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Annual Report of the University, 1965-1966

University of New Mexico

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CONTENTS

<u>The President</u>	1
<u>The Instructional Divisions</u>	
The College of Arts and Sciences	25
The College of Business Administration	248
The College of Education	271
The College of Engineering	343
The College of Fine Arts	480
The General Honors Program	552
The Graduate School	563
The School of Law	607
The School of Medicine	615
The College of Nursing	659
The College of Pharmacy	667
The University College and Counseling Center	675
The Division of Extension, Summer Session, and Community Service	676
The Holloman Graduate Center	749
The Los Alamos Graduate Center	754
The Reserve Officers' Training Corps (Air Force)	759
The Reserve Officers' Training Corps (Navy)	765
<u>The Research and Publications Divisions</u>	
The Bureau of Business Research	775
The Office of Research and Fellowship Services	784
The Civil Engineering Research Facility	802
The Division of Government Research	807
The New Mexico Historical Review	809
The Southwestern Journal of Anthropology	812
The University of New Mexico Press, Publications Series and New Mexico Quarterly	816
<u>The Division of Student Affairs</u>	
The Student Affairs Office	826
The Office of Admissions and Records	836
The New Mexico Union	892
The Placement Center	916
The Student Health Service	940
The Offices of the Deans of Men and Women	952
The Student Aids Division	963
The Office of International Services	985
<u>The General Divisions</u>	
Channel 5 - KNME-TV	1007
The Data Processing Center	1014
The Department of Development	1030
The Department of Intercollegiate Athletics	1055
The University Architect	1060
The University Libraries	1074
The Peace Corps Training Center	1111
<u>The Business Divisions</u>	
The Office of the Comptroller	1119
The Department of Housing	1181
The Physical Plant Department	1211
The Printing Plant	1220
The Department of Campus Security and Police	1225
The University Golf Course	1227

THE PRESIDENT'S REPORT: 1966

The annual report of the University of New Mexico for the year 1966 is devoted principally to the discussion of a problem which we believe deserves the attention of everyone with more than average concern for the affairs of our state.

This problem is caused by the rapid Space Age evolution of the national economy—an evolution which has produced an extraordinary new demand for education at the graduate level and simultaneously has made the centers of such advanced education both magnets for, and producers of, our new technical and scientific industries. It also has brought exciting changes in the development of the social sciences and the humanities.

Two years ago, the New Mexico Commission on Statewide Higher Education Problems, in a comprehensive study made for the Board of Educational Finance, assigned to the University of New Mexico a major role in meeting this new demand. It is now apparent that the future course of the economy of our state inevitably depends largely upon how well this responsibility is met. Therefore, it seems fitting in this report to discuss in some detail the complexities of the graduate education situation which confronts us, our efforts to serve New Mexico in this field, and our successes and shortcomings.

Whole Number 555, Catalog Series, Volume 80, Number 6, January, 1967

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CURRENT TRENDS

When officials of the Martin-Marietta Company began exploring the possibilities of locating a major manufacturing plant in New Mexico last summer, one of their first inquiries concerned the Graduate School of the University of New Mexico.

The company had a double interest. It was concerned with the availability of facilities for the continuing education of its scientists and engineers. And it was interested in the area's resources for basic and applied research.

This interest surprised no one familiar with current economic development trends. It was typical. And it can be explained by a quick glance at a classic theory of supply and demand which economists call "Say's Law," and by the manner in which this law has operated in recent years.

Jean Baptiste Say, a French economist of the 18th Century, theorized that—contrary to popular belief—supply was not restricted by demand, but would create its own demand. History has generally proved Say's wisdom, and the interworkings between the American education system and our national economy have provided the most dramatic proof.

A half-century ago, when it became public policy to provide a full 12 years of free public school education, there was much concern. Some authorities argued that American industry had no demand for a better-educated working force. But they were wrong. The great new supply of skilled labor created its own demand. The nation's industry was revolutionized by these new skills, the gross national product soared, and the United States enjoyed a parallel increase in living standards.

The pattern repeated itself after World War II when Public Law 16

and the so-called "GI Bill" suddenly doubled the percentage of our youth attending college. Again there were those who noted that the economy had no need for the flood of college-trained labor. And again the increased supply created its own demand. The 1950's brought the emergence of an entirely new complex of industries which would not have been possible without the increased supply of college graduates which followed World War II.

We are now seeing Say's Law operate again. Unfortunately for the economy of New Mexico, we have been watching it from a distance.

During the past 15 years, the number of persons receiving doctoral degrees in the United States has undergone a dramatic increase. Education at this level is designed to produce men and women who have not only mastered the knowledge in their special fields, but who also are capable of expanding that knowledge through their own research. In the 1940's, some 25,800 doctorates were granted throughout the United States. But in the 1950's almost 67,000 such scientists and scholars were produced in 25 major centers of graduate education alone, situated largely along the Northern Atlantic seaboard and in California.

The results of this concentration of supply contain a lesson for New Mexico.

In Northern California, around the graduate study and research centers at Berkeley and Stanford, a multi-billion dollar electronics industry has developed. In Southern California, the famous graduate education centers of California Institute of Technology, U.C.L.A., and the University of Southern California became the hub and nerve center for the new aerospace industries. And in the Boston area, adjoining the graduate centers at Massachusetts Institute of Technology, Tufts, and Harvard, there arose a billion dollar array of research and development industries. The schools in these three relatively small areas produced about a third of the entire national supply of research scientists.

The economic impact of this concentration of supply has been multiplied because research capabilities tend to create industries as well as attract them.

A drive down Massachusetts Route 128 outside Boston is enough to

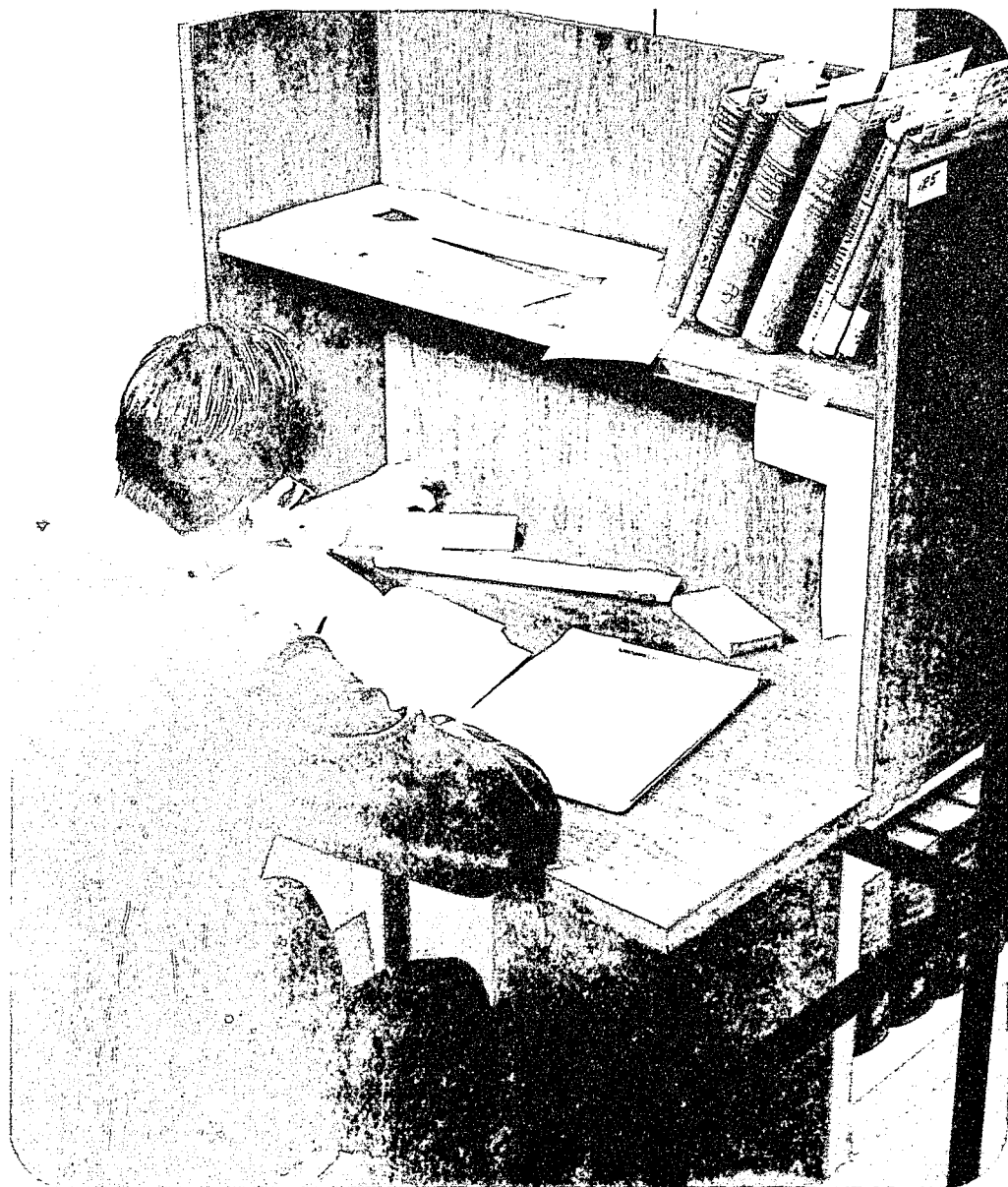
thrust home this point. The highway, sometimes called "Idea Road," is lined with research and development plants. More than 90 of these companies — including such giants as Raytheon and Transitron — were started by faculty or alumni of Massachusetts Institute of Technology. The faculty of the M.I.T. Lincoln Laboratory alone has produced ideas which have resulted in more than \$1,000,000,000 of production contracts for American industry.

There is a wealth of similar examples. Aero-Jet General Corporation, today a major factor in the aerospace industry, came into being to develop ideas of Cal Tech faculty members. Polaroid, a billion dollar concern, is the product of the developments of a single research scientist. Xerox, another billion dollar corporation, was built on research which developed the electro-static copying system. Minnesota Mining and Manufacturing Corporation emerged as an important industrial complex because research scientists working on plastics to record sound developed the substance we call "Scotch Tape."

Conduction, Inc., one of the new giants of the electrical industry, was founded purely to produce products developed in University of Michigan laboratories. Everything it makes is a product of faculty research. Clevite Corporation, another of the "glamour" companies on the New York Stock Exchange, is the child of semi-conductor research by a physics professor. ITEK Corporation relies so heavily on university research that it has nine professors on its top management team.

Hewlett-Packard, one of the nation's important producers of oscillator equipment, bears the name of two graduate students who developed the principles used in its products while doing graduate research. They founded the company.

This recitation could go on almost indefinitely. Research of the graduate faculty at Stanford alone has added at least 20 new industries in the Palo Alto area. The point is clear enough. University centers of graduate education and research have emerged as a major factor in economic development. Once American industry was attracted by, and tied to, supplies of raw material, water, cheap power and railroads. Today, the major attraction is brainpower.



WHERE NEW MEXICO STANDS

The foregoing facts make it evident that the quality of graduate education has become a key factor in the growth of research and development industries in an area. They also raise obvious questions.

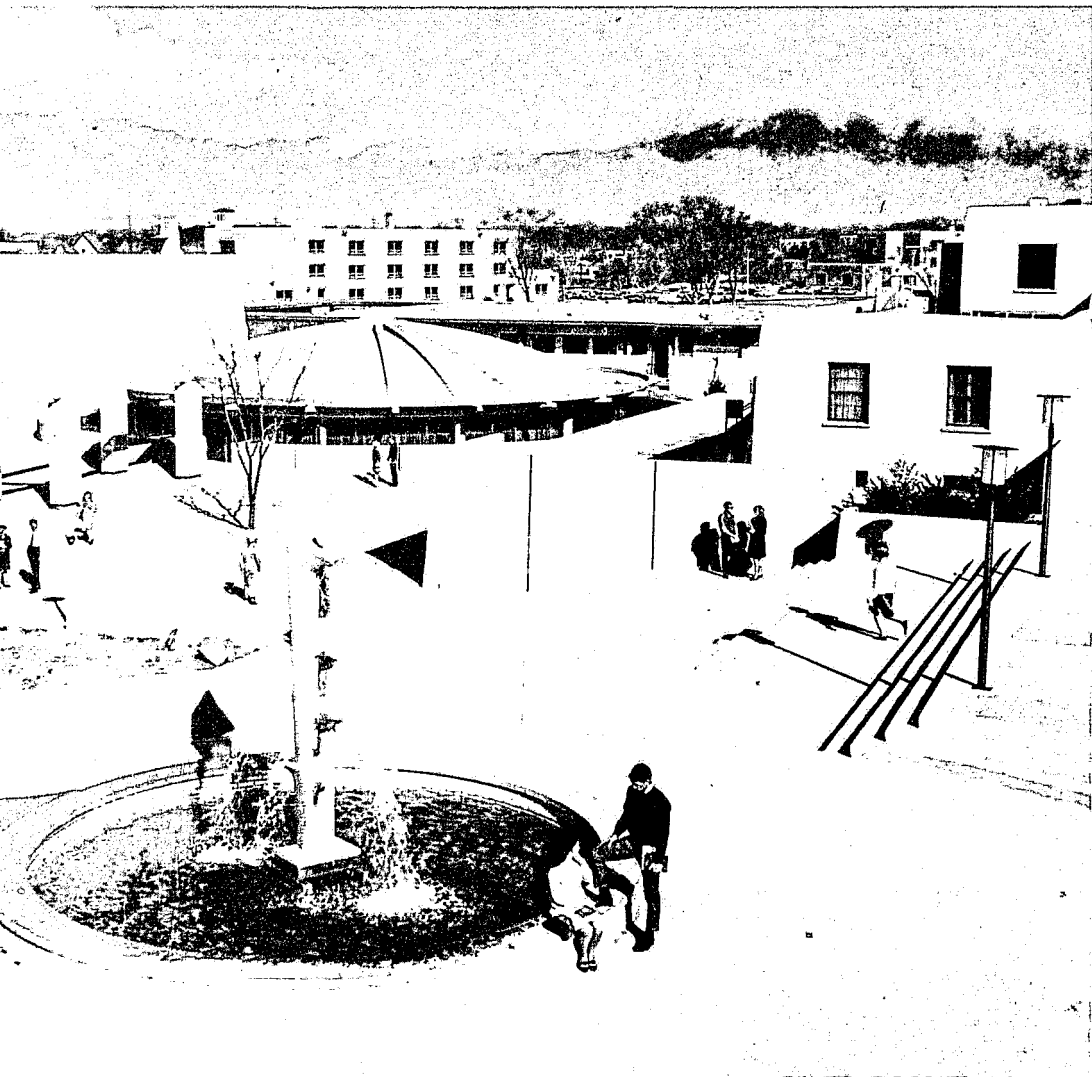
How is New Mexico faring in this increasingly important field? How well is the University of New Mexico meeting the responsibilities placed upon it by the New Mexico Commission on Statewide Higher Education Problems? The answers can be given briefly. We are faring badly, but we are making some progress.

The facts clearly indicate that at a time when brainpower is a key economic resource, New Mexico is exporting its most promising future scientists and scholars. Perhaps the best index to this loss can be made among winners of national fellowships. The most recent survey reveals that only two areas of the United States are gaining these award-winning students; they do so at the expense of all other parts of the nation.

The small Northern Atlantic seaboard area, where distinguished centers of graduate education have stimulated tremendous economic growth, is enrolling 55 per cent more fellowship holders than are native to that area. And the West Coast, where California centers of graduate studies and research have become hubs of our new industries, is enrolling 53 per cent more of these high-ranking students than it produces. The Rocky Mountain states, on the other hand, are enrolling 25 per cent fewer fellowship winners than our high schools graduate.

New Mexico can stop this drain and reverse this trend only by developing a center of graduate studies competitive with the best in the nation. The University has made some steps in this direction but much remains to be done.

Campus scene, Mesa Vista Hall - College of Education area



THE CARTTER REPORT

Last June, the American Council on Education published the "Cartter Report," the results of a two-year comparative study of all the major graduate schools in the United States. In all, 106 American universities were covered in this study, and, for the first time, the University of New Mexico was included in this select group. While the report gave the University no cause for complacency, it did indicate that efforts of the past decade are bearing fruit and that progress is being made.

In this comparative study, which made use of more than 4,000 faculty members of institutions across the nation, the University's doctoral programs in electrical engineering, anthropology, and Spanish were rated "good." Doctoral programs in English and history were rated slightly above the adequate level, and our facilities for granting the doctorate in psychology and in the several physical sciences were scored as slightly less than adequate, but well above the marginal category.

Since the information used in this survey was collected in 1964, and since much of the data used was based on situations as they existed at least a year earlier, our new doctoral programs in civil, chemical and mechanical engineering could not be rated. Nor could the ratings reflect recent improvements throughout the Graduate School.

However, we cannot—and certainly should not—ignore the fact that ratings from adequate to good are simply not good enough. The top ten graduate centers—those receiving generally "excellent" ratings, attract more national fellowship winners than the next 40 universities combined. If New Mexico is to compete successfully for these brilliant students and provide the research potential needed to spur development of Space Age industry, it can be satisfied with nothing short of excellence.

8

In addition to rating reputation of doctoral programs and graduate faculties, the Cartter Report assessed in considerable detail the factors on which excellent programs have been built. An analysis of this study suggested several points worthy of consideration.

1. While some small universities were able to attain excellent ratings in graduate study, they did so only at extremely high cost per student. Generally, costs per student diminished markedly in scale at the graduate level when enrollment reached the 20,000 student-unit level (in this scale, full-time undergraduate students were counted as one; full-time graduate students, as three units).
2. With very few exceptions there was a correlation between the quality and the breadth of the graduate programs offered. Because of inter-departmental relationships, it generally did not prove possible for a university to excel in one area of studies if it were weak in others.
3. The strength of the university's library is the non-human factor most closely related to quality in graduate programs.
4. Extremely close relationships were found between quality programs and high salary scales for faculty. The average faculty compensation of the institutions which rated highest in the survey was \$14,700 annually in 1964, compared to \$9,500 for those rated lowest. There was an even more dramatic correlation between the salary scales paid to senior professors and associate professors and the quality of graduate programs. At universities with the best graduate programs, salaries at these levels were far higher than at those schools with less distinguished reputations, even though pay scales at instructor and assistant professor levels might be little different.

When these factors are considered in relation to the University of New Mexico, they provide reason for encouragement in some areas and a clear indication of what needs to be done.

1. The University of New Mexico, owing to its recent rapid growth in enrollment, is moving steadily up the scale toward the indicated size zone of more efficient operation in graduate education. Under the Cartter system of weighing graduate students as three units, current enrollment at UNM is approximately 15,000 units. By 1970, the unit count will exceed 20,000 at present growth rates. Thus, the University is entering the size range for most efficient operation of advanced study programs.
2. The present University graduate program is necessarily broad-based due to breadth of demand. Graduate work toward the master's degree is offered in 38 fields and doctoral programs in 17.
3. As the result of more than a decade of intensive efforts, the University libraries are in a position to support a graduate center of high quality. In the Cartter survey, an index point of .50 was established for libraries

adequate for a general range of graduate programs. Grading was done on the basis of total holdings, volumes added annually, and the index of current periodicals. University of New Mexico libraries fell in the 1.00 to 1.49 category—far above the adequate level and among the top 40 nationally. Only 19 universities were placed in two higher categories, and 66 were rated in three lower ones.

Since this survey was made, the University has completed a \$1,848,774 expansion and remodeling of Zimmerman Library, virtually doubling its capacity and modernizing its plant. Our new Medical Library, computerized and automated, has also been completed since the survey.

Thus, New Mexico already has met one of the criteria for a graduate center of excellence.

4. While the University of New Mexico is in a promising position in terms of increasing enrollments, breadth of graduate programs, and library facilities, it is notably weak in the remaining category—faculty salaries. When the survey was made, UNM faculty pay scales were substantially below the average for the 106 universities in the survey (these included major private and public institutions in all parts of the nation). With an average figure of less than \$10,000, the University was approximately \$5,000 below the level of universities with graduate programs enjoying excellent ratings. At the senior ranks of professor and associate professor, the discrepancy is even greater than these average figures would indicate.

The Cartter Survey demonstrated that the category of faculty salaries had the most direct bearing on quality. A few universities have managed to attain excellence in graduate studies without a broad range of programs, with comparatively inadequate libraries, or without the size which lends economic efficiency. But none attained excellence without relatively high pay scales to attract and hold brilliant scientists and teachers.

The reason for the poor competitive situation of the University of New Mexico in this area is easily pinpointed. The average financial support of the 106 universities included in the Cartter Report was \$1,460 per student unit. This was approximately double the level of support of the University of New Mexico under the same weighted formula. A gap of this size cannot be closed by corner-cutting economies. Additional public financial support is essential if the University is to build the faculty vital to excellence in graduate education.

The State Board of Educational Finance and the State Legislature must understand that a superior graduate program cannot be built on a financial foundation that suffices for undergraduate courses. The cost of instruction for a doctoral candidate is several times greater than the cost of teaching a freshman.

Other states in our region have recognized the need for both quality graduate education and the special financing required to achieve it. In Kansas, Texas, Colorado, and Oklahoma, for example, it has been decided that certain of the state universities are to be the major centers of

graduate education. Budgetary allowances are made to permit these schools to do the job assigned to them.

New Mexico must do the same if we are to build a top-quality graduate center, one which will also enhance the building of the state's industrial base. New concepts must be pioneered in financing higher education, just as the colleges and universities themselves must always seek ways to meet the new demands of an ever-changing society.

We cannot abandon our responsibilities at the graduate level any more than we can shrug off our other instructional responsibilities. Right now, approximately 20 per cent of the University's enrollment is comprised of graduate students. Future enrollment projections by the Board of Educational Finance indicate continued rapid gains at the post-bachelor's level. Throughout the country, business, industry, and education demand advanced degrees. Graduate schools are swamped with applications.

Recently, Harvard's Graduate School of Arts and Sciences advanced its application date by two months because of burgeoning numbers of applicants. The Harvard School anticipates 6,000 applications for the approximately 900 places it will have available next fall. Other major centers face the same situation.

We in New Mexico cannot ignore reality. We must attune our system of higher education to the times we live in.

Heart of the UNM Computing Center, the IBM 360/40 system



CONTINUING DEVELOPMENT

While excellence in graduate education is a major objective, the University's continuing effort to advance the quality of its educational programs is not limited to the graduate field but, rather, extends across the campus at all levels.

Four important areas of University activity—instruction, research, faculty recruitment, and long-range planning—will receive the benefit of expert analysis and advice as the result of a \$50,000 Danforth Foundation grant. The funds are to be used to bring distinguished scholars and other experts to the campus as visiting committees to consult with and advise the president on matters pertaining to the four areas, over a period of three years. All academic departments have been invited to participate. The distinguished visitors will spend several days on campus, meeting with both students and faculty and inspecting facilities, as well as conferring with the president and other administrative officials. The first committee is scheduled to arrive at the University during the spring, 1967, semester.



Practical considerations dictate that most of the new faculty added to meet expanding needs each year be at the junior level in rank. But a truly eminent university must also continually bulwark its faculty with experienced and highly regarded men and women, those who can give breadth and depth to graduate and undergraduate programs and who, in their research, work at the frontiers of knowledge. Plans have been formalized in several departments to permit the addition of faculty in this distinguished category next year, continuing the University's policy



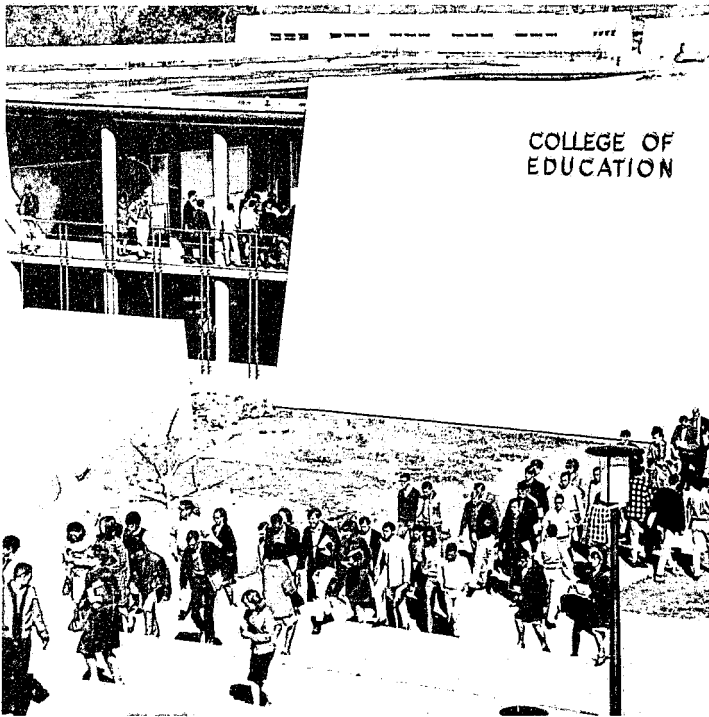
Modern Languages class session

of strengthening its academic program whenever and wherever possible. It should be noted here that competition for outstanding senior faculty is nationwide and it is intense, pointing up the strong correlation between high faculty salaries and instructional excellence.

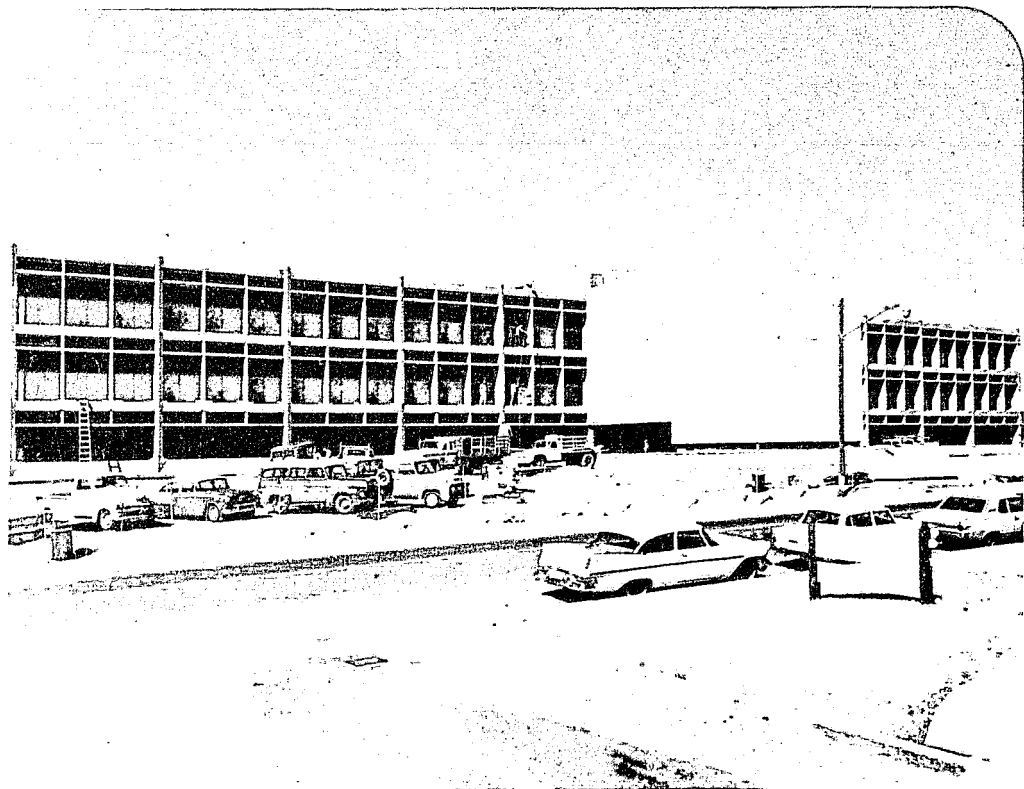
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Total enrollment of the University of New Mexico continued its upward trend during the year, increasing from 12,186 in the fall of 1965 to 12,986. This gain of 800 students represented a 6.5 per cent growth—considerably less than in the past several years. The slow-down reflected a sharp increase in tuition charges for out-of-state students, with a resulting decrease in enrollment of freshmen from other states, and a generally smaller 1966 high school graduating class.

Enrollment in the Graduate School gained 8 per cent to a total of 2,317—a figure 181 per cent higher than graduate enrollment just ten years ago.



Between class periods



School of Medicine Basic Sciences Building, due for completion late in 1967

SCHOOL OF MEDICINE

The School of Medicine, now entering its fourth year of operation, has had an impact on New Mexico that carries far beyond the campus.

This year the first step was taken in a program which has vast implications for the betterment of health care throughout the state. The School of Medicine was designated the administrative agency for a \$1.6-million planning grant to develop a regional program for heart disease, cancer, stroke and related diseases for New Mexico. Dean Reginald H. Fitz, who is directing the planning, believes that the program will extend to and help develop health resources on a much broader basis than the title indicates.

Education and communication will be stressed in the far-reaching program, and new communications networks are being designed for rapid transmission of data to all communities in the state. Special emphasis will be given to early and accurate identification of the killer diseases and to prompt treatment.

The three-year planning grant awarded by the U.S. Public Health Service to New Mexico for the regional program was one of the largest yet announced. Certainly, it was the largest made to any state on a per capita basis. This is due principally to the splendid cooperation the School of Medicine has enjoyed from other organizations—and from individuals—vitaly concerned with health care in the state. There is reason to believe that had the School not been involved in the application, the planning grant would have been substantially smaller and more narrowly defined.

Important as it is, the regional program is but one of many areas in which the School of Medicine is working for the betterment of New

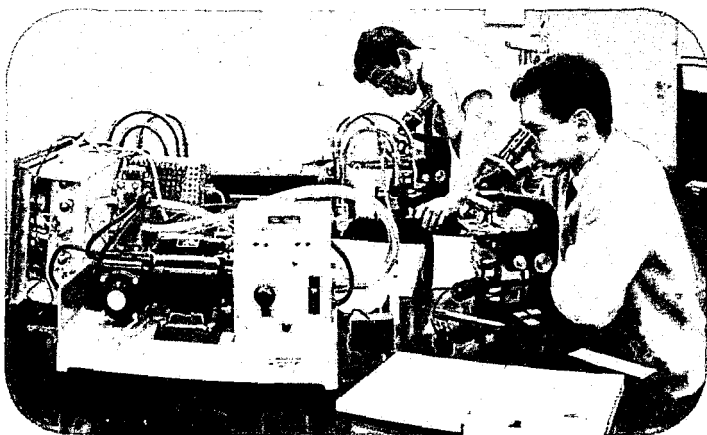
Mexico's citizens. The School is deeply involved with the State Hospital at Las Vegas. Members of the faculty visit the hospital regularly and consult frequently with hospital administrators. Other faculty members are working with patients at the Los Lunas Training Hospital. Several cooperative programs with the State Health Department already have become operative, or soon will. One, started during the past year, has UNM interns and residents staffing pre-natal clinics in Albuquerque's poverty areas.

The School is a partner with the Bernalillo County Mental Health and Retardation Association in a research and treatment program soon to be activated. The University has provided the Association with a tract of land adjacent to the School of Medicine for a Mental Health and Retardation Center due to be completed by 1968.

Curriculum planning is now under way for the fourth year of instruction. Students who entered the School of Medicine in 1964 will be starting their final year of predoctoral medical training at UNM next fall. Entering class sizes will be expanded to 36 in 1968 and 48 in 1969.

With the addition of the fourth year, the University will be offering both M.D. and Ph.D. degree programs through the School of Medicine. As in past years, the School will continue to direct residency and intern programs at Bernalillo County-Indian Hospital and the Albuquerque Veterans Administration Hospital.

As the School continues its development it will become even more intricately interwoven into the fabric of New Mexico's health resources, because only a medical school can fill certain unique needs in comprehensive health programs.



Medical students in a laboratory session

PUBLIC SERVICE

Universities may at one time have been "ivory towers" of knowledge dedicated to theory and "pure" research. But that is not the case today if, indeed, it ever was.

Increasingly, society tends to look upon the university as a reservoir of talent, a resource which may be used to help solve problems affecting broad segments of the population. This is as it should be. A state university, especially, owes this type of service to its constituency.

The University of New Mexico has an impressive array of talent and experience which can and is being put to use in service to the state, region, and nation as a corollary to the primary responsibility of the University; that is, educating young men and women.

One facet of this dimension of service is research on specific projects. At the University of New Mexico this year the federal government and private agencies allotted approximately \$5,500,000 for research in disciplines ranging from medicine to economics.

The total spent on outside-funded research during the year was up 18 per cent from the previous year. Nineteen departments were recipients of research grants or contracts. However, the University's participation in the mainstream of 20th-century civilization is by no means limited to research.

The Bureau of Business Research, for years heavily committed to the business and industrial sectors of New Mexico, further broadened its service base with the establishment of a New Mexico data bank—a substantial collection of information about the economic and social characteristics of New Mexico. This service is available to all in the state.

The College of Business Administration has embarked on an ambitious

program in liaison with the New Mexico business community. Members of the faculty are regularly lecturing at meetings of businessmen. Senior faculty members are also conducting seminars and conferences for management personnel from across the state. In addition, special programs designed to meet specific needs of New Mexico industries are being worked out by the College and industry representatives.

Another important service to the legal profession in New Mexico is being initiated by the School of Law. Dean Thomas Christopher and members of the faculty have proposed, and the Regents have approved, an Institute of Legal Research for in-depth studies of legal problems. The Institute will begin its work with the start of the next academic year.

The examples mentioned here are few among many. The scope of the University of New Mexico's role as a problem-solving resource goes farther than local, state, and regional boundaries, and transcends the interests of special groups who have close ties with such disciplines as law, medicine, engineering and others.

Because the University is a teaching institution, its talent and experience are being brought to bear on the great problems of poverty and ignorance that face our society. UNM this year was asked to provide training for Volunteers In Service To America (VISTA). The College of Education entered into a unique three-and-a-half year contract with the Agency for International Development and the Ecuador Ministry of Education to help improve elementary teacher-training programs in Ecuador and to aid in establishing an elementary school textbook production system.

These endeavors, as well as the day-in and day-out teaching and research on campus, are consistent with the American ideal of education as man's key to self-improvement.



Inside the new wing of Zimmerman Library

STUDENT DIMENSION

Essential ingredients for excellence in a university are a faculty of high quality, suitable physical facilities, and an intelligent, perceptive, inquiring student body. Without the latter dimension, the first two are wasted. The students at the University of New Mexico, it is gratifying to report, do measure up to the criteria.

The caliber of student we are enrolling is a tribute to the work of New Mexico high schools. Today's incoming freshman is much better prepared than was his counterpart of a decade or so ago.

At the other end of the scale, our new graduates, judging by their performance on a battery of national examinations, are notably better educated than the average college senior. Results of the Graduate Record Examination, taken by seniors at colleges and universities across the nation, showed that the 1,109 seniors in UNM's class of '66 scored substantially above the national average in the natural sciences, at the average in the social sciences, and somewhat above average in the humanities.

The Graduate Record Examination is the most popular of the nationally standardized tests measuring knowledge of students and is used by the majority of the nation's graduate schools as an evaluation and counseling tool.

Test results at UNM seem to reflect what national employers may have sensed. For several years recruiters for industry have offered UNM graduates higher-than-average beginning salaries, especially in engineering. A number of major firms place a high priority on employee recruitment at UNM.

Yet another yardstick of student quality is acceptance by graduate schools. In recent years, more and more of our graduates have gone on to advanced study, either at UNM or at universities throughout the nation and in foreign countries.

Music students in the Fine Arts Center listening room



PHYSICAL PLANT

The past year brought considerable progress in development of physical facilities of the University. Several key projects were completed, work advanced on others, and overwhelming approval by the voters of the \$42.5-million Educational Bond Act at the November general election assured long-range funding for building projects.

Key projects completed during the year included:

ZIMMERMAN LIBRARY ADDITION—This \$1,848,774 project added more than 105,000 square feet to the central library and included remodeling and modernizing of the existing library. Completion of this project gives New Mexico one of the outstanding library facilities in the Southwest.

CONCERT HALL—This 2,080-seat facility, dedicated this autumn with a symphony concert, is already proving a major cultural asset for all New Mexico.

BASKETBALL ARENA—Completion of this 14,800-seat structure, with expansion capacity up to 20,000 seats, is an important step toward clearing the Central Campus for academic use and concentrating athletic facilities on the South Campus. It is one of the largest and most modern buildings of its type in the nation, and will satisfy University needs far into the future.

HOKONA HALL REMODELING—This project included modernizing and expanding kitchen and student dining facilities.

CAMPUS LOOP ROAD—Two major projects were finished on this route which will serve as the major traffic arterial for the Central Campus as development of the master plan eliminates vehicular streets in academic areas. A major parking lot was also completed adjoining the Research Center on the northeast corner of the campus.



A capacity crowd enjoys a Lobo game in the new 14,800-seat basketball arena

CORNELL MALL-UNION SQUARE LANDSCAPING—A major pedestrian traffic problem was solved with the completion of this mall between the New Mexico Union, Zimmerman Library, the College of Education, and Mesa Vista Hall. The mall, with planter boxes offering seating for hundreds, provides an attractive mid-campus gathering place.

GOLF COURSE BUILDING—Dedication of the clubhouse in December opened the University's new South Campus golf course, clearing the way for the eventual use of the old North Campus course for building projects.

At year end, work was continuing on two important projects. The Basic Sciences Building of the School of Medicine, a \$2,949,744 structure, was approximately two-thirds finished. Completion is scheduled next autumn. The Biology Research Building, a \$1,693,870 project which will provide 60,836 feet of floor space largely devoted to research and teaching laboratories, was approximately 20 per cent complete and will be in use next year.

Major construction projects soon to be started include a University College and Student Health Center Building, a \$1,436,286 structure on which working drawings are now being completed; a \$1,102,941 College of Business Administration and Bureau of Business Research Building, on which working drawings are in process; and a \$2,567,940 Engineering Center, for which contract specifications are being prepared.

Also being programmed are major additions to the Chemistry Building and the School of Law Building and an Olympic-sized outdoor swimming pool to replace the University's old outdoor pool which was condemned some years ago.

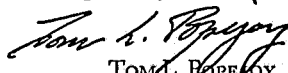
Construction is scheduled to start this year on the first phase of a \$3,000,000 dormitory complex. The first units, to house 300 students, will be completed for use sometime in mid-1968.

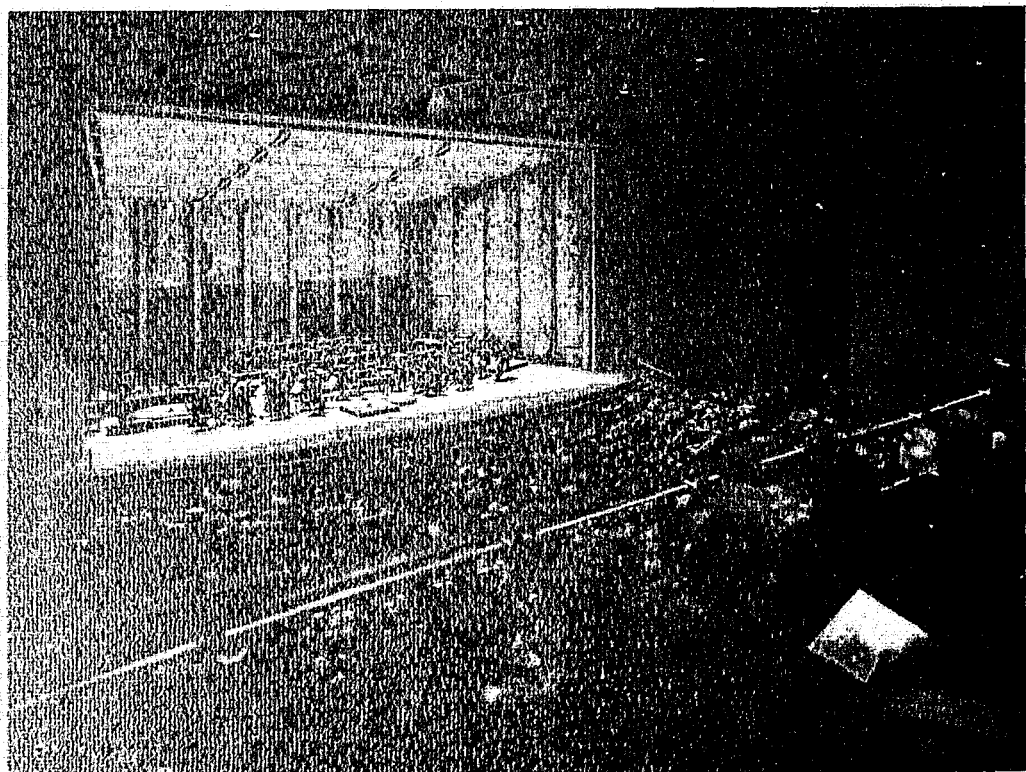
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It seems fitting that this report be concluded on a note of building—building to meet the needs and challenges of our society.

Bricks and mortar represent one important phase of the continuing job of building the University of New Mexico. Even more important is what we are able to do in fashioning academic programs of excellence, suited to the times and to our particular situation, which will enable our graduates to achieve their proper places of leadership and service and contribute to the progress of civilization. We can never consider this task completed.

Respectfully submitted,


TOM L. ROPEFEY
President



The new Concert Hall, acclaimed by critics as one of the nation's finest

THE REPORT OF THE COLLEGE OF ARTS AND SCIENCES

July 1, 1965 - June 30, 1966 -

Hoyt Trowbridge, Dean

Activities of the College during the 1965-66 academic year are summarized in this report under four headings: Students, Faculty, Work of the College in Teaching, and Work of the College in Research.

I. STUDENTS

The rapid growth in student enrollments which has characterized the last four years continued in 1965-66. In the spring semester, the increase over the same term in the preceding year was 21.4%--the largest we have ever experienced in a single year. For both semesters combined, the increase in number of degree candidates enrolled in Arts and Sciences was 557. Enrollments have more than doubled over the last five years.

ENROLLMENTS IN THE COLLEGE OF ARTS AND SCIENCES, 1960-66

YEAR	Sem. I	% Inc. over Prev. Year	Sem. II	% Inc. over Prev. Year
1960-61	810	7.0	813	7.3
1961-62	920	13.6	963	18.5
1962-63	1,059	15.1	1,136	18.0
1963-64	1,270	19.9	1,296	14.1
1964-65	1,438	13.2	1,532	18.2
1965-66	1,667	15.9	1,860	21.4

Average
Annual
Increase
Over
Previous
Year

Year	171	15.6%	211	16.2%
5-Year				
Total Inc.	857	105.8%	1,047	128.7%

- 2 -

The number of degrees awarded by the College at the baccalaureate and advanced levels has also increased markedly, though as usual with more accidental fluctuations from year to year than enrollment figures exhibit.

DEGREES AWARDED, 1961-66 (A&S only)

YEAR	BACHELOR'S DEGREES			ADVANCED DEGREES					
	No. of Degrees	% Inc. Over Prev. Year	Master's (a)		Doctor's		Total		
			No.	% Inc.	No.	% Inc.	No.	% Inc.	
1961	214	12.6%	72	20.8%	17	142.9%	89	39.1%	
1962	223	4.2	74	2.8	21	23.5	95	6.8	
1963	230	3.1	58	-22.2	18	-16.7	76	-25.0	
1964	301	30.9	76	31.0	14	-28.6	90	18.4	
1965	351	16.3	89	17.1	29	107.1	118	31.1	
1966	396	12.3	112	25.8	20	-31.0	131	11.0	
Average Annual Inc.	36	11.1%	8	10.8%	0.6	10.8%	8	8.5%	
5-Year Inc.	182	85.0%	40	55.5%	3	17.6%	42	47.1%	

- (a) These figures do not include 16 Master of Arts in Teaching and 30 Master of Education in Science degrees awarded to students in Institutes for teachers of Spanish, science, and mathematics. If these degrees are added, the totals for master's degrees in the last five years are 92, 110, 109, 142, and 156 respectively.

DEGREES AWARDED, 1961-66 (Whole University)

COLLEGE	BACHELOR'S DEGREES			ADVANCED DEGREES		
	1961	1966	% Inc.	1961	1966	% Inc.
Arts & Sciences	214	396	85.0%	89	131	47.1%
Other Colleges	416	582	39.9	116	314	170.6
UNM	630	978	55.2%	205	445	117.0%

Turning to measures of student quality, there were a number of students, as usual, who failed to meet College and University standards of scholarship. Approximately one-eighth of all students enrolled in the College, 12.5 per cent, were placed or continued on probation at the end of Semester I.

COMPARATIVE PROBATION AND SUSPENSION FIGURES

SEMESTER I	1963-64		1964-65		1965-66	
	No.	%	No.	%	No.	%
Probation	105	8.3	183	12.7	207	12.5
Suspension	17	1.3	25	1.7	37	2.2
Released from Probation	29	2.3	20	1.4	32	1.3
SEMESTER II						
Probation	112	8.6	169	11.0	199	10.7
Suspension	23	1.8	38	2.5	32	1.2
Released from Probation	25	1.9	29	1.9	28	1.5

The overall academic performance of A&S undergraduates, as measured by grades in courses, was slightly above that for last year. The grade-point average for all students in Semester I was 2.63, as compared with 2.60 in 1964-65. As always, the highest average was earned by senior women: 2.72 in the fall semester.

At the top of the scale of scholastic achievement, well over one-sixth of all students in the College were on the dean's list in both semesters during 1965-66. In the spring semester, 28 of them earned straight-A grades

STUDENTS ON DEAN'S LIST

Grade Average	1964-1965				1965-1966			
	Semester I No.	%	Semester II No.	%	Semester I No.	%	Semester II No.	%
4.00	18	1.3	20	1.3	17	1.0	28	1.5
3.50-3.99	63	4.4	97	6.3	93	5.6	82	4.4
3.00-3.49	152	10.6	200	13.1	195	11.6	222	11.9
TOTALS	233	16.3	317	20.7	305	18.3	332	17.8

Another measure of student quality is performance on the advanced tests of the Graduate Record Examination in their own major fields, as compared with scores earned by a national reference group. The statistics should be interpreted conservatively, since in several fields the number of students taking the test was small (only five in philosophy, for example), but the mean scores of UNM students were above those of the reference group in all but one field, literature (English and foreign).

RESULTS OF ADVANCED TESTS, GRE
(1965-66 Graduating Seniors)

DEPARTMENT	MEAN SCORES	
	National	UNM
Biology	495	586
Chemistry	530	568
Economics	494	576
Geology	488	544
Government	496	539
History	506	508
Literature	548	533
Mathematics	542	556
Philosophy	549	638
Physics	546	618
Psychology	512	531
Sociology	474	554
Spanish	520	540
Speech	474	477

Academic excellence among A&S students was recognized most significantly by the following awards to members of the 1966 graduating class:

FINAL UNDERGRADUATE HONORS (A&S only)

Election to Phi Beta Kappa	29(a)
Election to Phi Kappa Phi	30(b)
Graduation with Distinction	30
Departmental Honors	4(c)
Honors in General Studies	13

- (a) Two A&S students were also elected to Phi Beta Kappa as Juniors: Michael A. Wartell (chemistry) and Martha White (Spanish).
- (b) Three students, including Mr. Wartell and Miss White, were elected to Phi Kappa Phi as juniors. The third was Nelda Jo Crumley (psychology).
- (c) Two of the four majored in psychology, the others in English and history.

II. FACULTY

ADMINISTRATIVE CHANGES

Several new administrative appointments in divisions of the College were made in the course of the year. RICHARD E. MURPHY, who joined the faculty as professor of geography in September, 1965, became chairman of the department at the end of the fall semester. Direction of the division of Inter-American Affairs will be taken over by MARTIN C. NEEDLER in September, 1966, and JOSEPH FRANK will assume the chairmanship of the department of English in January, 1967.

Professor Murphy earned his B.A. at St. Laurence University, his M.A. at George Washington University, and his Ph.D. at Clark in 1957. He has taught at George Washington, Wyoming, and Hawaii; during the 1964-65 academic year he held an NSF faculty fellowship at the Institute of Geography, University of Paris. He has devised a new, more systematic classification of landforms which has been widely accepted among geographers.

Professor Needler, a native of Manchester, England, received both his baccalaureate and doctoral degrees at Harvard. He taught at Dartmouth and Michigan from 1959-1965 and was a research associate in the Harvard Center for International Affairs, 1965-66. He comes to UNM as associate professor of government as well as director of the Division. His publications include Latin American Politics in Perspective (1963, Political Systems of Latin America (1964), and Understanding Foreign Policy (1966).

Professor Frank, who also received both his undergraduate and advanced degrees at Harvard, comes to New Mexico from a professorship at the University of Rochester. A specialist in English literature of the seventeenth century, Mr. Frank has published The Levellers (1955) and The Beginnings of the English Newspaper (1961). At present he is completing a study of English poetry in the mid-seventeenth century, to be published by the Harvard Press. He has also written a number of scholarly and critical essays on Milton, G. B. Shaw, and others.

PROMOTIONS IN RANK

Associate Professor to Professor

JOHN G. BREILAND (Physics and Astronomy). Professor Breiland has been a member of the UNM faculty since 1942 and received his Ph. D. from UCLA in 1956. He was acting chairman of the department of physics in 1957-58 and 1961-62. A specialist in atmospheric physics, Professor Breiland has worked on the problem of the relationship between the distribution of the ozone content of

the atmosphere and meteorological phenomena. He presented his research to the International Union of Geophysics at Berkeley in 1963 and to the International Atmospheric Ozone Symposium at Albuquerque in 1965. Among his recent publications is "A Case Study of the Vertical Distribution of Atmospheric Ozone," in the Journal of Applied Meteorology, June, 1965.

EDWIN C. HOYT (Government). A specialist on international law and U.S. foreign policy, Professor Hoyt joined the UNM faculty in 1960 as chairman of the department of government. He received a law degree from Harvard in 1942 and his doctorate from Columbia in 1958. Before coming to UNM Professor Hoyt served as Assistant District Attorney in New York County, N.Y., and was engaged for several years in the private practice of law. Later he taught at Colgate and did research at Michigan. His major publications include The Unanimity Rule in the Revision of Treaties--A Re-Examination (1959) and National Policy and International Law (1966). In 1965 Professor Hoyt was commissioned by Columbia University to write a biography of John Bassett Moore, a project on which he will work during 1966-67 while on sabbatical leave.

Assistant Professor to Associate Professor

PHILIP K. BOCK (Anthropology). Professor Bock was appointed to the UNM faculty after graduate study at Chicago (A.M.) and Harvard (Ph. D.). He has participated in the University Honors program and contributed to the recent revision of the anthropology curriculum. His articles have appeared in the Journal of

Marriage and the Family, the Southwestern Journal of Anthropology, and Human Organization. A text, Modern Cultural Anthropology, is currently being prepared for Alfred Knopf. Apart from his professional work as an anthropologist, Professor Bock has composed several songs and instrumental works and written a story for children.

ROY D. CATON, Jr. (Chemistry). A native of Fresno, California, Professor Caton came to UNM after the completion of his Ph. D. at Oregon State University in 1962. An analytical chemist, he has presented papers in his specialty to the American Chemical Society (1963) and the New Mexico Academy of Science (1964 and 1965). Professor Caton has also received a major research grant from Sandia Corporation.

JULIAN E. WHITE, Jr. (Modern Languages). Professor White came to the UNM faculty in 1965 from Mary Baldwin College. He did his undergraduate work at Randolph-Macon College and received his M.A. and Ph. D. from the University of North Carolina. In 1955-56 he studied Romance Languages at the University of Paris. Professor White's publications include "The Conflict of Generations in the Débat Patriotique," French Review, 1965, and "Racine's Phèdre: A 'Sophoclean' and Senecan Tragedy," Revue de littérature comparée, October-December, 1965.

From Instructor to Assistant Professor

CLAUDE MARIE BOOK (Modern Languages). Professor Book has been a member of the UNM faculty since 1960. A native of Paris, she received her M.A. from the University of Texas in 1956 and is completing her Ph. D. at the University of Paris. She is

active in the Albuquerque chapter of the Alliance Francaise and directs the Café Causette, a French conversation group that meets weekly. Her publications have appeared in leading French journals.

LAURA MERLE CALVERT (Modern Languages). Professor Calvert, who received her Ph. D. from Ohio State this year, has been a member of the faculty since 1961. In 1963-64 she served as co-ordinator of the Peace Corps language program. Her published works include "The Role of Written Exercises in an Audio-Lingual Program," Hispania, 1965.

SEPARATIONS FROM THE FACULTY

Eight faculty members of professorial rank resigned during the year to accept positions elsewhere.

MORRIS FREEDMAN, professor of English, accepted an appointment at the University of Maryland.

RONALD GIBBS, assistant professor of geology, is moving to UCLA after one year at UNM.

GERALD GRAFF, assistant professor of English, resigned to accept a position at Northwestern.

MELVIN JANOWITZ, assistant professor of mathematics, is returning to Wayne State University.

A. G. DAVIS PHILIP, assistant professor of astronomy, is moving to the State University of New York, Albany.

JAMES A SNEDDEN, assistant professor of philosophy, will be at Parsons College next year.

YI-FU TUAN, associate professor of geography, resigned at the end of Semester I to accept an appointment at the University of Toronto.

BERNARD UDIS, associate professor of economics, will be at the University of Colorado next year.

-11 -

Six others completed visiting appointments at the end of the 1965-66 academic year, including four in the department of history: Richard Frost, Norman Marin (also acting director of the Division of Inter-American Affairs), Richard Schmutz, and Michael Thurman. The other two visitors were Peter Ranis, who taught part-time in government and part-time in the Peace Corps Training Center, and Burton Wendroff, visiting associate professor of mathematics. Terminal appointments were also completed by five temporary instructors: Conrad Aub (geography), Patrick Carr (mathematics), Robert L. Heath (speech), Marion Moore (mathematics), and Ingrid Parker (modern languages).

ADDITIONS TO THE FACULTY

All departments of the College were busy recruiting in 1965-66 and a total of fifty new faculty members above the rank of instructor were appointed during the course of the year, effective in September, 1966. Three were appointed at the rank of professor, nine as associate professors, thirty-five as assistant professors, and three as lecturers. Two visiting professors, Harold W. Blodgett (English, Union College) and Shafer Williams (history, University of Massachusetts), will also be on campus during 1966-67.

The following new faculty members were appointed as professors:

SANFORD COHEN (Economics). Professor Cohen earned his doctorate at Ohio State in 1951 and taught at Western Reserve, Illinois, and Michigan before coming to UNM. During the past summer he was faculty director of the International Manpower

Institute, sponsored by the Department of Labor in Washington, D.C. Professor Cohen's major publications include Labor in the United States, 2nd ed., 1966; and Labor Law, 1964.

JOSEPH FRANK (English). As previously reported, Professor Frank will become chairman of the department of English in Semester II, 1966-67.

G. MILTON WING (Mathematics). Professor Wing rejoins the UNM faculty after an absence of seven years. In the interim, he was employed by Sandia Corporation and subsequently taught at California and Colorado. Professor Wing earned his bachelor's and master's degrees from Rochester and completed his doctorate at Cornell in 1949. His fields of specialization include classical analysis, transport theory, and mathematical physics. Professor Wing first came to New Mexico in 1945 to work at the Los Alamos Scientific Laboratory. He is the author of over forty mathematical publications.

Nine appointments were made at the rank of associate professor, as follows:

CHARLES L. BECKEL (Physics). Professor Beckel returns to academic life after four years as consultant and research staff member of the Institute for Defense Analyses at Arlington, Virginia. He received his Ph. D. from Johns Hopkins and has taught at Georgetown. Professor Beckel has also held two Fulbright Lectureships. In 1957-58 he taught at Peshawar University in Pakistan and in 1963-64 at Cheng Kung University in Taiwan. A specialist in quantum mechanics and molecular structure, Professor Beckel has published in various scientific journals. He

is currently preparing a book on applied mathematics.

IVEN V. BENNETT (Geography). Before joining the UNM faculty, Professor Bennett was head geographer at the Desert and Tropic Laboratory of the U.S. Army Natick Laboratories in Massachusetts. A specialist in physical geography and climatology, he received his doctorate from Boston University in 1962. His publications include "A method for preparing maps of mean daily global radiation," Archiv für Meteorologie, Geophysik and Bioklimatologie, 1964; and "Heat balance of the earth," Geographical Review, 1966.

ANTHONY G. HILLERMAN (Journalism). No newcomer at UNM, Professor Hillerman was formerly Associate Director of Information and Publications. He has had fifteen year's experience as a reporter and journalist. He has written for the United Press in Oklahoma City and Santa Fe. Before joining the UNM staff in 1963, Professor Hillerman was executive editor of the Santa Fe New Mexican. In 1959-60, he was a lecturer in journalism at the College of Santa Fe.

ROBERT H. KOCH (Astronomy). Professor Koch, a specialist in stellar photoelectric photometry and stellar spectroscopy, comes to UNM from the University of Massachusetts. He received his Ph.D. from Pennsylvania in 1959 and has also done graduate work at the University of Arizona. His publications have appeared in the Astronomical Journal, and in 1965 he presented two papers to the American Astronomical Society.

RAYMOND C. MURRAY (Geology). Professor Murray was a research geologist with the Shell Development Company from 1955-1966. He received his B.A. from Tufts University in 1951 and the Ph. D.

- 14 -

from Wisconsin in 1955. His articles in the fields of sedimentary petrology and geomorphology have appeared in leading geological journals.

LOUIS E. PRICE (Psychology). Professor Price earned his doctorate from the State University of Iowa in 1960 and taught at the University of Massachusetts before joining the UNM faculty. He is a specialist in children's learning and motivation and has published numerous articles in the field. He is currently preparing an advanced reference book covering theoretical and empirical research on the normal child entitled Learning in Children. This work is under contract with the Academic Press, Inc.

MARTIN C. NEEDLER (Government). Professor Needler joins the faculty as Director of Inter-American Affairs and Associate Professor of Government.

MARK NEUWELD (Government). Professor Neuwelt is a specialist on the Soviet Union and the strategic and military aspects of international relations. He received his B.A. from Northwestern and his M.A. and Ph. D. from Harvard. From 1964-66 Professor Neuwelt was a lecturer at the University of California at Santa Barbara. He also did research and analysis work for the Arms Control Disarmament Department of Hughes Aircraft Company in California. Among his publications are "The Communist Control Commission," American Soviet and East European Review, 1959, and "The Latest Soviet Census," Commentary, 1960.

W. WARREN WAGAR (History). Professor Wagar comes to UNM from Wellesley College in Massachusetts. He received his M.A. from Indiana in 1954 and his Ph. D. from Yale in 1959. In 1957

he was the recipient of a Fulbright Scholarship for study in England. His published works include H. G. Wells and the World State, 1961; and The City of Man, 1963. A specialist on European intellectual history, Professor Wagar is preparing a study of the idea of progress since Darwin and Marx.

Additions to the faculty at the rank of assistant professor are listed below by departments.

Anthropology:

BRUCE J. RIGSBY. A.B., Louisville, 1961; Ph. D., Oregon, 1965

WILLIAM T. STUART. A.B., George Washington University, 1961; Ph. D., to be awarded, Oregon.

Chemistry:

NICHOLAS E. VANDERBORGH. A.B., Hope College, 1960; M.A. and Ph. D., Southern Illinois, 1962 and 1964. Since 1964 Professor Vanderborgh has done post-doctoral work at Minnesota.

Economics:

CALVIN L. DePASS. B.S., Portland State College, 1961; Ph. D. to be awarded, Oregon.

TRACY W. MURRAY. B.A., Washington State, 1962; Ph. D. to be awarded, Michigan State.

K. JOAN SATO. B.S., Westminster College, 1960; M.S., Purdue, 1962; Ph. D. to be awarded, Utah.

English:

CHARLES G. MASINTON. B.A., Colorado, 1961; Ph. D. Oklahoma, 1966.

IVAN P. MELADA. B.S., West Chester State Teachers College, 1953; M.A., California, 1958; Ph. D. to be awarded, California. Professor Melada was previously an instructor at Imperial Valley College in California.

MARY J. POWER. B.S., Regis College, 1962; A.M., Wisconsin, 1964; Ph. D. to be awarded, Wisconsin.

English, continued:

JAMES L. RUFF. B.A., Carleton College, 1960; M.A., Northwestern, 1961; Ph. D. to be awarded, Northwestern. Professor Ruff was formerly a member of the faculty of the National College of Education in Evanston, Illinois.

FREDERICK B. WARNER. B.A., Arkansas, 1957; LL.B., Colorado, 1959; M.A., Arkansas, 1962; Ph. D. to be awarded, Illinois.

Government:

LAWRENCE LITWIN. B.A., Brooklyn College, 1956; Ph. D. to be awarded, New York University.

HAROLD V. RHODES. B.A., M.A., University of Wichita, 1958, 1959; Ph. D., University of Arizona, 1964. Professor Rhodes has taught at Arizona and Wake Forest College.

Geology:

ALBERT M. KUDO. B.A., Toronto, 1960; M.Sc., McMaster, 1962; Ph. D. to be awarded, University of California, San Diego.

History:

RONALD H. DOLKART. B.A., UCLA, 1955; M.A., University of California, Berkeley, 1958; Ph. D. to be awarded, UCLA.

Mathematics:

HERSCHEL L. BENTLEY. B.S., M.S., Arizona, 1961, 1963; Ph. D., Rensselaer, 1965. Professor Bentley was formerly an assistant professor at Rensselaer.

RONALD G. BIERSTEDT. A.B., Colorado College, 1957; Ph. D., University of Colorado, 1963. Professor Bierstedt was formerly an instructor at the University of California, Berkeley.

RICHARD GRIEGO. B.S., UNM, 1961; M.S., Ph. D., Illinois, 1961, 1965. Professor Griego formerly taught at the University of California, Riverside.

ANNE K. STEINER, A.B., M.A., Missouri, 1958, 1963; Ph. D. to be awarded, UNM. Professor Steiner has been a part-time instructor at UNM.

EUGENE F. STEINER. B.S., Missouri School of Mines, 1954; M.A., Missouri, 1960; Ph. D., Missouri, 1963.

Modern Languages:

GEORGE A. JOCUMS. B.A., M.A., Duquesne, 1955, 1962; Ph. D. to be awarded, Michigan. Professor Jocums has taught at Duquesne and Michigan.

Philosophy:

PATRICIA F. SANBORN. B.A., Mount Holyoke College, 1958; M.A., Ph. D., Columbia, 1961, 1965. Professor Sanborn formerly taught at Hunter College in New York.

Physics:

SEYMOUR S. ALPERT. A.B., Ph. D., University of California, Berkeley, 1953, 1961. Professor Alpert was formerly a research Associate at Columbia University.

PHILIP M. CAMPBELL, Jr. B.A., M.A., Ph. D., Colorado, 1958, 1960, 1963. Professor Campbell was formerly a member of the staff at Lawrence Radiation Laboratory, Livermore, Cal.

CHANDLER COLSTON. Sc.B., Brown University, 1961; Ph. D. to be awarded, University of California, Berkeley.

CHARLES L. HYDER, B.S., M.S., UNM, 1958, 1960; Ph. D., Colorado, 1964. Professor Hyder, who has taught at UCLA and is a Research Astronomer at the Sacramento Peak Observatory, Sunspot, New Mexico, will teach at UNM one semester every other year.

Psychology:

PEDER J. JOHNSON. B.A., M.A., Minnesota; Ph. D., Colorado, 1965.

Sociology:

LOIS C. DILATUSH. B.A., Ohio Wesleyan, 1948; M.A., Oberlin, 1950; Ph. D., Colorado, 1966.

MORRIS A. FORSLUND. B.A., M.A., Yale, 1958, 1959; Ph. D. to be awarded, Yale. Professor Forslund was formerly a member of the faculty of the University of Connecticut, Stamford.

Speech:

JUDITH W. CAREY. B.A. Wichita, 1962; M.A., UNM, 1964; Ph. D. to be awarded, Illinois. Professor Carey formerly taught at Greenville College in Illinois.

JOHN D. GIBB. B.S., M.A., Utah, 1963, 1964; Ph. D. to be awarded, Wayne State.

Speech, continued:

JIM DUFF HUGHEY. B.A., Oklahoma State, 1961; M.S., Purdue, 1964; Ph. D. to be awarded, Purdue.

LLOYD E. LAMB. B.A., North Texas State, 1960; M.S., Ph. D., Purdue, 1962-64. Professor Lamb, an audiologist, formerly taught at the Louisiana State University Medical School.

MARILYN J. VanGRABER. B.A., Vermont, 1962; M.A., Alabama, 1963; Ph. D. to be awarded, Iowa.

Three persons were appointed at the rank of Lecturer.

Modern Languages:

PATRICIA MURPHY. B.A., Rochester, 1957; M.A., Wisconsin, 1963; Ph. D. in progress, Wisconsin.

Philosophy:

JOSEPH HASSETT. B.A., Woodstock College, Maryland, 1936; M.A., Fordham, 1940; Ph. D. in progress, Fordham. Mr. Hassett was formerly a member of the Philosophy Department at Fordham.

BRIAN E. O'NEILL. B.A., M.A., California, 1956, 1965; Ph. D. in progress, California. Mr. O'Neil has also been appointed an assistant dean of the Graduate School.

III. WORK OF THE COLLEGE IN TEACHING

STUDENT CREDIT HOURS TAUGHT

The number of student credit hours taught in all A&S departments during 1965-66 increased over the preceding year by 26,311 hours--a total corresponding to 822 FTE students. On a percentage basis the increase was 15.6 per cent. The College continued to do more than two-thirds of all the teaching done by the University in terms of SCH. The figures given below are for the two semesters of the regular academic year, excluding summer enrollments.

STUDENT CREDIT HOURS TAUGHT, UNM AND A&S

YEAR	STUDENT CREDIT HOURS		A&S PER CENT OF TOTAL
	UNM	A&S	
1960-61	164,397	111,149	67.8
1961-62	177,334	119,872	67.6
1962-63	194,543	132,646	68.2
1963-64	214,123	145,965	68.2
1964-65	248,253	168,552	67.9
1965-66	290,852	194,863	67.0
<hr/>			
Five-year Increase	126,455	83,714	
	77%	75%	

Within the College, departmental teaching loads during the 1965-66 academic year ranged from just over 1,000 student credit hours in journalism to 32,841 in English. As shown in the last column of the following table, five departments have more than doubled their SCH production during the five years since 1960-61.

STUDENT CREDIT HOURS BY DEPARTMENTS

DEPT.	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	% INCR. 1961-66
Anth.	5,550	6,628	7,631	7,945	8,505	10,523	89.6
Biol.	8,621	10,944	12,102	13,553	15,195	17,122	98.6
Chem.	7,517	7,589	8,256	8,950	9,709	11,270	49.9
Econ.	4,362	4,226	5,203	5,346	5,986	7,482	71.5
Engl.	17,912	19,431	21,870	24,937	28,331	32,841	83.3
Geog.	1,411	1,520	2,188	2,833	2,474	2,829	100.5
Geol.	3,506	4,561	5,014	5,533	6,196	7,385	110.6
Govt.	3,990	4,600	4,583	5,061	6,991	8,232	106.3
Hist.	11,068	12,001	12,092	13,774	16,884	19,612	77.2
Journ.	559	555	569	648	884	1,060	89.6
Math.	14,482*	14,561	15,435	16,963	19,810	22,269	53.7
M&CL	10,440	12,242	13,868	14,438	16,357	17,346	64.2
Phil.	2,524	3,520	3,027	3,243	3,638	4,215	67.0
Phys.	5,184	4,838	5,440	6,065	6,529	7,265	40.1
Psych.	6,900	7,049	8,382	9,266	10,976	12,623	82.9
Socio.	2,290	2,567	3,589	3,933	5,702	6,995	205.4
Spch.	2,583	3,040	3,397	3,477	4,385	5,761	123.0
TOTALS	108,899	119,872	132,646	145,965	168,552	194,830	96.9

*Math 2
credit 2,250 omitted to make figures comparable with 1962-66.

DEGREES AWARDED

The following table shows the number of students awarded baccalaureate and advanced degrees in the departmental and inter-departmental curricula offered by the College during the last three years. The totals for bachelor's degrees do not agree with those given in section I above, since here students with double majors are counted under both departments.

BACHELOR'S AND ADVANCED DEGREES AWARDED, 1964-66

DEPARTMENT	B.A., B.S.			M.A., M.S.			Ph. D.		
	1964	1965	1966	1964	1965	1966	1964	1965	1966
Anthropology	17	16	29	7	-	2	-	-	-
Biology	39	39	45	12	6	11	1	2	1
Chemistry	11	21	14	6	1	7	3	4	2
Comp. Lit.	2	2	1	1	-	1			
Economics	9	20	10	1	3	1			
Econ-Phil.	-	1	-						
English	42	52	56	6	17	21	1	2	3
Engl-Phil.	2	3	1						
For. Studies.	15	19	17	1	3	1			
Geography	-	2	3						
Geology	8	10	8	5	4	2	1	2	3
Government	16	23	26	4	3	2			
History	28	43	43	10	14	15	3	8	6
Journalism	11	6	13						
Mathematics	30	28	30	5	7	11	2	4	1
Mod. Languages	30	18	34	6	13	14	1	1	-
Philosophy	3	5	7	-	1	4			
Physics	4	7	8	10	6	8	2	4	2
Psychology	40	36	47	1	6	4	-	1	-
Sociology	6	11	14	-	-	1			
Speech	4	5	5	2	4	7			
Art*	3	3	1						
Medical Tech.*	3	2	2						
American Studies**							-	1	1
Ibero-American Studies**							-	-	1
M.A.T. (Spanish)				9	14	16			
M. Ed. Sci.				24	39	30			
Social Work	1	-	-						
Home Econ.*	-	4	-						
TOTALS	324	376	414	110	141	158	14	29	20

* Not departments of the College of Arts and Sciences, but major or minor is allowed under certain conditions.

** Interdisciplinary programs at the doctoral level.

QUALITY IN TEACHING

In its first full year of operation, the Committee on the Improvement of Instruction concentrated on a study of courses and teaching methods at the freshman level. Using a questionnaire supplemented by interviews with department chairmen, the committee completed a survey of all freshman courses taught by the College with detailed information on section sizes, use of quiz sections or laboratories, staffing, teaching loads for instructors of freshman classes, teaching techniques (use of syllabi, assigned papers, examination methods, etc.), use of graduate or teaching assistants, and other pertinent facts. The committee's recommendations will be presented to the faculty for discussion at an early meeting in the fall of 1966. Membership of the committee is as follows:

Katherine Simons (English), Chairman
John M. Campbell (Anthropology), Secretary
Roy D. Caton (Chemistry)
Donald W. Dubois (Mathematics)
Gary C. Hufbauer (Economics)
Paul M. Sonnino (History)

Two members of the College faculty, Claude-Marie Book of the department of modern and classical languages and Joseph Zavadil of the department of English, shared in the first annual Outstanding Teaching Award, sponsored by the Alumni Association through the Greater UNM Fund. They were chosen by a selection committee of faculty and students on the basis of knowledge of their fields, rapport with students and classes, presentation of material and ideas, and effect of their instruction on students.

Professor Stanley Newman of the department of anthropology was elected as Professor of the Year by Campanas, junior women's honorary, and four other members of the A&S faculty were selected by the same organization as Professors of the Month: Roger Anderson (geology) for September, Albert R. Lopes (modern languages) for November, Edith Buchanan (English) for February, and Fred Chreist (speech) for April.

IV. WORK OF THE COLLEGE IN RESEARCH

Achievements of the College faculty in research during the year are presented in detail in the departmental reports. Scholarly publications by members of the seventeen A&S departments totaled 160 articles or chapters in books, 42 notes, abstracts, and reviews, and 18 books or monographs. The book-length publications are listed below.

BOOKS PUBLISHED BY MEMBERS OF THE COLLEGE FACULTY, 1965-66

- Archie J. Bahm, ed. Directory of American Philosophers III, 1966-67. Albuquerque, 1966
- Archie J. Bahm. Yoga for Business Executives and Professional People. New York. Citadel Press, 1965.
- Stoughton Bell, Julius Blum, James Lewis, and Judah Rosenblatt. Introductory Calculus. New York. Holden-Day, 1966.
- John M. Campbell. Radiocarbon Dating and Far Northern Archaeology. Washington State University Press, 1966.
- Paul Davis and Morris Freedman, eds. Contemporary Controversy. Scribner's, 1966.
- Ned J. Davison. Modernism as a Concept in Hispanic Criticism. Boulder: Pruett Press, 1966.
- Ned J. Davison. Sobre Eduardo Barrios y otros. Albuquerque, 1966.
- Hamlin Hill. Mark Twain's Letters to his Publishers. U. of California Press, 1966.
- Gary C. Hufbauer. Synthetic Materials and the Theory of International Trade. Harvard Press and Duckworth, London, 1966.

- Charles B. Judah and George W. Smith. Life in the North During the Civil War. UNM Press, 1966.
- Edwin C. Lieuwen. The U.S. and the Challenge to Security in Latin America. Ohio State U. Press, 1966.
- Edwin C. Lieuwen. U.S. Policy in Latin America. Praeger, 1965.
- Frank A. Logan, co-author. Reward and Punishment. Boston: Allyn and Bacon, 1965.
- Raymond R. MacCurdy. Francisco de Rojas Zorrilla: bibliografía critica. Madrid, 1965.
- Stuart A. Northrop. UNM Contributions in Geology, 1898-1964. UNM Press, 1966.
- George Ridenour, ed. Shelley: A Collection of Critical Essays. New York: Prentice-Hall, 1965.
- Gunther Rothenberg. The Military Border in Croatia, 1740-1881. University of Chicago Press, 1966.
- Paul Sonnino. Louis XIV's View of the Papacy. University of California Press, 1966.

Although a substantial portion of the scholarly work done by members of the College faculty is carried on without outside support, sponsorship and funding by federal agencies or foundations continues to increase in scale, especially in the sciences. The following tabulation of reimbursement to the University for sponsored research conducted by A&S departments in 1965-66 gives some idea of the scope and variety of such activity currently.

OUTSIDE FUNDING OF RESEARCH ACTIVITIES, 1965-66

DEPARTMENT	No. of Grants	Sponsoring Agencies	Total Reimbursement
Anthropology	6	NSF, UCLA, Rio Rancho Estates	\$ 5,175
Biology	4	NSF, AEC, Rocky Mountain FES	26,572
Chemistry	13	NSF, AEC, NIH, AFOSR, Res. Corp.	220,138
Economics	3	HEW, Resources for Future, Water Res. Inst.	82,203
Geology	2	NSF, NASA	85,535
Government	1	Columbia University	5,210
Mathematics	4	NSF	43,245
Physics	24	NSF, NASA, HEW, AFOSR	549,229
Psychology	6	NSF, HEW, AFMOC	104,588
Sociology	1	AFOSR	46,301
TOTALS	64		\$1,168,196

- 25 -

A major disappointment during the year was the rejection by the National Science Foundation of the University's "Center of Excellence" proposal, which would have permitted major expansion of resources for both teaching and research in three Arts and Sciences departments (chemistry, mathematics, physics) and in electrical engineering. Officials of the Foundation encouraged the University administration to prepare a more limited proposal, probably in Mathematics, for a Departmental Development Grant. The possibility is being actively discussed and it is expected that a proposal will be prepared and submitted in 1966-67.

The department of physics and astronomy moved into its new Graduate Research building in December, 1965.

HT:bb

The Report of the Department of Anthropology
July 1, 1965 - June 30, 1966
John M. Campbell, Chairman

I. General departmental information.

A. Significant achievements during the academic year, 1965-66.

During the year 1965-66, twenty-one students received the Bachelor of Arts degree in Anthropology and an additional nineteen, who were awarded baccalaureate degrees, minored in Anthropology. Two students received the Master of Arts degree in Anthropology.

The 35th Annual Field Session in Anthropology was held at the pre-historic Pueblo site of Sapawe, near El Rito, Rio Arriba County, New Mexico. This was the third season of excavation by the University of New Mexico in this largest known Pueblo ruin in the Southwestern United States.

Graduate and undergraduate students in Anthropology participated in, or conducted, research projects in Alaska, Northwest Territories of Canada, California, Colorado, Mexico, and Missouri, as well as in the Southwestern United States.

One undergraduate major in Anthropology was initiated into Alpha Chapter of New Mexico, Phi Beta Kappa, and one undergraduate major and two faculty members in Anthropology were initiated into the New Mexico Chapter of Phi Kappa Phi. One graduate student in Anthropology was initiated into the New Mexico Chapter of Sigma Xi. Two undergraduate majors in Anthropology participated in the Ford Foundation Career Scholar program. During the period covered by this report, the following members of Anthropology graduate students either were notified of awards of grants-in-aid or received grants-in-aid from the organizations listed: American Council of Learned Societies Linguistics Institute Fellowship,

one; American Association of University Women Fellowship, one; Arctic Institute of North America and the Explorers Club research grants, one; D. K. Falls, Co., research assistantship, one; National Defense Education Act Title IV Fellowships, three; National Science Foundation Cooperative Fellowship, one; National Science Foundation Dissertation Grants (awarded to faculty members for graduate student research), two; National Science Foundation Graduate Fellowship, one; National Science Foundation Traineeship, one; National Science Foundation Tri-Institute Training Grants, three; Rio Rancho research assistantship, one; University of New Mexico Graduate Fellowships, two.

The Anthropology curriculum at both the graduate and undergraduate levels was revised. At the upper division and graduate levels two courses were dropped and eleven courses added. The major departmental curriculum divisions were changed from Archaeology, Ethnology, Linguistics, Technical, Topical, Field Courses, and Graduate Courses to General Anthropology, Archaeology, Linguistics, General Ethnology, Technical, and Individual Studies. The additions and revisions were made in response to the skills of new faculty members, in order to inaugurate departmental programs in Latin America studies and Social Anthropology, and because of the need for strengthening and consolidating, and for filling gaps in the curriculum.

Both the undergraduate and graduate requirements were also revised. At the undergraduate level, course 201 was added as a major requirement. A further, revised requirement for the major states that the student must concentrate in either Archaeology, Linguistics, or General Ethnology; that he must take 12 hours in one of those three divisions, 6 hours in each of the other two, and 3 hours in the Technical division.

At the graduate level, a new two year M.A. program was formulated.

Major changes in the M.A. program include the following new or revised requirements. The degree is offered without a thesis and without a minor. A minimum of 32 hours of course work, 12 of which must be in 500-level courses, are required. At least 2 courses in Archaeology, General Ethnology, and Linguistics are required. Courses 505, 509, and 511 are required. A passing score in the Graduate Written Comprehensive Examination, which must be taken no later than the fourth semester in residence, or its equivalent, is required. Other M.A. requirements remain essentially as they stood previously.

Major changes in the Ph.D. program include the following new or revised requirements. The student must demonstrate reading proficiency in two foreign languages, or reading proficiency in one foreign language and proficiency in statistics. A passing score in the Graduate Written Comprehensive Examination, to be taken in the second semester in residence, or its equivalent, is required. A passing score in the Ph.D. Written and Oral Examination, to be taken during the fourth semester in residence, or its equivalent, is required. In lieu of a final dissertation defense, the student, in his third year of residence, or its equivalent, and before writing his dissertation must defend its major thesis, and explain its intended content in a colloquium presented to the Anthropology faculty. (These requirements are for the student who enters the Ph.D. program with a B.A. or its equivalent in Anthropology. The student who enters the Ph.D. program with an M.A. or its equivalent in Anthropology is expected to fulfill the same requirements but at a more rapid pace.) Other requirements relating to the Ph.D. in Anthropology remain essentially as they stood previously.

Revisions in both undergraduate and graduate requirements were made for reasons of streamlining and modernizing the programs, and, at the

graduate level, for the purpose of giving more emphasis to the Ph.D. program. The undergraduate requirement revisions, as noted above, were approved by the Dean of Arts and Sciences and the College of Arts and Sciences. The graduate requirement revisions, as noted above, were approved by the Dean of the Graduate School and the Graduate Committee.

The following visiting scholars presented lectures or led seminars in the department: Dr. Paul Sears, Professor Emeritus, Yale University; Dr. A. E. Dittart, Jr., Director, Division of Research, Museum of New Mexico; Dr. Loren Fotter, Chairman, Department of Biology, University of New Mexico; Professor David Bassemir, Department of Psychology, University of New Mexico; Dr. Karl Schlesier, Department of Sociology and Anthropology, Wichita State University.

Numbers 2, 3, and 4 of Vol. 21, and No. 1 of Vol. 22 of the Southwestern Journal of Anthropology, were published. This publication is sponsored by the department and edited by Dr. Harry Bashart and Dr. Stanley Horman. Dr. W. H. Hill is associate editor. The Southwestern Journal now has a total of 2,019 subscribers, 396 of whom reside in foreign countries. Between July 1, 1965 and June 30, 1966, subscriptions increased by 232 over the same period for the preceding year.

The Museum of Anthropology continued to serve importantly in both teaching and research; its role as a valuable community service was greatly expanded, as the increased attendance testifies.

Museum Attendance - From the period July 1, 1965 to May 20, 1966.

Attendance in guided groups	7,851
Other attendance (approximate)	36,000
	43,851 (approximate)

This represents an increase of 2,085 Museum visitors over the same period for the year 1964-1965.

Most Museum visitors were from the Albuquerque Public School system, grades 5 and 6 predominating. In addition, school groups from Rockford, Illinois; Espanola, Grants, Socorro, Gallup, Los Alamos, Los Lunas, Bernalillo, Santa Fe, Aztec and Farmington, New Mexico were guided through the Museum.

Museum Collections - Collections of the Museum of Anthropology continue to grow rapidly. Of major importance were collections of Indian (Asiatic) ethnological specimens given by Dr. Estelle Ford Warner and Miss Irene Fisher; pre-Columbian artifacts, and African and Oceanic materials. Of special significance were several donations of Classical objects which helped to strengthen one of the weakest areas of the collections.

The reorganization of the storage areas of the Museum of Anthropology is almost completed, and re-cataloguing continues. Classification of the collection of photographs is completed and photographing of the catalogued objects has begun.

Museum Exhibitions - The central exhibit of the Museum featured the exhibit of Dorothy Field Maxwell's Kachina collection given to the Museum the previous year. In addition, smaller central exhibits of musical instruments of recent acquisition were installed. New permanent exhibitions included cases on early Southwestern agriculture, the modern Pueblos, the Plains Indians, the Hohokam, the Mogollon, and the Navajo, Osceola, and human evolution.

B. Significant plans and recommendations for the future.

In my report to you of June 1st, 1965, I noted that "a major departmental problem, at present and in the near future, is that of attracting a larger number of excellent graduate students," and I

outlined four procedures i.e., revising and expanding the Anthropology curriculum, including the inauguration of programs in the Latin America area and in Social Anthropology; the hiring of additional, high caliber faculty members; an intensive search for graduate fellowship grants; and an active program of graduate student recruitment, by which we planned to resolve this problem. I am pleased to report that while we still have some distance to go, this department has initiated all four procedures, and ~~that~~ they are proving successful. At present, the largest problem on the near horizon relates to the lack of physical space in the Anthropology Building. Our growing staff, our increasing numbers of students, and, importantly, our expanding Museum emphasize the acute need for additional office and laboratory space in the building. We know quite precisely how much, and what sorts of additional space is needed, and we have drawn up preliminary building plans. It is sincerely hoped that the University will entertain our proposal, to be submitted in the fall of 1966, for the required addition.

C. Appointments to staff.

Bruce J. Rigsby (Ph.D. University of Oregon) will become an Assistant Professor of Anthropology, effective September 1, 1966.

* George P. Springer (Ph.D. Harvard University) became an Associate Professor of Anthropology (part-time), and Dean of the Graduate School, September 1, 1965. William T. Stuart (Ph.D. University of Oregon) will become an Assistant Professor of Anthropology, effective September 1, 1966.

D. Separations from staff.

None

* This appointment did not appear in my report to you of June 1st, 1965.

II. Composite of information requested on individual biographical supplements.

1. Advanced Study

Karl H. Schwerin - Awarded Ph.D., U.C.L.A., August, 1965.

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

J. J. Brody - Directed 34th Annual Field School during summer.

Florence H. Ellis - Sabbatical leave, Semester I, 1965-1966; 5 weeks travel in Mexico and Guatemala during leave.

Frank C. Hibben - Sabbatical leave Semester II, 1965-1966; travel to Africa, India, Europe, and England during the leave; Official Consultant, U.S. State Dept., India, March, April, 1966; Consultant to Geneva Conference on African Affairs, May 1, 1966; Consultant to London Conference on the Rhodesian Question, May 2 through May 7, 1966.

W. W. Hill - Sabbatical leave, Semester II, 1965-1966.

3. New scholastic honors, fellowships, etc.

Philip K. Rock - Promoted to Associate Professor as of July, 1966; Appointed "Danforth Associate".

John M. Campbell - Elected to membership in Phi Kappa Phi, University of New Mexico; nominated as Fellow, American Association for the Advancement of Science.

- Nancie L. Gonzalez - Elected to membership in Phi Kappa Phi,
University of New Mexico.
- Karl H. Schwerin - Elected Fellow in the American Anthropological
Association; Associate in Current Anthropology;
Full Member of Sigma Xi.

4. Publications during the period.

- Harry W. Baschert - Leslie Spier 1893-1961, American Anthropologist,
67, 5 (1965), pp. 1258-1277 (with W. W. Hill).
- Review: B. Devons and M. Gluckman, Closed Systems and Open Minds: The Limits of Naivety in Social Anthropology, Science, 149, 3689, (1965), p. 1223.
- Review: G. F. Murdock, Culture and Society, Science, 151, 3717, (1966), pp. 1520-1521.
- Philip K. Hock - 5 abstracts in International Journal of American Linguistics, XXXI:165-6 (April, 1965).
- Signed contract with A. A. Knopf for introductory textbook in cultural anthropology which should be submitted before the end of 1966.
- One article and one monograph now in press.
- John M. Campbell - Arctic, Current Research, American Antiquity,
Vol. 31, No. 2, Part 1, pp. 290-295, October, 1965.
- Review: The Cultural Affinities of the Newfoundland Dorset Eskimo, (by Elmer Harp, Jr.), American Antiquity, Vol. 31, No. 2, Part 1, October, 1965, pp. 288-289.
- Radiocarbon Dating and Far Northern Archaeology, Washington State University Press, Pullman, Washington, June, 1966.
- Florence M. Ellis - The History of Zia Pueblo as Indicated by
Excavation in the Zia Dump, American Antiquity, in press.
- Differential Pueblo Specialization in Fetishes and Shrines, with some Historical Implications for Ethnology, in press.

Florence H. Ellis
(continued)

- Pueblo Boundaries and their Markers, Plateau, in press.
- Use and Significance of the Teanahis, El Palacio, in press.
- Arrow Grotto, Inner Sanctum of Feather Cave, American Antiquity, in press.
- Distinguishing Laguna from Acoma Pottery, El Palacio, in press.
- What Utaztecan Ethnology Suggests of Utaztecan Prehistory, Idaho State University Monograph, in press.
- Archaeology as the Warp and Ethnology as the Weft in the Reconstruction of Pueblo Prehistory, Wetherhill Mesa Series (Memoir, American Antiquity), in press.
- Shrine of the Warriors, New Mexico Magazine, August, 1966.

Rancie L. Gonzalez

- Medical Beliefs of the Urban Folk in Guatemala, America Indigena, 10 pages, Fall, 1965.
- Black Carib Adaptation to a Latin Urban Milieu, Social and Economic Studies, 7 pages, September, 1965.
- The Consanguineal Household and Matrifocality, American Anthropologist, 9 pages, December, 1965.

Frank C. Hibben

- Pottery Mound, American Antiquity, June, 1966.
- Mexican Inspired Murals at Pottery Mound, Archaeology, June, 1966.
- A Proposed Sequence of the Lower Paleolithic for the Middle Limpopo area of Mozambique, South African Archaeological Bulletin, in press.
- A Campsite of the Mysterious Folsom Man in the Rio Grande Valley, Encyclopedia Americana, in press.
- The Gatherers, Rand McNally Company, in press.
- Review: Fair Gods and Stone Faces by C. Irwin, Archaeology, 1966.

W. W. Hill

- Leslie Spier 1893-1961, American Anthropologist, (with Harry W. Baschert), Volume 67, No. 5, Part 1, October, 1965.

Stanley S. Newman

- Review: Studies in Californian Linguistics (ed. by William Bright), International Journal of American Linguistics 31:361-363, 1965.
- In collaboration with Harry Baschert, prepared Index of volumes 1-20 of the Southwestern Journal of Anthropology (1945-1964), published in 1965, 64 pages.
- Two articles reprinted in Dell Hymes, Language in Culture and Society, New York, Harper and Row, 1964, pp. 372-381, 397-405.

Karl H. Schverin

- On the Arch in Pre-Columbian Mesoamerica, Current Anthropology, vol. 7, p. 89.
- Dissertation entitled Karinya Culture Change in Response to Industrial Development to be published as a monograph late in 1966.

5. Other research projects or creative work in progress or completed during the period.

Harry W. Baschert

- Comment on H. W. Scheffler, "Ancestor Worship in Anthropology, or, Observations on Descent and Descent Groups," for Current Anthropology.
- NSF Project GS-25 (Katango of Tanganyika) funds previously authorized.
- NSF Project GS-1088 (Doctoral Dissertation Research in Anthropology--Susanne Reynolds), \$5400.
- "The Mescalero Apache Tribe as a Resource Holding Corporation" (still in preparation.)

Philip K. Eeck

- Reviewed physical anthropology text for Random House (revised edition contemplated.)
- Mainly working on manuscript of text book (see #4 above).

J. J. Brody

- Article, A Spanish Homestead near Placitas, accepted for publication by El Palacio.
- Major exhibition Kachinas opened in Anthropology Museum.
- Excavation of five pithouses and one historic site near Taos completed, reports on all in progress.
- Excavation of small Pueblo site near Albuquerque in progress.
- Major exhibition for Anthropology Museum Hunting in progress.

John M. Campbell

- Arctic, Current Research, American Antiquity, in press.
- The Culture History of Anaktuvuk Pass: Nunamiut Archaeology (a monograph), in progress.

Florence M. Ellis

- Five weeks of travel in Mexico and Guatemala during sabbatical leave.

Manoel L. Gonzalez

- Research on Spanish-American of New Mexico, sponsored by the Mexican-American Study, Project, U.C.L.A., \$6,000, June, 1965-June, 1966.

Frank C. Hibben

- Investigation of Paleolithic sites in the Limpopo Valley, Mozambique, Africa.
- Investigation of Paleolithic sites in Central Tanzania, Africa.
- Investigation of evidences of the Paleo Indian in the Rio Rancho area, Rio Grande Valley, New Mexico.
- Investigation of the Paleo Indian in the Estancia Valley, New Mexico.

- Stanley S. Newman - Study of some meaning categories in the Zuni language, in preparation for writing an article on the "to be" concept for Foundations of Language: International Journal of Language and Philosophy.
- Karl H. Schwerin - Analysis of subsistence patterns of aboriginal tribes of South American tropical forests.

6. Activities in learned and professional societies.

- Basehart - Chairman, SE Asia session, American Anthropological Association Annual Meeting, Denver, November, 1965.
- Meeting of Editorial Council, American Anthropologist.
- Secretary, New Mexico Chapter, Sigma Xi.
- Beck - Attended annual meeting of the American Anthropological Association, Denver, November, 1965 and presented paper: "Love Magic, Menstrual Taboos and the Facts of Geography."
- Brady - Reported on Taos excavations at the Pecos Conference in Trinidad, Colorado
- Participated in seminar on Southwestern ceramics at the Museum of Northern Arizona, Flagstaff, Arizona.
- Attended annual convention of the American Association of Museums, Philadelphia, Pennsylvania.
- Campbell - Assistant Editor for Current Research, Society for American Archaeology.
- Delivered a paper entitled "Settlements and Settlement Patterns: Some Lessons from the North," at the annual meetings of the American Anthropological Association, Denver, Colorado, November, 1965.

- Ellis**
- "Archaeology as the Warp and Ethnology as the Weft in the Reconstruction of Pueblo Prehistory," paper read at the annual meetings of the American Anthropological Association, Denver, Colorado, November, 1965.
 - "What Utaztecan Ethnology Suggests of Utaztecan Prehistory," paper read at the meeting of the Society for American Archaeology, Reno, Nevada, 1966.
 - Attended Governor's Conference on Civil Rights and Community Relations, August 11, 12, 1965.
 - Gave banquet speech on "San Gabriel del Yunque, First Capital of New Mexico," 13th Annual Meeting, American Indian Ethnohistoric Conference, Tucson, Arizona, 1966.
 - Attended Conference on Pottery Types, Flagstaff, Arizona, 1965.
- Gonzales**
- Read paper entitled "Mexicans and New Mexicans and the Legend of Cultural Differences," at the annual meetings of the American Anthropological Association, Denver, Colorado, November, 1965.
- Hibben**
- Gave lecture on Early Man at the National Gallery of Art, Washington, D.C., January 10, 1966.
 - Gave lecture on Early Man at Randolph Macon Women's College, Lynchburg, Virginia, January 11, 1966.
 - Gave lecture on Early Man at the University of North Carolina, Greensboro, North Carolina, January 12, 1966.
 - Gave lecture on Early Man at the University of Kentucky, Lexington, Kentucky, January 13, 1966.
 - Gave paper at the annual meetings of the American Anthropological Association, Denver, Colorado, November, 1965.

- Hill - Attended annual meetings of the American Anthropological Association, Denver, Colorado, November, 1965.
- Schwerin - Read paper entitled "Biological and Evolutionary Implications of Culture," at the annual meetings of the American Anthropological Association, Denver, Colorado, November, 1965.
- Attended annual meeting of the American Folklore Society, Denver, Colorado, November, 1965.
- Attended annual meeting of the American Association for the Advancement of Science, Berkeley, California, December, 1965.
- Sebring - Attended annual meetings of the American Anthropological Association, Denver, Colorado, November, 1965.

7. Other professional activities.

- Baschert - Member, National Advisory Panel in Anthropology, National Science Foundation (Meetings: Washington, November, 1965; Washington, March, June, 1966.)
- Bosh - Talk on "Religious Dimensions of Culture," presented as part of Unitarian series on Religious Needs in a Changing World, First Unitarian Church, October 24, 1965.
- Panel Member, Discussion on "Jewish Identity on the Campus," Congregation of B'Nai Israel, April, 1966.
- Brody - Lecture in Crossroads series, to the Harwood Foundation, Taos, New Mexico.
- Lecture given to the Albuquerque Archaeological Society.
- Jury member, Gallup Fair, Gallup, New Mexico.
- Lecture given to the Albuquerque Historical Society.
- TV appearance, KQME, Science Fair.

- Campbell**
- Lectured on "Comparative Cultural Values," to the teachers of the El Paso Public School System, January, 1966.
 - Lectured on "Careers in Archaeology" to the Civics class, Madison Junior High School, April, 1966.
 - Lectured on "Being a Hunter" as annual banquet speaker, Sigma Xi, University of New Mexico, May, 1966.
- Ellis**
- Lecture given to the Designer Craftsmen Society on "New Mexico Santos", June 6, 1965.
 - Banquet speech given to the American Association of University Women, Roswell, New Mexico, March, 1966.
 - Television interview on San Gabriel, First Capital of New Mexico, May 19, 1966.
- Gonzalez**
- Gave talk on "The Penitentes of New Mexico" to the Forestry Wives Club.
 - Gave talk on "Spanish-Americans of New Mexico" to the Mexican-American Study Project, Los Angeles, California.
 - Gave talk on "Urbanization in Columbia" to Peace Corps trainees.
 - Gave talk on "Urbanization in Ecuador" to Peace Corps trainees.
 - Gave talk on "Acculturation and Dietary Persistence" to the Southwestern Teachers of Nutrition.
- Hibben**
- TV series on anthropology for CBS.
 - Talks before Civic groups.
- Newman**
- Reviewed two research proposals submitted to the National Science Foundation.
 - Gave two lectures to Peace Corps groups.

Schwerin - Occasional consultancies to Peace Corps on Latin American anthropology.

8. Non-teaching University service.

Basehart - Chairman, Publications Committee.
 - Graduate Advisor, Anthropology Department.
 - Co-Editor, Southwestern Journal of Anthropology.

Rock - Member of General Honors Council.

Brody - Museum of Anthropology curatorial and design work,
 supervision of student labor and volunteers.
 - University College advisor.

Campbell - Chairman, Department of Anthropology.
 - Departmental Coordinator for the Career Scholar Program.
 - Member of the Graduate Committee.
 - Member of the Committee for the Improvement of Instruction.
 - Chairman of the Graduate sub-committee on Graduate Credit.
 - Member of Sigma Xi Membership Committee.

Ellis - University College Advisor.

Conzales - Faculty Advisor for Latin American Desk.
 - University College Advisor.
 - UAM Curricula Committee, Division of Government Research Board.
 - Committee on Latin American Area Studies.

Hibben - Director of the Museum of Anthropology.
 - University College Advisor.

Hill - Advisor for Anthropology undergraduate majors.

- Newman
- Editor, URM Publications in Anthropology.
 - Co-Editor, Southwestern Journal of Anthropology.
 - University College Advisor.
 - Chairman, Academic Freedom and Tenure Committee.
 - Member of the University Research Allocations Committee.
- Schwerin
- University College Advisor.
 - College of Arts and Sciences Committee on Scholarship.
- Sebring
- University College Advisor.
 - Secretary for departmental faculty meetings.
 - Advisor for Anthropology Club.

9. Public Service.

- Brody
- Two short articles on gorilla art for the Albuquerque Tribune, National Observer.
 - Did other promotional activity on behalf of gorillas at Albuquerque Zoo.
- Conzalez
- AAUW evaluation of Albuquerque nursery schools.
 - Member of Monte Vista PTA.
- Hibben
- Chairman, Albuquerque Zoo Board.
 - Member, Game Commission
 - Member of Governor's Committee on Recreation.
 - Member of Johnson's Committee on Recreation.
- Schwerin
- Volunteer fireman, Los Ranchos de Albuquerque.

10. Personal information.

- Boek
- Third child born, November 15, 1965: Karen Abra Boek.

The Report of the Department of Biology
July 1, 1965 - June 30, 1966
Loren D. Potter, Chairman

I. General departmental information.

A. Significant achievements during the academic year, 1965-66.

The unusual enrollment increases in the Biology Department which have been characteristic in the past have decreased somewhat because of the lack of laboratory space and scheduling time to accommodate the requests. There was an increase of 12.32% in Semester I and 7.39% in Semester II. However, about 140 students were turned away from registration into General Biology in Semester I as well as students in the sophomore required courses and some advanced courses.

It will be another year before the addition to the Biology Building will be available and the student demand for Biology courses can be met.

At the present time there are 281 Biology majors including sophomores, juniors, and seniors. This increase means that we must schedule multiple sections in many of the upper-division courses. These laboratories should be met by faculty rather than graduate assistants. As this trend continues, faculty will be required to devote more time in the laboratory sections at the expense of teaching a greater number of courses.

All departmental faculty are currently needed for the advisement of Biology majors; and although the Department recognizes the importance of University College advising, our

present ratio of faculty to majors demands full use of the faculty for advisement within the Department. The Chairman presently advises 61 graduate students.

Because of a lack of space in the present building, two faculty members have been housed in adjacent Marron Hall.

A request for financial assistance from Health, Education, and Welfare, Title I funds, for 69,000 square feet in the addition to the Biology Building has been approved in the amount of \$789,400. This request includes a percentage support for the entire building addition. A request to the National Science Foundation for \$276,900 is still pending. This request was for assistance in the construction of several expensive research laboratories, constant temperature chambers, and the greenhouse, with funds to be on a matching basis. We are still continuing consultation on details of room plans, cabinetry and furnishings for the addition. Working drawings and specifications were completed in May. Bid documents should be finalized by June and hopefully construction will begin in early July.

Considerable progress was made during the year in providing some basic equipment such as compound microscopes, dissecting scopes, and basic instrumentation for physiology laboratories. Several items of special equipment for educational use have been obtained from the Greater UNM fund.

Dr. Clifford Crawford was honored by the receipt of a

Faculty Fellowship from the Greater UNM Fund for the summer of 1966 to be used for a continuing research program.

During the year a Departmental Curriculum Committee has been conducting an evaluation of Biology curriculums reviewing the national trends and has reported to the departmental faculty with recommendations for changes in the requirements for the major; basically a liberalization, a broadening, and an increase in supplementary sciences.

One improvement in graduate education has been the successful development of a departmental, noncredit seminar in which both faculty and graduate students participate. Through this media, members of the Department have become more aware of the research programs of each other and their students.

Exploratory meetings were held regarding cooperative research under ARMU with personnel of the Nuclear Reactor Site at Idaho Falls. Recent negotiations by Dr. Martin Fleck have been taking place for a similar place but more convenient with personnel at Lovelace Foundation and Sandia Corporation. It is hoped that this development will provide the opportunity for graduate students to use more complex equipment and laboratory facilities than can be provided by the University. This should strengthen several areas of graduate work with principal emphasis in physiology and radiation biology.

The Eleventh Radiation Biology Institute sponsored jointly by the National Science Foundation and the Atomic Energy

Commission was approved for the summer of 1966 and will be offered for sixteen college teachers. To date, about 252 teachers, both high school and college, have been trained in this Institute program which was started in 1956.

Application for a National Science Foundation Institute in Field Botany and Ecology for thirty high school teachers and directed by Dr. William Martin was approved. The Institute will be conducted near Taos, New Mexico using the facilities of the Lawrence Ranch for a six weeks period in the summer of 1966. Both local and guest faculty will be used in the program.

Cooperative research between the Department and the U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station was continued under a cooperative research agreement.

There was an increase in the lectureship program presented in the Department which included the internationally known Dr. Frank Brown, a specialist on biological rhythms; Dr. Janis A. Roze, a specialist in herpetology; and Dr. Paul B. Sears, who presented a series of three lectures on Ecology and Man sponsored jointly by the Departments of Anthropology and Biology.

Sixty-one graduate majors were enrolled in 1965-66. Nine Masters Degrees and one Doctoral Degree have been completed during the year.

B. Significant plans and recommendations for the near future.

The most significant development has been the finalizing

of plans for the Biology addition, construction of which should begin in July, 1966. Conversion of the present building and the necessary movement of some facilities into the new building will take place in the summer of 1967. Hopefully completion will be by September 1, 1967. During the school year of 1966-67, it is not known where adequate office and laboratory space will be found for graduate students and research programs as well as the necessary space for science instruction.

C. Appointments to staff.

Dr. Gordon Johnson began the instruction of courses in plant physiology in September, 1965. A graduate program in water and mineral research will be developed under his guidance. An appointment was made as temporary Assistant Professor to Dr. Robert Allison, Lovelace Foundation, to teach paramedical anatomy and physiology in Semester II. Two laboratory supervisors were appointed part-time in 1965-66. These positions will be replaced in 1966-67 by the appointment of an instructor who will be in charge of graduate assistants and the General Biology laboratories. The equivalent of twenty-nine graduate assistants were appointed in 1965-66; and in addition, two graduate internes of the Ford Foundation Career Scholars program and one senior assisted in the teaching program.

D. Separations from staff.

None.

II. Composite of information requested on individual biographical supplements.

1. Advanced study.

None

2. Sabbaticals, leaves, etc.

Degenhardt, William G., (a) Herpetological collecting for the Museum of Southwestern Biology in Texas, Oklahoma, Kansas, California. Extensive Herpetological collecting in New Mexico. (b) Travel to Carlsbad Caverns and Big Bend as consultant to NPS.

Findley, James S., (a) Three trips to Mexico for study of mammals.

Potter, Loren D., (a) Round the world trip with return via South Pacific Islands, visitations to botanical gardens and tropical forests.

3. New scholastic honors, fellowships, etc.

Crawford, Clifford S., (1) received a \$1000 Faculty Summer Research Grant from Allocations Committee, Greater UNM Fund.

Degenhardt, William G., (1) Elected a Fellow of the Texas Academy of Science.

Dittmer, Howard J., (1) Story of Plant Kingdom book received a National Traveling Award from Book Publisher.

4. Publications:

Degenhardt, William G. (1) The host-parasite relationship between Elaphe subocularis (Reptilia: Colubridae) and Aponomma elaphensis (Acarina: Ixodidae). The South-western Naturalist 10(3):167-178, 1965.
(2) A method of counting some diurnal ground lizards of the genera Holbrookia and Cnemidophorus with results from the Big Bend N. P. The American Midland Naturalist 75(1):61-100, 1966.

Dittmer, Howard J. (1) Laboratory Manual of Plant Morphology (Mimeo) revised 1966. Used in several schools.

(2) Phylogeny book had 3rd printing in Jan. minor changes were made.

Findley, James S. (1) An Inventory of the Mammals. (Review). Ecology, Vol. 46(5):759-760.

(2) Comments on spotted bats. Journ. Mamm. 46: 679-680.

Fleck, Martin W. (1) "Health Services", Community Survey, May 1965, pp. 39-51 and 62-63.

(2) "Safety is Important Business ... Everybody's Business", New Mexico Professional Engineer, November 1965, pp. 48-53.

Johnson, Gordon V. (1) Evans, H. J., S. A. Russell and G. V. Johnson. Further consideration of the role of cobalt in organisms that fix nitrogen. In: Non-heme Iron Proteins (A. San Pietro, ed.), Antioch Press, Yellow Springs, Ohio, 1965, pp. 303-313.

(2) Johnson, G. V., Mayeux, P. A. and H. J. Evans. A cobalt requirement for the symbiotic growth of Azolla filiculoides. Accepted by Plant Physiology.

Riedesel, Marvin L. (1) Young, J. J. and M. L. Riedesel. Waterbath Studies on Field and Captive Citellus lateralis. In Press. Proofs accepted for inclusion in July, 1966 edition Physiological Zoology.

5. Other research projects in progress.

Beakley, John W. (1) In process of being written:

"An evaluation of clean-up efficiency for viable contamination by a class 100 Laminar-Flow clean room".

(2) "Preliminary report on the deposition of nutrients to surfaces by Radac plates".

(3) "Development of high efficiency surface vacuum probe for viable contamination and development of rapid monitor for viable contamination".

Crawford, Clifford S. (1) Completed preliminary work on egg-laying rhythms in crambine moths. My findings were recently submitted for publication.

(2) Further studies are being planned.

Degenhardt, William G. (1) Continued work on N. M. herpetofauna, granted another stipend from research fund to continue work.

(2) Working on the description of Aponomma larvae with M. A. Price of Texas A. & M.

(3) Working on systematics of Pseudacris triseriata, presenting first results at meeting this June.

Dittmer, Howard J. (1) Studies of the root systems of desert plants-emphasis on vascular tissues. Significant quantitative results are being obtained.

Findley, James S. (1) Taxonomic relationships of Myotis occultus and M. fortidens. (completed)
 (2) Mammals of New Mexico (in progress)
 (3) Revision of Pipistrellus hesperus (in progress with G. Traut)
 (4) Zoogeography of Southwestern mammals (in progress)

Fleck, Martin W. (1) Consultant for Electro-Optical systems, Inc., contractor to Manned Space Sciences Division, NASA. Contract NASw-1140 specifies feasibility study of promising stability and gravity (including zero-g) experiments for manned orbiting missions.

Hoff, C. Clayton. (1) Continuing research on pseudoscorpions
 (2) Completed a paper read at the SW&RM Div., AAAS
 (Given again in part 6 below)

Johnson, Gordon V. (1) Enzymes of the glyoxylate cycle in Rhizobia and nodules of legumes.
 (2) The influence of soil contact time on the availability of radiostrontium to plants.

Johnson, William W. (1) Study of locomotor activity and its relationship to mating success in Drosophila melanogaster.

Koster, William J. (1) Problem relating to fossil fish in Texas Lake Channing completed, written, submitted.
 (2) One of fish from Indian Ruins, Navajo Res. area, completed.

Martin, William C. (1) The Flora of New Mexico
 (2) Studies in the Genus Ribes

Potter, Loren D. (1) Plant succession with released grazing on New Mexico range lands., 91 pp mimeo report to Rocky Mountain Forest & Range Experiment Station Coop Research Agreement. \$3500.
 (2) Above being condensed for publication in Journal of Range Management.
 (3) ms. submitted to National Biology Teacher, "A university professor looks at his training."
 (4) ms. in preparation on, "Differential pollen accumulation in water storage tanks."
 (5) ms. in preparation on, "Differential pollen preservation under various aeration and pH."

- Riedesel, Marvin L. (1) NSF Grant No. GB-216. "Evaluation of Physiological Strain during Hibernation and Aestivation" \$28,300, Oct. 15, 1962 - Oct. 14, 1965.
 (2) NSF Grant No. GB-4322 "Physiological Strains During Hibernation and Aestivation" \$2,800, August 17, 1965 - February 17, 1966
 (3) AEC AT(29-2) - 1629 "Effects of Temperature on Biological Distribution of Radioisotopes" \$47,000, January 1, 1963 - January 31, 1966

6. Activities in learned and professional societies.

- Beakley, John W. (1) National Conference on Spacecraft Sterilization Technology, Pasadena, California.
- Crawford, Clifford S. (1) Entomological Society of America, presented paper entitled "Oviposition Rhythm in the Bluegrass Webworm, *Crambus teterrellus*".
 (2) Attended the S.W. and Rocky Mt. Div. meeting of AAAS in Las Cruces.
- Degenhardt, William G. (1) Participated in symposium on lizard ecology, Kansas City, Mo.
 (2) Attended meeting of Amer. Soc. Ichs. & Herps., Lawrence, Kansas.
 (3) Attended meeting of AAAS, Berkeley, California.
 (4) Executive board of New Mexico Herpetological Society, nominations comm.
- Dittmer, Howard J. (1) Member of Exec. Committee AAAS Southwestern and Rocky Mt. Div.
 (2) Attended meeting in Las Cruces May 1-4. President Elect of Division.
- Findley, James S. (1) Board of Directors, American Society of Mammalogists
 (2) Paper read, Annual Mtg. Am. Soc. Mamm., Winnipeg, Canada.
- Fleck, Martin W. (1) Read a paper before Rio Grande Health Physics Society, Santa Fe.
- Hoff, C. Clayton. (1) Membership Committee UNM Sigma Xi.
 (2) Fellowship committee SW&RM Div., AAAS
 (3) Chairman, Nominating Committee, Zoological Section SW&RM Div., AAAS
 (4) Membership committee, New Mexico Academy of Science
 (5) Gave paper on ant distribution at the SW&RM Div., AAAS, New Mexico State University.

Johnson, Gordon V. (1) Presented paper, "Glyoxylate cycle enzymes in rhizobia and nodules of legumes" at meeting of American Society of Plant Physiologists, Pacific Division.

Johnson, William W. (1) Attended Genetics Society of America meetings.

Koster, William J. (1) Associate editor, SWANEWS.

Martin, William C. (1) Chairman, Botanical Section, AAAS, SW (2) Attended annual meeting, May 1-4, 1966, and delivered paper "Comparative studies of the floras of Redondo Peak and Mt. Taylor", AAAS, SW.

Potter, Loren D. (1) Paper at SW Div. of AAAS, "Results of 25-years of protection from grazing on N. M. rangelands.

Riedesel, Marvin L. (1) Attended American Institute of Biological Sciences, August 15-20, 1965, "Thermal Stress as a Factor in Energy Requirements of Small Mammals", Bioenergetics of Animals Symposium, Ecological Society of America, AIBS Meeting, Urbana, Illinois, August 20-21. (2) American Physiological Society, August 23-27, 1965. (3) Third International Symposium on Natural Mammalian Hibernation, September 13-15, 1965. Presented paper: Riedesel, M. L., Yu-Chong Lin, J. J. Young and G. H. Bryan, 1965. "Cesium-137 Distribution in Tissues of Active and Hibernating *Citellus lateralis*", III International Symposium on Natural Mammalian Hibernation, University of Toronto, Sept. 13-16. (4) 11th Annual Bio-Assay & Analytical Chemistry Meeting, October 7-8, 1965. (5) International Symposium on The Effects of Altitude on Physical Performance, March 3-6, 1966. (6) President, New Mexico Society for Biological and Medical Research, 1963-65.

7. Other professional activities.

Beakley, John W. (1) Judge at Regional Science Fair. (2) Consultant, Sandia Corporation.

Degenhardt, William G. (1) Fourth year on committee for selection of Outstanding Biology Teacher of New Mexico. (2) Assisted with TV (5) biology programs. (3) Consultant to National Park Service concerning development of research plan. (4) Accepted request to serve for a two-year term on the Research Advisory Council of Big Bend National Park.

- 77
- Dittmer, Howard J. (1) Visiting Lecturer for NM Academy of Sciences (visited 6 schools)
(2) Judge in NM State Science Fair, Socorro.
(3) Reviewed two manuscripts for American Journal Botany and one monograph for BSCS.

- Fleck, Martin W. (1) Advisor to Commission Nacional de Energia Nuclear of Gutemala, a continuing assignment.
(2) Member of a 5-man evaluation panel for National Science Foundation, Washington, D.C., January 1966.
(3) Two lectures to Aerospace Engineering Class at University of Colorado, April 18, 1966.
(4) Lecturer for Division of Aerospace Medicine and Bioastronautics of Lovelace Foundation for Medical Education and Research - Several assignments.
(5) Represented UNM at AEC-ARMU Conference, Idaho Falls, Idaho, October 25-27, 1965.
(6) Chairman of a Committee to select participants in Youth for Atoms Congress, Chicago, November 20, 1965.
(7) Principal Speaker at Science Fair Awards Banquet, March 26, 1966.
(8) Addressed Heights Optimist Club, Albuquerque, July 7, 1965.
(9) Addressed Highland High School Advanced Biology Class, Albuquerque, July 29, 1965.
(10) Addressed Naval Research Seminar, Geology Bldg., UNM, August 13, 1965.
(11) Radio Address, KGGM, August 13, 1965.
(12) Addressed monthly meeting, N.M. Nurses Assoc., District #1, Albuquerque, Sept. 14, 1965.
(13) Addressed annual meeting of Western States Dairy Council, Albuquerque, Sept. 28, 1965.
(14) Addressed Pi Beta Phi Sorority Scholarship banquet, UNM, October 4, 1965.
(15) Addressed annual banquet N.M. Nurses Assoc., Albuquerque, Dec. 14, 1965.
(16) Addressed Information Seminar conducted jointly by Albuquerque Chamber of Commerce and N. M. State Highway Dept., Albuquerque, Jan. 13, 1966.
(17) Speaker at Regional Convention of Las Campanas, UNM, February 19, 1966.
(18) Spoke to North Valley Optimist Club, Albuquerque, Feb. 28, 1966.
(19) Spoke to monthly meeting of Altrusa Club, Albuquerque, Feb. 22, 1966.
(20) Spoke to Rotary Club, Moriarty, N.M. March 28, 1966.
(21) Spoke to Sunrise Optimists Club, Albuquerque, March 3.
(22) Served as judge for Regional Toastmistress speech contest, Albuquerque, April 16, 1966.
(23) Addressed Women's Auxiliary, Mid-year Legal Institute of Bar Association, Albuquerque, April 22, 1966.
(24) Featured speaker at Boss of the Year Banquet, El Segundo Chapter, American Business Women's Assoc., April 26, 1966.
(25) Speaker for UNM Women's Residence Halls Scholarship awards, May 1, 1966.

Fleck, Martin W. (contd.) (26) Addressed Delta Delta Delta Sorority Scholarship dinner, UNM, May 2, 1966.
 (27) Radio speech, KGGM, May 6, 1966.
 (28) Addressed Albuquerque Rotary Club, May 26, 1966.
 (29) Spoke to annual meeting of N.M. Association of Dental Hygienists, June 1, 1966.

Hoff, C. Clayton. (1) Reviewed applications for research grants at the request of the NSF.
 (2) Identified pseudoscorpions for other investigators
 (3) Judge, Science Fair, NW Section.

Martin, William C. (1) Numerous lectures to local organizations and school groups on New Mexico vegetation.

Potter, Loren D. (1) Director, Radiation Biology Institute for high school and college teachers
 (2) Lecture to Instrumentation Society of America
 (3) Chairman of Spring Meeting of AEC Institute Directors
 (4) Assignment in June-July as consultant for AIDS of U. S. State Dept. to aid establishing science institutes for high school biology teachers in India
 (5) Guest lecturer at Science Seminar, Highlands Univ.

Riedesel, Marvin L. (1) AIBS, Program of Visiting Biologists to Colleges - two visits.
 (2) participant in New Mexico Academy of Science, Program of Visiting Scientists for Junior and Senior High Schools - two visits.
 (3) NASA Office of Technology Utilization consultant

8. Non-teaching University service.

Beakley, John. (1) Advisor (faculty), University College

Crawford, Clifford S. (1) Member, Department of Biology Curriculum Committee.
 (2) Faculty advisor to University College Students.

Degenhardt, William G. (1) University College Advisor
 (2) Curator of Reptiles and Amphibians in Museum of Southwestern Biology
 (3) Advisor to SCUBA Club on Campus.

Dittmer, Howard J. (1) Ass't Dean A & S College
 (2) Member Planning Committee
 (3) Publications Comm.
 (4) Sigma Xi Nominations
 (5) Chairman A & S Scholarship Comm.
 (6) Bot. Soc. of Amer. Funds Comm.
 (7) Bernalillo Land Planning Comm.
 (8) Nomination Comm. Bot. Sec. AAAS SW Division.
 (9) Judge Glamour girl contest
 (10) Judge Miss Spring contest.

Findley, James S. (1) Biology Dept. Curriculum Committee.
 (2) Head, Freedom & Tenure Comm.
 (3) Research Comm.
 (4) Biol Major Advisor
 (5) Commencement marshall
 (6) Coronado Credit Union Board of directors
 (7) Curator, Mammals & Birds, Mus. SW Biology

Fleck, Martin W. (1) Acting Chairman, Biology Dept.,
 Summer 1965.
 (2) Chairman Campus Safety Comm.
 (3) Member Radiological Control Comm.
 (4) Chairman Biology Curriculum Study Comm.
 (5) Member UNM Alumni Board
 (6) Faculty Advisor Pre-Med Club
 (7) Faculty Advisor Indo-American Assoc.

Hoff, C. Clayton. (1) Advisor of majors in Biology
 (2) Charge of Dept. library purchases
 (3) Chairman of Graduate Assistants committee, Dept.
 of Biology.

Johnson, Gordon V. (1) Committee to National Reactor Testing
 Site, Idaho Falls, Idaho.

Johnson, William W. (1) Library Committee + 2 subcommittees.
 (2) Chairman Biology Departmental Seminar Committee
 (3) Phi Sigma Faculty Advisor
 (4) Biology Curriculum Committee
 (5) M-3 Advisor

Koster, William J. (1) Dept. advisor for majors
 (2) Dept. Building Comm.
 (3) Policy Comm.
 (4) Ad hoc on P.E. requirements

Martin, William C. (1) Director, NSF Field Botany Institute
 (2) Member Summer Session committee
 (3) Biology Dept. Building Committee
 (4) Biology Selection Committee for Assistantships and
 Fellowships
 (5) Landscape Committee for new Golf Course
 (6) Curator of the Herbarium
 (7) Sophomore Advisor (A&S)

Potter, Loren D. (1) Member, Technical Applications Center
 (2) Member, Committee on Gifts to Libraries, Museums,
 and Galleries
 (3) Member, Lawrence Ranch Committee
 (4) Member, Advisory Committee on Teacher Education
 (5) Chairman, Powell Lectureship, AAAS
 (6) Advisor, UNM Ski Club

Potter, Loren D. (contd.) (7) Judge, Regional Science Fair
 (8) Advisor of graduate students;
 (9) Design, detailing, and consulting re. biology addition
 (10) Coordinator in Biology for Ford Foundation M-3 program.

Riedesel, Marvin L. (1) Faculty Advisor - 40 undergraduate Biology majors.

9. Public Service.

Beakley, John W. (1) Hoffmantown Baptist Church - Deacon
 S.S. teacher of college men.
 (2) Chairman of Long-Range Planning Committee.

Crawford, Clifford S. (1) Official "Host Family" to a woman student from Uruguay in 1965-66.

Degenhardt, William G. (1) Information on animals and plants, identifications of biota, etc.

Dittmer, Howard J. (1) Talks to local groups
 (2) Answer numerous phone calls and letters concerning gardening, lawns, and technical advice.

Fleck, Martin W. (1) Chairman N. M. Technical Radiation Advisory Council, Appointed by Governor.
 (2) Member Albuquerque Health Advisory Council
 (3) Member Scientific Staff BC-IH
 (4) Vice President Board of Trustess BC-IH

Johnson, Gordon V. (1) Judge in Regional Science Fair.

Johnson, William W. (1) Northwestern Regional Science Fair Judge

Koster, William J. (1) Consulted by state, federal, commercial and private individuals re. aquatic biology.

Martin, William C. (1) Committeeman, Explorer Scouts
 (2) Consultant to Civic Beautification Committee

Riedesel, Marvin L. (1) Chairman, United Campus Christian Fellowship, Local Operating Committee

10. Personal information.

None

The Report of the Department of Chemistry
July 1, 1965 - June 30, 1966
R. N. Castle, Chairman

I. General Departmental Information

A. Significant Achievements during the Academic Year 1965-66.

Six undergraduate chemistry majors received the B.S. degree and eight received the B.A. degree this year.

A nuclear magnetic resonance spectrometer was purchased at a cost of \$33,950.00 with funds from the University administration, the National Institutes of Health and the Allied Chemical Company Foundation. This remarkable research instrument has made it possible to solve research problems impossible a few months ago. This is the first of several major research instruments needed to modernize the research and graduate teaching efforts of this department.

The building committee of the department of which Professor Riebsomer is chairman has produced a detailed program for the proposed addition to the chemistry building.

A committee for the improvement of undergraduate instruction with Professor Daub as chairman has been active. A section of Chemistry 101 for selected students taught at a higher level is planned for semester I, 1966-67.

Committees for improvement of graduate instruction and recruitment of graduate students have been formed.

A research laboratory has been added by conversion of part of the space in Chemistry 207 for Professor Hansen's research students.

B. Significant Plans and Recommendations for the Near Future.

An addition to the staff for the fall of 1967 is required.

An addition to the building for both undergraduate and graduate instructional laboratories as well as space for research is needed without delay. As mentioned above the program of requirements has been completed by the departmental building committee.

C. Appointments to Staff.

Dr. Nicholas E. Vanderborgh has been appointed to the staff effective September, 1966 in order to improve our offerings in analytical chemistry. Dr. Vanderborgh received the Ph.D. degree at Southern Illinois University and will have completed two years as a post-doctoral research fellow at the University of Minnesota.

D. Separations from Staff.

None.

II. Composite of Information Requested on Individual Biographical Supplements.

1. Advanced Study.

- a. DONALD R. McLAUGHLIN: Ph.D. University of Utah, June 1965. Title of dissertation: Significant Structure Liquid Theory: Techniques and Application to Molecules Exhibiting Hindered Rotation in the Condensed Phases.

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

- a. GLENN A. CROSBY: Traveled in London, England and Paris, France; visited universities and laboratories engaged in related research.
- b. GUIDO H. DAUB: Traveled to Mainz, Germany and Paris, France in June 1965.
- c. DONALD R. McLAUGHLIN: ARMJ faculty orientation participant at Los Alamos, summer 1965.
- d. JESSE L. RIEBSOMER: Visited Mexico City.

3. New Scholastic Honors, Fellowships, etc.

None.

4. Publications.

- a. RAYMOND N. CASTLE:

- (1) Imidazo[4,5-d]pyridazines. IV. Synthesis of 4,7 Disubstituted Derivatives and 1-Benzyl-2-substituted Thio Derivatives, J. Heterocyclic Chem. 2, 247 (1965) (6 pages) (with G. A. Gerhardt and D. L. Aldous).
- (2) 2-(3-Mercaptoethyl)benzimidazoles, J. Heterocyclic Chem. 2, 306 (1965) (2 pages) (with G. A. Gerhardt).
- (3) Imidazo[4,5-d]pyridazines. V. The Reaction of Methylthioimidazo[4,5-d]pyridazines with Chlorine in Methanol, J. Heterocyclic Chem. 2, 321 (1965) (2 pages) (with D. L. Aldous).

-4-

- (4) Cinnoline Chemistry. XII. The Synthesis of 6-Fluoro-4-methylcinnoline and other Cinnolines as Potential Antitumor Agents, J. Heterocyclic Chem. 2, 459 (1965) (4 pages) (with K. Adachi and W. D. Guither).
 - (5) Pyridazines. III. The Synthesis of Substituted Pyridazines, J. Heterocyclic Chem. 2, 463 (1965) (10 pages) (with K. Kaji).
 - (6) Synthesis of Alkylaminoethanethiolsulfuric Acids Substituted with Heterocyclic Moieties, J. Heterocyclic Chem. 3, 74 (1966) (5 pages) (with G. M. Singerman, R. Kimura, J. L. Riebsomer).
 - (7) The Reaction of Phosphorus Pentasulfide with Halogen-substituted Nitrogen Heterocycles, J. Heterocyclic Chem. 3, 79 (1966) (5 pages) (with K. Kaji, G. A. Gerhardt, W. D. Guither, G. Weber, M. P. Malm, R. R. Shoup and W. D. Rhoads).
 - (8) "Phenylimidazo[4,5-d]pyridazines," by Raymond N. Castle, U.S. Patent 3,244,715, April 5, 1966.
 - (9) "The Synthesis of Pyridazines and Related Nitrogen Heterocycles as Potential Explosive Agents," by Raymond N. Castle, Final Report, Sandia Contract No. 13-7663, 7 pages, 1965 report.
 - (10) "Synthesis of Pyridazines as Antitumor Agents," by Raymond N. Castle, 4-year report to the National Institutes of Health on Grant No. CA-02652-08-11, 19 pages plus 4 appended publications totaling 21 pages covering the period March 1, 1962 - February 28, 1966.
 - (11) "The Synthesis of Alkylaminoethanethiols Substituted with Heterocyclic Moieties and Their Derivatives," 67 pages, final report on Contract No. DA-49-193-MD-2649, Walter Reed Army Institute of Research.
- b. ROY D. CATON, JR.:
- (1) Spectrophotometric Determination of Some Transition Metals Dissolved in Metaphosphate Glasses (submitted to Anal. Chem.)
- c. GLENN A. CROSBY:
- (1) Luminescence from Transition-Metal Complexes: Tris(2,2'-bipyridine)- and Tris(1,10-phenanthroline)Ruthenium(II), J. Chem. Phys. 43, 1498 (1965) (6 pages) (with W. G. Perkins and D. M. Klassen).
 - (2) "Luminescent Organic Complexes of the Rare Earths," a review, Molecular Crystals 1, 37 (1966) (44 pages).
 - (3) Intramolecular Energy Transfer in Osmium(II) Complexes, accepted for publication in Molecular Crystals, (4 pages) (with D. M. Klassen).
 - (4) Optical Excitation of Transition-Metal Ions Via Intramolecular Energy Transfer," to be published in Journal de Chimie Physique.

- (5) Spin-Orbit Coupling in Naphthalene Analogs, in preparation, with F. E. Shoup.
- (6) Photoluminescence, in preparation.
- d. GUIDO H. DAUB:
- (1) Liquid Scintillators. XIII. Steric Inhibition of Resonance in Liquid Scintillators; J. Heterocyclic Chem. 2, 181 (1965) (7 pages) (with R. L. Taber, F. N. Hayes and D. G. Ott).
- e. LEE DUANE HANSEN:
- (1) pK , ΔH° , and ΔS° Values for Proton Ionization from $[1,12-B_{12}H_{10}(COOH)_2]^{2-}$, Inorg. Chem. 5 69 (1966) (5 pages)
- (2) Entropy Titrations, J. Phys. Chem., In Press.
- (3) Proton Ionization from Sugars, J.A.C.S., In Press.
- f. MILTON KAHN:
- (1) The Kinetics of Isotopic Exchange of Chlorine Atoms between Hydrochloric Acid and *p*-Nitrobenzyl Chloride in Water-Dioxane Mixtures, Solvent Effects, J.A.C.S., 87, 2800 (1965) (6 pages).
- (2) Annual A.E.C. Progress Report No. 7 - Contract No. AT(11-1)-733, 48 pages for the period March 1, 1965 to March 1, 1966.
- (3) Lawrence Radiation Laboratory Progress Report No. 2. 28 pages.
- g. MIRIAM P. MAIM:
- (1) The Reaction of Phosphorus Pentasulfide with Halogen-substituted Nitrogen Heterocycles, J. Heterocyclic Chem. 3, 79 (1966) (5 pages).
- h. DONALD R. McLAUGHLIN:
- (1) Significant Structures Theory of Molecules Having Hindered Inter-molecular Rotation in the Condensed Phases, accepted for publication by The Proceedings of the National Academy of Sciences.
- i. JESSE L. RIEBSOMER:
- (1) Synthesis of Alkylaminoethanethiolsulfuric Acids Substituted with Heterocyclic Moieties, J. Heterocyclic Chem. 3, 74 (1966) (5 pages) (with G. M. Singerman, R. Kimura, and R. N. Castle).
- j. BRUCE D. WEST:
- (1) Comparison of the Biological Activities of the Optical Isomers of Warfarin, J. N. Etk, Biochemical Pharmacology, In Press, (with K. P. Link).

5. Other Research Projects or Creative Work in Progress or Completed during the Period.

a. RAYMOND N. CASTLE:

- (1) The Synthesis of Pyridazines and Related Nitrogen Heterocycles as Potential Explosive Agents, Sandia Contract No. 13-0565, June 1, 1965 - July 31, 1966, \$43,004. Dr. G. M. Singerman, L. M. DiStefano, and D. Pichler work on this contract.
- (2) The National Institutes of Health Grant on the synthesis of pyridazines as antitumor agents has been renewed at \$20,160 per year from Feb. 1, 1966 - Jan. 31, 1967. D. Wise and H. Murakami work on this project.
- (3) The National Institutes of Health Grant entitled Cinnolines and Polyanaphthalenes as Antitumor Agents has been continued at \$19,440 from the period June 1, 1965 - May 31, 1966. A renewal in the amount of \$19,440 beginning June 1, 1966 - May 31, 1967 has been approved. Drs. T. Nakagome and N. R. Patel work on this project.
- (4) A project entitled "The Synthesis of Alkylaminoethanethiols Substituted with Heterocyclic Moieties and Their Derivatives" has been completed (Dec. 31, 1965) with \$43,007 from the Walter Reed Army Institute of Research.

b. ROY D. CATON, Jr.:

- (1) Sandia Corporation, The Electrochemistry of Some Transition Metals and Lanthanides Dissolved in Molten Alkali Metaphosphates, July 1, 1964 - July 1, 1966. Grant renewed for 1966-1967.
- (2) Oxidation States of Vanadium and Manganese in Molten Alkali Metaphosphates (with Clinton R. Wolfe).
- (3) Standard Electrode Potentials of Transition Metals Dissolved in Molten Alkali Metaphosphates (with Clinton R. Wolfe).
- (4) Polarography of Rare-earth Chelates Dissolved in Non-aqueous Solvents (with Samuel L. Jeanjaquet).

c. GLENN A. CROSEY:

- (1) Fundamental Investigations of Luminescent Materials, Air Force Office of Scientific Research, \$83,922/2 years, 1965-67.
- (2) Work in progress:
 - a) electronic spectroscopy of metals in inorganic matrices.
 - b) electronic spectroscopy of transition-metal complexes of: Ru^{2+} , Os^{2+} , Co^{3+} , Ru^{3+} , Rh^{3+} , Ir^{3+} .

-7-

d. GUIDO H. DAUB:

- (1) Liquid Scintillators. Steric Effects, p-quaterphenyls.
- (2) Liquid Scintillators. Trans-Stilbenes, Steric Effects.
- (3) Liquid Scintillators. Effects of Ultraviolet Light Irradiation on Liquid Scintillators. Photooxidation of PPO.
- (4) Grant: continuation of grant from U.S.A.E.C. for period of Sept. 15, 1965 to Sept. 14, 1966 in amount of \$27,000. Project: The synthesis and properties of compounds which may be used as scintillator solutes in liquid scintillators.

e. LEE DUANE HANSEN:

- (1) Construction of a combination solution and combustion calorimeter.
- (2) Determination of pK values for proton ionization from nitrogen heterocycles.

f. MILTON KAHN:

- (1) Chemical Behavior of Carrier-Free Iodine-131 (with M. S. Reynolds). Manuscripts in preparation.
- (2) The Kinetics of Isotopic Exchange of Iodine Atoms between p-Nitrobenzyl Iodide and Potassium Iodide. Solvent Effects. (with H. L. Hamester). Manuscript in preparation.
- (3) The Preparation of Dilute, Dry, Non-aqueous Solutions of Molecular Iodine Enriched with Iodine-131 (with G. Van De Steeg). Manuscript in preparation.
- (4) Electrochemical Oxidation of Carrier-Free Iodide-131 (with Darryl Jackson). Work in progress.
- (5) The Kinetics of Isotopic Exchange of Iodine Atoms between Tetra-butylammonium Iodide and Methyl Iodide in Nitrobenzene - Carbon Tetrachloride Mixtures (with Chien-chang Lin). Work in progress.
- (6) The Kinetics of Isotopic Exchange of Iodine Atoms between Molecular Iodine and Heterocyclic Nitrogen Compounds Containing Iodine Atoms (with J. H. Winkler and R. N. Castle). Work in progress.
- (7) Recovery of Iodine-131 Incorporated in Soil and Organic Material as a Result of a Nuclear Detonation. Work in progress.
- (8) Grants Received:
 - (a) Atomic Energy Commission, \$23,070. "Behavior of Carrier-Free Tracers and the Kinetics of Isotopic Exchange Reactions" 1965-1966. Sixth year for a total of \$129,567.00.
 - (b) University of California, Lawrence Radiation Laboratory, \$2,919. "Recovery of Iodine-131 Incorporated in Soil and Organic Material as a Result of a Nuclear Detonation," September 15, 1965 - January 15, 1966.

g. BRUCE D. WEST:

- (1) Detoxication of the Stereoisomers of Warfarin, National Institutes of Health, \$17,700 first yr., 4 yrs. requested (newly received).

6. Activities in Learned and Professional Societies.

a. RAYMOND W. CASTLE:

- (1) Presided at the Organic Division of "Noveno Congreso Latinoamericano de Quimica," San Juan, Puerto Rico, August 1-8, 1965. Presented three papers at this meeting.
- (2) Presented a paper at the New Mexico Academy of Science, October 9, 1965, Las Vegas, N.M.
- (3) Coauthor of a paper at the combined New Mexico Academy of Science and AAAS meeting, Las Cruces, N.M., May 2, 1966.
- (4) Organized a radiochemistry symposium on radiochemistry at the New Mexico Academy of Science - AAAS meeting, May 2, 1966.
- (5) Attended the National Meeting of the American Chemical Society in Atlantic City, N.J., September 11-15, 1965. (Attended a special meeting of departmental chairmen, Sept. 11 at the above ACS meeting to discuss problems in undergraduate instruction in chemistry in the United States).
- (6) Attended the National American Chemical Society Meeting in Phoenix, Arizona, January 16-20, 1966.
- (7) Attended the National American Chemical Society Meeting in Pittsburgh, Pa., March 27 - April 1, 1966.
- (8) Attended the Western Regional Meeting of the American Chemical Society, Los Angeles, Calif., November 17-20, 1965.
- (9) President, New Mexico Academy of Science, 1966.
- (10) Member, New Mexico State Board of Examiners in the Basic Sciences.
- (11) Attended the Seventh Annual Symposium in Medicinal Chemistry, Topic, Nucleosides and other Heterocycles, May 22-25, 1966, Buffalo, N.Y.
- (12) Advisor, New Mexico Section of the American Cancer Society.

b. ROY D. CATON, JR.:

- (1) Presented paper before the New Mexico Academy of Science, October 1965: A Reference Electrode for Electromotive Force Measurements in Molten Alkali Metaphosphates.
- (2) Member American Chemical Society, Sigma Xi, The Electrochemical Society, American Association for the Advancement of Science, Kappa Delta Pi.

c. GLENN A. CROSBY:

Attended the following meetings and presented the indicated professional papers:

- (1) International Symposium on Molecular Structure and Spectroscopy, Ohio State University, Columbus, Ohio, June 14-17, 1965.
- (2) Symposium on Organic Solid State, Franklin Institute, Sept. 20, 1965, invited speaker, "Luminescent Compounds."
- (3) New Mexico Academy of Science Meeting, Las Vegas, N.M. Oct. 8, 1965, 2 talks, "Luminescence from Transition-Metal Complexes: Tris(2,2'-bipyridine)- and Tris(1,10-phenanthroline)Ruthenium(II)" (with D. M. Klassen), and "Intramolecular Spin-Orbit Coupling in Naphthalene Analogs."
- (4) AAAS Symposium on Recent Developments in Energy Transfer, Berkeley, Dec. 29, 1965, invited speaker, "Intramolecular Energy Transfer and Luminescence of Transition-Metal Complexes."
- (5) SW and Rocky Mt. Regional Meeting, AAAS, Las Cruces, N.M., May 2, 1966, "Luminescence from Transition-Metal Complexes" (with D. M. Klassen).

d. GUIDO H. DAUB:

- (1) Vice president - New Mexico Chapter of Sigma Xi.
- (2) Member: Sigma Xi, Phi Kappa Phi, Phi Lambda Upsilon, ACS, AAAS (Fellow), Blue Key.

e. LEE DUANE HANSEN:

- (1) Paper read at Los Angeles American Chemical Society meeting, November, 1965.
- (2) Paper read at Pittsburgh American Chemical Society meeting, March, 1966.

f. MYLTON KAHN:

- (1) Attended (on invitation) the International Atomic Energy Agency Sponsored Symposium on Exchange Reactions at Brookhaven National Laboratory, May 31 - June 4, 1965.
- (2) The following papers were presented before the Forty-Second Annual Meeting of the Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science (May 1-4, 1966; at Las Cruces, N.M.):
 - a) The Isotopic Exchange of Iodine Atoms between 3,6-Diiodopyridazine and Molecular Iodine (with J. H. Winkler and R. N. Castle);
 - b) The Preparation of Dilute, Dry, Nonaqueous Solutions of Molecular Iodine Inoculated with Iodine-131 (with Garet E. Van De Steeg).
- (3) Presided over the Radiochemistry Symposium Sponsored by the AAAS at Las Cruces, N.M., May 2, 1966.
- (4) Elected Alternate Councilor for the Central New Mexico Section of the American Chemical Society.
- (5) Member of Admissions Committee of Sigma Xi.

g. MERIAM P. MAIM:

- (1) Ladies' Program Chairman for the 22nd Southwest Regional Meeting of the American Chemical Society to be held from 11/30/1966 to 12/2/1966.
- (2) Promoted from Associate Member of the Society of Sigma Xi to full membership.

h. JESSE L. RIBBSOMER:

- (1) Attended National Meeting, American Chemical Society, April 1966.
- (2) Attended meeting of the New Mexico Academy of Science, Albuquerque, N.M., October 1965.

7. Other Professional Activities.

a. RAYMOND N. CASTLE:

- (1) Served as a consultant to the Food and Drug Administration and testified at the "Krebiozen" trial, July 14-16, 1965, Chicago, Ill.
- (2) Refereed 1 article in French for the Canadian Journal of Chemistry.
- (3) Editor, Journal of Heterocyclic Chemistry.

b. GLENN A. CROSBY:

- (1) Presented a talk at Villanova Univ., Dept. of Chemistry, Sept. 21, 1965, "Intramolecular Energy Transfer."
- (2) Presented a talk at the Chemstrand Research Colloquium, Sept. 23, 1965, "Polarized Phosphorescence of Naphthalene Analogs."

-11-

- (3) Duke-North Carolina Joint Chemical Physics Colloquium, Sept. 24, 1965, "Intramolecular Energy Transfer."
- (4) New Mexico State Univ., Dept. of Chemistry, March 10, 1966, "Intramolecular Energy Transfer."
- (5) Consultant to:
 - Chemstrand Research Laboratory, Durham, N.C.
 - Institute for Defense Analysis, Washington, D.C.
 - Los Alamos Scientific Laboratory
 - Sandia Corporation
 - Space Technology Laboratories, Quantum Physics Division, Redondo Beach, Calif.
- (6) Refereed for following scientific journals:
 - 7 articles for the Journal of Chemical Physics.
 - 4 articles for Inorganic Chemistry.
 - 2 articles for Journal of Physical Chemistry.
 - 1 article for the Journal of Molecular Spectroscopy.
- (7) Refereed for following granting agencies:
 - 4 proposals for the National Science Foundation.
 - 3 proposals for the U.S. Army Research Office - Durham.
 - 1 proposal for the American Chemical Society Petroleum Research Fund.

c. GUIDO H. DAUB:

- (1) Lectured to the Organic Chemistry Institute of the University of Mainz, Mainz, Germany on June 22, 1965. Title: Steric Inhibition of Resonance in Liquid Scintillators.
- (2) Lectured and discussed phases of my liquid scintillator work with chemistry staff at E. Merck Co., Darmstadt, Germany on June 28, 1965.
- (3) Delivered chemistry demonstrations and talk to Cub Scout Pack #8 at November, 1965 meeting.
- (4) Lectured and gave demonstrations to all 5th and 6th grade students at Alvarado School in January 1966.

d. MILTON KAHN:

- (1) Consultant to University of California Lawrence Radiation Laboratory.
- (2) Invited talk at the Chemistry Department, New Mexico State University, May, 1965.
- (3) Refereed:
 - a) 1 article for the Journal of Inorganic Chemistry;
 - b) 1 article for the Canadian Journal of Chemistry.

-12-

e. JESSE L. RIEBSOMER:

- (1) Assistant Editor of Journal of Heterocyclic Chemistry.

f. VICTOR V. SEARCY:

- (1) Off Campus talks on travels.

8. Non-teaching University Service.

a. RAYMOND N. CASTLE:

- (1) Chairman - Patent Policy and Contract Research Committee.
- (2) Faculty Advisor for juniors, seniors and graduate students in chemistry.
- (3) Member, Departmental Graduate Curriculum Committee.

b. ROY D. CATON, JR.:

- (1) Faculty Advisor to University College.
- (2) Member Curricula Committee.
- (3) Member Scholarship Committee.
- (4) Member Committee for the Improvement of Undergraduate Teaching.
- (5) Concluded work on course improvement and incorporation of equipment purchased from funds received from the National Science Foundation, Special Projects in Science Education for Undergraduate Instructional Equipment (\$17,000 NSF - \$17,000 matching funds from the University of New Mexico).
- (6) Chairman of departmental committee for the Improvement of chemistry teaching assistant instruction.
- (7) Member departmental committee on graduate curriculum.
- (8) Departmental civil defense director.
- (9) Surplus equipment director for chemistry department.
- (10) Faculty sponsor for UNM Mountaineering Club.

c. GLENN A. CROSBY:

- (1) Chairman, UNM-Sandia Colloquium Committee and UNM Science Colloquium Committee.
- (2) Member, NSF Summer Fellowship Evaluation Committee.

- (3) University College Advisor.
 - (4) Departmental Graduate Curriculum Committee.
 - (5) Departmental Graduate Assistant Teaching Improvement Committee.
 - (6) Supervising physical chemistry laboratory, updating curriculum and renovating equipment.
- d. GUIDO H. DAUB:
- (1) Chairman, Athletic Council.
 - (2) Engineering Doctorate Committee.
 - (3) Faculty Representative to Western Athletic Conference.
 - (4) Chairman of Western Athletic Conference Council.
 - (5) UNM and WAC Delegate to NCAA, annual meetings, January, 1966.
 - (6) Member of Graduate School's Committee on Financial Aid to Graduate Students.
 - (7) Faculty Advisor to Junior and Senior Chemistry Majors (A & S).
- e. MILTON KAHN:
- (1) Member of Woodrow Wilson National Fellowship Foundation Committee.
 - (2) Member of Policy Committee (College of Arts and Sciences Representative).
 - (3) Member of Graduate Committee.
 - (4) Member of Ad Hoc Committee on Radiological Control.
 - (5) Member of Ad Hoc Committee on Visiting Committees.
 - (6) Member of Sub-Committee of the Graduate Committee: Admissions Standards, Procedures, and Quality Safeguards.
 - (7) Member of Departmental Committee on Freshman Chemistry Courses.
 - (8) Member of Departmental Building Committee.
 - (9) Advisor to Honor Students.
- f. MIRIAM P. MAIM:
- (1) Secretary for the Faculty Meeting of the Chemistry Department.
 - (2) Member of Committee on Organic Laboratories.
 - (3) Member Stockroom Committee.

g. DONALD R. McLAUGHLIN:

- (1) Student faculty advisor for University College.
- (2) Chairman of Departmental Committee on Prospective Graduate Students.

h. JESSE L. RIEBSOMER:

- (1) Chairman, Departmental Building Committee.
- (2) Advisor to Sophomore Chemistry Majors.

i. VICTOR V. SEARCY:

- (1) Faculty Advisor for University College.

j. BRUCE D. WEST:

- (1) Faculty Advisor for University College.

9. Public Service.

a. RAYMOND N. CASTLE:

- (1) High Councilman in the Albuquerque Stake of the Church of Jesus Christ of Latter-Day Saints.
- (2) Chairman of the Albuquerque Stake, Boy Scout Committee of the Church of Jesus Christ of Latter-Day Saints.

b. GLENN A. CROSBY:

- (1) "Reverberations in Thought. Scientific Revolutions in the Twentieth Century." Lecture Unitarian Church, October 10, 1965.
- (2) Public understanding of science - science demonstrations (3), 7th, 8th, and 9th grades, Jefferson Junior High School, Feb. 21, 1966; 5th grade, Monte Vista Elementary School, Feb. 21, 1966.
- (3) Boy Scout Tour of Chemistry Building, Dec. 2, 1965.
- (4) Mentor for Science Fair projects.
- (5) High School Advisor, Fall, 1965, First Unitarian Church.

c. GUIDO H. DAUB:

(1) Teacher, Sr. High Sunday Church School at Covenant Presbyterian Church.

(2) Elder and Member of Session of Covenant Presbyterian Church.

(3) Asst. Cubmaster of Cub Scouts Pack #8.

d. LEE DUANE HANSEN:

(1) Boy Scout Committee Member.

e. MIRIAM P. MAIM:

Active Member of the Presbyterian Church.

f. VICTOR V. SEARCY:

(1) Active in Church.

10. Personal Information.

None.

Report of the Department of Economics

July 1, 1965 - June 30, 1966

Nathaniel Wollman, Chairman

I. General departmental information

A. Significant achievements during academic year.

1. Teaching Program

Considerable progress was made in formulating the Ph.D. program to begin September 1966. Changes in the master's degree and undergraduate major requirements were also studied, in order to assure a coherent relationship among all three levels. Conclusions tentatively reached include the following:

- (1) for the Ph.D. - minimum requirements include one foreign language, mathematics, economic theory (micro and macro), mathematical economics, and econometrics, plus two or three other fields.
- (2) for the M.A. - substitution of Plan II for Plan I; increase in mathematical and theoretical components; withdrawal of graduate credit from certain upper division courses that now carry such credit.
- (3) for the undergraduate major - increase in mathematics requirements and further specification of required upper division courses.

Discussions were held with the mathematics department regarding

possible new courses for graduate and undergraduate students in economics and other social sciences.

A submission was made for establishing eligibility for participating in NDEA fellowships.

2. Research Program

(a) The research project on the Colorado River Basin with the Public Health Service was more or less completed. A final report will be issued by Professor Udis, now at the University of Colorado. Professor Therkildsen completed his share of the study during the summer of 1965.

(b) The NSF project under Professor Bower moved to completion. A final report is to be issued during the summer of 1966.

(c) Professor Wollman returned from Chile in December 1965 after having completed a draft of his study. The final manuscript is scheduled for completion by June 30, 1966. Resources for the Future has supported this work.

(d) The University participated in an inter-university research proposal to be supported by the Office of Water Research of the Department of the Interior. Direction of this study rests with the Institute of Water Resources Research of New Mexico State University. Participants at UNM include the law faculty and economics department. Professor DePass will direct the economics part.

(e) At the invitation of the Department of Health, Education, & Welfare, Professor Therkildsen has submitted a

proposal for an economic evaluation of certain aspects of the public welfare program. It is expected that work under this project will begin the summer of 1966.

(f) Resources for the Future has made a grant to the University of \$51,000 to revise the study of the supply of and demand for water in the United States. Completion date is September 1967. This work is being done by Professor Wollman with the assistance of Mr. Bonem.

Other research activity is discussed under II, below.

B. Significant Plans and Recommendations

In addition to plans for necessary new courses for the doctorate the department expects to initiate a departmental seminar open to graduate students and qualified undergraduates. The possibility of incorporating into the Ph.D. program courses offered by other departments and colleges will be studied.

A major problem to be studied in 1966-67 is the method of teaching the principles course (200-201) with the objectives of using graduate students (especially NDEA fellows) and making better use of teaching materials. A lecture, laboratory, quiz section system will be studied. Such a system was used some years ago. The results were good, but its success depended upon an adequate supply of competent graduate students.

It is expected that a proposal will be made to the Office of Education for a summer institute in the teaching of economics in the public schools for the Summer of 1968. This would be offered with the collaboration of the College of Education. A

proposal was made for the Summer of 1967, but was not approved.

Steps will be initiated to bring into closer working relationship the Bureau of Business Research and the Department of Economics. Such integration is desirable in view of the heavy commitment of the Bureau to economic research and the need for relating research activities of members of the department and its graduate students to the research program of the Bureau.

C. Appointments to staff

Sanford Cohen, Professor, September 1966.

Tracy W. Murray, Assistant Professor, September 1966.

Calvin L. DePass, Assistant Professor, June 1966.

Joan Sato, Assistant Professor, September 1966.

D. Separations from staff

Blair Bower, Consulting Professor in Economics and Engineering, October 1965.

II. Composite of information requested on individual biographical supplements

1. Advanced study:

Professors Liepe and Parker continued research and writing on doctoral dissertations. Professor Parker anticipates completion during 1966-67.

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc. during the period:

Professor Wollman was on leave during Semester I, 1965-66, for research in Chile under auspices of Resources for the Future, Inc.

3. New scholastic honors, fellowships, etc.

Professor Hufbauer was awarded a Ford Foundation Faculty Fellowship for 1966-67.

4. Publications:

HAMILTON, DAVID

"The Great Wheel of Wealth," American Journal of Economics and Sociology, July 1965.

"The Technological Basis of The Secular Drift of the Consumption Functions," Western Economic Journal, Summer, 1965 (Abstract, pp. 322-323).

LIEPE, WOLFRAM

"Mexican Economic Policies and Their Influence on Growth and Balance of Payments in Recent Years," Rocky Mountain Social Science Journal, April, 1966, pp. 4-14.

CHUNG, PHAM

"Foreign Exchange Policies of Viet Nam After Independence 1955-1963." Review of Economics & Law, University of Saigon, No. 5, August 1965.

"The National Bank of Viet Nam: Its Organization, Operations and Policies, 1955-1964" (70 pages) scheduled for publication in the Review of Economics & Law (1966).

"A Brief History of Viet Nam's Currency and Currency Standards prior to Independence" (40 pages) also scheduled for publication in the same Review (1966).

HUFBAUER, GARY CLYDE

Synthetic Materials and the Theory of International Trade, Gerald Duckworth & Co., Ltd. (London) and Harvard University Press, publication anticipated for May 28, 1966.

5. Other research projects or creative work in progress or completed during period:

WOLLMAN, NATHANIEL

Study on economics of water resources use in Chile for Resources for the Future, to be completed June 1966.

Revision of study of U.S. Supply of and Demand for Water for Resources for the Future under grant of \$51,000 and to be completed September 1967.

LIEPE, WOLFRAM

"Mexico, Economic Outlook, 1965-1970," mimeo, completed in August 1965 under a consultation arrangement with W.R. Grace and Co., New York. Fee was \$1500 and duration of project was about 1½ months.

THERKILDSEN, PAUL T.

"The Economics of Outdoor Recreation in the San Juan and the Upper Main-Stem Sub-Basins of the Colorado River Basin" for the Public Health Service, third year of a three year contract. Benefit-Cost Analysis of Selected Phases of Public Welfare Programs, under contract with Dept. of HEW. Amount of Contract about \$125,000.

CHUNG, PHAM

Money, Banking and Income: Theory and Policy (about 750 pages) under contract with The World Publishing Company, Cleveland, Ohio. Preliminary edition scheduled for the fall of 1967.

HUFBAUER, GARY CLYDE

"Direct Investment and the U.S. Balance of Payments," study in progress for the U.S. Treasury Department.

PARKER, ALFRED L.

Alternative Uses of Water -- Steam-Electric Power Production vs. Irrigation, Bureau of Business Research, July 21, 1965. (In progress) Design for New Mexico Technical Services Program. Preparation of 5 year and 1 year plan in support of Public Law 89-182. The State Technical Services Act of 1965.

6. Activities in learned and professional societies:

HAMILTON, DAVID

Read paper "The Economics of Food in a Mass-Consumption Society," at the February 1966 meeting of the College Teachers of Food and Nutrition Association; Program Chairman for Economics Section Rocky Mountain Social Science Assoc., Spring, 1966. (Meeting at Fort Collins, Colorado); Member of Executive Committee Association for Evolutionary Economics. Elected Dec. 1965; Member Executive Council Rocky Mt. Social Science Association. Elected May 1966.

LIEPE, WOLFRAM

"Import Substitution as an Industrialization Strategy," discussion of a paper by John H. Powers, 8th World Conference of the Society for International Development, New York, March 16-18, 1966.

THERKILDSEN, PAUL T.

Conference on The Use of Economics in Programs for Preparing Educational Leaders, "University Council for Educational Administration.

Paper: "An Approach to the Study of Economics for Educational Administration, Jan. 1966.

American Economic Association annual meeting in New York, Dec. 1965 - attended.

HUFBAUER, GARY CLYDE

Paper delivered on "The Infant Industry Argument" to the Western Economics Association, August 1965.

Discussant of a paper on "Mexican Monetary Policy" at the Southwestern Economics Association, April 1966.

7. Other Professional Activities

WOLLMAN, NATHANIEL

Participant in meeting on Transfer of Technology from Developed to Underdeveloped Countries, sponsored by Howard University under grant from U.S. Air Force Office of Research; Consultant to Office of Education as member of panel for the selection of institutes in economic education for Summer of 1967;

Testified before Senate Committee on Interior and Insular Affairs on behalf of S.3107.

HAMILTON, DAVID

Read a paper at the First Unitarian Church in a series of Technology and Changing Society (November, 1965).

THERKILDSSEN, PAUL T.

Reader for the University of New Mexico Press.

Closer Look, TUKOB - panelist.

Speaker, St. Marks on the Mesa.

Conference on Aging, New Mexico - Resource person.

State Department of Development - Consultant.

Bernalillo Economic Opportunity Program - Consultant.

CHUNG, PHAM

Appeared on NBC-TV (1965) for an Analysis of the Stock Market; and on KNME-TV (1965) for an Analysis of the Silver Problem. Member of several panel discussions on U.S. Foreign Policy in General, and in the Far East in Particular (1965-1966).

PARKER, ALFRED L.

Summer 1965 - Consultant New Mexico Interstate Program Commission.

3. Non-Teaching University service

HAMILTON, DAVID

On Board of Division of Government Research.

LIEPE, WOLFRAM

Member of Curricula Committee; University College Advisor.

THERKILDSSEN, PAUL T.

Student Affairs Committee

Graduate Fellowship Committee

THE UNIVERSITY OF NEW MEXICO
Albuquerque

The Report of the Department of English
July 1, 1965 - June 30, 1966
Dudley Wynn, Acting Chairman

I. General Departmental Information

A. Significant achievements during the academic year 1965-66

1. CURRICULAR CHANGES

The new course added for English majors one year ago (English 250: Approaches to Literature) appears to be developing satisfactorily. The demand for the course has exceeded expectations.

English 477, The Eighteenth Century, has been split into two three-hour courses: English 473, Age of Swift and Pope, 1700-1744; and English 474, Age of Johnson, 1744-1798.

A new course has been added, English 537-538 (1,1), Teaching Composition, to be required of all teaching assistants in the department who have not had two years of college teaching experience. The subject matter of the two semesters is divided into problems in teaching the reading; and writing of the expository essay and problems in teaching literary analysis and the critical essay. The small amount of credit for the course is meant to prevent undue emphasis upon the pedagogical in the course work of candidates for the higher degrees in English.

Report of the Department of English
July 1, 1965 - June 30, 1966

2. ENROLLMENT TRENDS, SEMESTER I (SEE APPENDIX FOR DETAILS)

	<u>1962-63</u>	<u>1963-64</u>	<u>1964-65</u>	<u>1965-66</u>
Freshman writing	2047	2275	2759	3200
LD Wrtng. & Ling.	443	456	465	375
LD Literature	911	1006	1047	1211
UD & Graduate	415	653	807	933
General Studies	72	70	81	69
English OLO	267	247	228	212

ENROLLMENT TRENDS, SEMESTER II

	<u>1962-63</u>	<u>1963-64</u>	<u>1964-65</u>	<u>1965-66</u>
Freshman writing	1561	1543	2007	2420
LD Wrtng. & Ling.	413	452	404	346
LD Literature	771	966	1144	1256
UD & Graduate	680	769	788	1036
General Studies	45	69	51	43
English OLO	458	480	526	359

The figures above show increases and decreases at the most desirable points; that is, one is properly gratified to see enrollments go down in English OLO, Review English (non-credit), and up in Upper Division and Graduate level work.

Freshman writing courses show, over the three-year period, increases of approximately 60 per cent and 50 per cent in Semesters I and II, respectively. This percentage of increases reflects the increase in the size of the freshman class. Lower Division literature courses, in the three years, show increases of 33 per cent and 9. per cent, respectively. Upper Division and Graduate level courses show increases of approximately 125 per cent and 56 per cent in the two semesters of the three year period.

This is the pattern predicted by the department's ad hoc planning committee a year or so ago. The Department of English is no longer only a "service" department meeting the needs of all departments and colleges at the Lower Division level. The department has its share of undergraduate majors and is one of the strongest and largest of the departments at the Graduate School level. In the past two years, one professor and eleven assistant professors have had to be added to the department to meet this demand for Upper Division and Graduate level offerings. Fortunately, the load in freshman writing courses falls heavily upon teaching assistants, who are also seeking advanced degrees in English. The result is that, as Lower Division enrollments expand, prospective graduate students of high quality are attracted to the department and may find part-time employment there. Nationwide competition, however, for good graduate students who can also teach Lower Division courses, is becoming very severe; our salaries at this level must be pushed upward very rapidly if we are to continue to attract desirable candidates.

5. THE CAREER SCHOLAR PROGRAM

The Career Scholar Program for the department terminated in June, 1966, after five years of operation under Ford Foundation sponsorship.

Completing their work in the program were the following graduate students:

<u>Student</u>	<u>Tutor</u>
Emeline Beisman	Professor Baughman, Semesters I, II
Leon Coburn	Professor Pickett, Semesters I, II
Anna-Marie Denes (Comparative Literature)	Professor Zavadil, Semesters I, II

(These students also performed departmental duties as graduate assistants--tutoring, paper grading for other professors.)

Seniors completing two years in the program at the time of its termination were as follows:

Myra G. Goetz	Professor Freedman, Semester I; Professor Johnson, Semester II
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(Mrs. Goetz also assisted Professor Wolf in a freshman honors seminar, Semester I.)

Janet McCormack	Professor Arms, Semester I; Professor Graff, Semester II
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(Miss McCormack also assisted Professor Dykstra in a freshman honors seminar, Semester II.)

Patricia Ann McGuire	Professor Tedlock, Semester I; Professor Davis, Semester II
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Elizabeth Orem	Professor Crowell, Semester II
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(Mrs. Orem assisted Professor Linsley in a freshman honors seminar, Semester I; she was not tutored in the Department Semester I.)

John Gray Sweeney

Professor Baltzell,
Semesters I, II

(Mr. Sweeney also assisted Professor Dettre in a
freshman honors seminar, Semester II.)

In retrospect, both over the year and over the duration of the Program, its most positive and valuable contribution for the students and for the Department appears to stem from the tutorial relationship. Tutorial projects fostered a range of experience: involvement in a professor's research, directed study in depth, student tutoring and classroom performance. It is to be hoped that the staff of the Department will find means to continue the most profitable features of this tutorial operation, perhaps in relationship with Departmental Honors.

Although this year saw no resignations from the Program, it must be candidly acknowledged that the number of drop-outs (nineteen of the thirty-six English and two Comparative Literature students) over the five-year period was disappointingly high. Of these nineteen, four continued in what might be regarded as semi-academic status as wives of Ph.D. students; two continued academic work elsewhere. Analysis of the reasons for these and other resignations suggests that a major weakness in the Program was its requirement for commitment to graduate

study in the junior year, too early--particularly for women students--to envision firm plans for the succeeding three or four years.

Nineteen students may be said to have finished satisfactorily their three years in the program with completion or--more generally--near-completion of the M. A. degree. Even though the desired acceleration of the degree did not prove as feasible in fact as it had appeared in the Program prospectus, the enrichment of the study may be validly claimed.

It is a satisfaction to note the number of students involved in both General Honors and Career Scholar work and to tally the five students receiving Woodrow Wilson and other fellowships, together with those going on to successful assistantship appointments at UNM, the University of California at Davis, State University of Iowa, and the University of Colorado. One student is now in the second year of her study at the Sorbonne.

Complete records for the Program, together with the analysis prepared in response to the Director's final questionnaire by the Departmental Co-ordinator, Professor Katherine Simons, are available for study upon request to the Department.

4. LECTURES AND READINGS SPONSORED BY THE ENGLISH DEPARTMENT

During the academic year the following events of interest to the Department took place:

In conjunction with the Department of Architecture, the English Department sponsored a lecture on "Fonthill Abbey" by the British authority, Boyd Alexander.

Harold Bloom, of the Department of English, Yale University, lectured on "Yeats and the Romantic Poets" under the sponsorship of the Graduate School on March 23, 1966.

Robert Duncan read his poetry here on March 3, 1966.

Richard Eberhart, in his last year as resident poet at Dartmouth College, read from his poetry.

On April 4, 1966, Vivian de Sola Pinto lectured on "D. H. Lawrence and William Blake."

There was a poetry reading on March 31, 1966, by Margaret Randall, young poet who grew up in Albuquerque and who now lives in Mexico City.

Ronald Watkins, British authority on Shakespeare, gave a series of three lectures early in the season, as follows:

Wednesday, November 3, 4:30 p. m., "Shakespeare in His Own Playhouse: The Conditions of Performance and Their Influence on Shakespeare's Method of Writing."

Thursday, November 4, 8:00 p. m., "The Actor's Task in Interpreting Shakespeare's Text."

Friday, November 5, 8:00 p. m., "Macbeth at the Globe."

Readings by poets of their own poetry were financed wholly or partially out of a subvention to the Department by the Associated Students of the University of New Mexico. This aid from Associated Students will be continued next year.

5. THE D. H. LAWRENCE FELLOWSHIP

The summer fellowship at Kiowa Ranch for 1966 was awarded to Robert Sward, who has taught at Cornell, University of Iowa, and other places. The list of poems published by Mr. Sward is impressive. There is some departure from previous practice in the awarding of the fellowship for the summer of 1967 during academic year 1965-1966. This will go to Henry Rago, well-known editor of Poetry magazine of Chicago.

It is hoped that a new cottage for the Lawrence Fellow will be available by summer 1967, so that the house once occupied by D. H. Lawrence can be kept open to visitors to the ranch.

6. THE NDEA 1965 SUMMER INSTITUTE

During the Summer Session of 1965, the Department of English sponsored an NDEA English Institute for forty high school English teachers, twenty-three from the state of New Mexico and seventeen from out-of-state. The Institute, directed by Dr. Peter Prouse of UNM's Department of Secondary Education, included three main courses -- linguistics, composition, and literature -- taught respectively by Mr. James Gardner from the University of North Carolina, Dr. Roy Pickett, and Dr. Joseph Zavadil, both from UNM's Department of English. Other Institute staff members and participants from

UNM's Department of English were: Mr. Robert Cresley, lecturer; Dr. Paul Davis, workshop instructor; Mrs. Ann Hogan, workshop and reading instructor; and Mrs. Jessie Morris, assistant director and workshop instructor.

B. Significant plans and recommendations for the near future

1. Professor Dudley Wynn served as Acting Chairman of the department from the end of Summer Session, 1965, through August, 1966. Professor Joseph Zavadil will serve as Acting Chairman for Semester I, 1966-67. At the beginning of Semester II, 1966-67, the newly appointed permanent chairman, Professor Joseph Frank, will assume his duties. Professor Frank has been at the University of Rochester for a good many years, is the author of well-known books in the field of the seventeenth century, is enthusiastic over the prospect of coping with the problems of an English department in a growing state university. Dean Hoyt Trowbridge has received numerous letters of congratulation upon our success in adding Joseph Frank to the staff of the University of New Mexico.

2. SPECIAL PROGRAMS

The NDEA Summer Institute for high school teachers of English, which was held first in 1965, was

continued in Summer, 1966, and will probably be renewed in 1967. Professor Peter Prouse, of the College of Education, was director of the Institute in 1965 and 1966 and was aided by Professors Roy Pickett, Joseph Zavadil, Paul Davis, and other Members of the Department of English. If the Institute continues into Summer, 1967, and beyond, Professor Pickett will succeed Professor Prouse, who, because of other commitments, has asked to be relieved of the directorship.

The department's application for NDEA Title IV Graduate Fellowships for 1966-67 (application filed in academic year 1964-65) was not successful -- for reasons which it is difficult for some members of the department to understand, since some other departments of English that are rated below ours by the American Council on Education did receive grants for such fellowships. The application has been renewed for fellowships for 1967-68, and the department is hopeful that this time some measure of success will accompany our effort.

C. Appointments to Staff

The Department of English has made many new appointments to the staff.

Harold W. Blodgett, Professor Emeritus from Union

College, Schenectady, and authority on Walt Whitman, will be a Visiting Professor for Semester I, 1966-67, to replace Professor Hamlin Hill, who will be on sabbatical leave.

Gene Frumkin, prominent poet and short story writer, will fill in for Robert Creeley, who will be on leave of absence to teach at the State University of New York at Buffalo.

Joseph Frank of the University of Rochester accepted appointment as permanent Chairman of the Department of English. He will begin his duties in February, 1967; meanwhile, Joseph Zavadil has agreed to be Acting Chairman for the fall semester.

Charles G. Masinton, whose doctorate is from the University of Oklahoma and whose fields of special interest are Renaissance, Romantic Poets, 19th-century American Literature, and 20th-century Novels and Poetry, has been appointed an assistant professor.

Ivan Peter Melada, who expects to have his Ph.D. from the University of California at Berkeley and whose dissertation will be "The Captain of Industry in British Fiction: 1821-1871," has been appointed

an assistant professor.

Miss Mary Jane Power, whose doctorate from the University of Wisconsin is anticipated before September, 1966, has been appointed an assistant professor. Miss Power specializes in the computer analysis of prose style and says her dissertation, "The English Translations of Don Quixote: A Stylistic Study," is an outgrowth of her major interest.

James Lynn Ruff, who expects his Ph.D. degree from Northwestern University by August, 1966, has been appointed as assistant professor. His dissertation is "Theme and Structure of Shelley's The Revolt of Islam."

Frederick B. Warner, who has a law degree in his past and an English Ph.D. in his future (October, 1966), has been appointed an assistant professor. His dissertation will be a study of the development of Robert Louis Stevenson's narrative technique from 1866 to 1887.

Mrs. Patricia Ann Dunlap has been promoted to full-time instructor contingent upon her passing the Ph.D. comprehensives in August, 1966.

Claus-Peter Buechmann has been promoted to full-time instructor contingent upon the same conditions as Mrs. Dunlap.

Robert Fleissner, who has his doctorate from NYU, will be a full-time instructor. Mrs. Charlotte W. Glickfield, who has completed all work for the Ph.D. except the dissertation, at the University of Tennessee, has been appointed full-time instructor. Mrs. Helen Harrison, who has taught here as a part-time instructor, will be a full-time instructor for Semester I.

Mrs. Mary L. Jones, who took her Master's degree at Northwestern, will be a full-time instructor.

Mrs. Dorothy Logan, who holds an M.A. from U.N.M., has been appointed a full-time instructor.

Mrs. Carole Van Der Voort, whose husband will be a teaching assistant working on his Ph.D. degree in the Department of English, has been appointed full-time instructor. Mrs. Van Der Voort expects to receive her Master's degree from Alfred University before September.

Michael J. Wenzl, who has his M.A. from the University of Oregon, will be a full-time instructor.

Melvin Wilk, who expects his Master's degree from Boston University in August of 1966, will be a full-time instructor.

Daniel J. Ritter, a Ph.D. candidate in Ibero-American Studies at UNM, has been appointed part-

time instructor to teach English to foreign students.

D. Separations from Staff

Professor Morris Freedman went to a professorship at the University of Maryland.

Assistant Professor Gerald E. Graff accepted a position at Northwestern University.

II. Composite of Information Requested on Individual Biographical Supplements.

1. Advanced Study

William T. Cotton
Working on doctoral dissertation.

James L. Dean
Continued work on dissertation: The Early and Late Travel Literature of William Dean Howells.

Joanne Holland.
Mrs. Holland received her Ph.D. from Harvard in 1965 and her M.A. from Oxford in 1966.

Muriel Latham
Passed E.U.S. French examination to fulfill one of two language requirements for Ph.D.

Bailey B. McBride
All work on the Ph.D. submitted and approved:
Oral examination scheduled June 5.

Jessie F. Morris
Working on dissertation, a stylistic study of Thomas Hardy's poetry.

R. W. Redding
Dissertation in progress.

James Llewellyn Thorson
Finishing Ph.D. degree at Cornell University

2. Sabbaticals, leaves of absence, travel, etc.

Norton B. Crowell
Sabbatical leave, Semester I. Travel to the Armstrong Browning Library, Baylor University, Waco, Texas. Professor Crowell secured about 70,000 pages on microfilm of Browning letters and Browning scholarship.

Franklin M. Dickey

Sabbatical in England and Italy; study in British Museum, Bodleian Library, Biblioteca Nazionale (Florence).

Morris Freedman

Visited San Francisco during winter to attend theatrical productions.

Hamlin Hill

Spring semester, 1964-65, Visiting Lecturer, University of California, Berkeley. Summer '65, work in Mark Twain Papers, Berkeley; Summer '66, Visiting Professor, University of Chicago.

Willis D. Jacobs

Study of Off-Broadway Drama and Poetry, New York City, summer, 1965.

Mary Bess Whidden

Research at British Museum and University of Basel during summer, 1965.

3. New scholastic honors, fellowships, etc.

Jane L. Baltzell

Greater UNM Faculty Summer Research Grant (awarded in Semester II, 1965-66).

Edith Buchanan

Teacher of the Month, February, 1966.

Paul Davis

Greater UNM Faculty Summer Research Grant (awarded in Semester II, 1965-66)

Hamlin Hill

Fulbright Lecturer in American Literature, University of Copenhagen, '66-67 (awarded in January '66)

Bailey McBride

Greater UNM Faculty Summer Research Grant (awarded in Semester II, 1965-66).

4. Publications.

Dudley Wynn

"Honors and the University," in The Superior Student in American Higher Education, Carnegie Series in Education, New York: McGraw-Hill, Inc.,

1966, pp. 96-136.

George Arms

Review of Robert Falk's The Victorian Mode in American Fiction, 1865-1885. American Literature, XXXVII (Jan., 1966), 488-489. (The Fields Were Green was reprinted in late 1965 with minor corrections. Stanford University Press, pp. 246) (The Explicator Cyclopedia, ed. C. C. Walcutt and J. E. Whitesell, reprinted 3 explications by Professor Arms. Wuadrangle Books, 1966.)

Jane L. Baltzell

Three poems ("Suite," "The Starlings," "Of a Woman Almost Taken in Adultery") in Verse at Brown, ed. Sharon Brown and C. H. Philbrick (Providence, 1965.)

Paul Davis

Contemporary Controversy (Charles Scribners, 1966) with Morris Freedman. Literature and Society Bibliography, 1960-65 (scheduled University of Miami Press) with the Bibliography Committee of the Literature and Society Section, MLA. "Can Art Endure in a World of Change?" First Unitarian Church of Albuquerque, 1965.

Franklin M. Dickey

Review: G. W. Williams' Edition of Romeo and Juliet, in Colorado quarterly. Review: The Blazon of Honor, in Shakespeare studies.

Morris Freedman

Editor with Paul Davis of Contemporary Controversy (Scribner's).

Gerald E. Graff

"Statement and Poetry," Southern Review, July, 1966 (Summer).

Hamlin Hill

"Toward a Critical Text of The Gilded Age," Papers of the Bibliographical Society of America, LIX (1965), 142-148; "Two Twain 'Heresies,'" Modern Language Quarterly, XXVI (1965), 327-332; Mark Twain's Letters to His Publishers, University of California Press (proofread and scheduled for publication in a few months.)

Roy G. Pickett

"Report on Language and Literature Workshop,"

Journal of College Composition and Communication,
XVI (October, 1965), 190-191.

George Meyer Ridenour

Ed. Shelley: A Collection of Critical Essays
 (Prentice-Hall, 1965).

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

Dudley Wynn

Work progressing on Joseph Conrad.

George Arms

Continuing work on the W. D. Howells letters.
 Completion of an essay on Howells' English Travels,
 scheduled for publication in PMLA. Co-editing
 of fifth edition of Readings for Liberal Education,
 to appear in early 1967.

Jane L. Baltzell

Article titled "Chaucer, Medieval Poetic, and the
 Interpretation of the Prioress's Tale" completed
 and now in final typing to be submitted to journals.
 Paper on interpretation of Greek Tragedy to be
 submitted to the Classical Studies Section of the
 1966 meeting of EMPA (now in rough draft form).
 Paper on Sir Gawain and the Green Knight viewed in
 the tradition of Middle English sermons and religious
 lyrics to be submitted to English 2 section of MLA
 (rough draft).

Edith Buchanan

Continuing work on four notes on Milton, George
 Herbert's "Prayer," Samson Agonistes in relation to
 martyr plays and heroic drama, the relation be-
 tween Cynthia's Revels and The masques of Blackstone
 and Beauty.

Robert B. Crowell

Completed the first draft of a full-length schol-
 arly book on Robert Browning. First typewritten copy
 is about one third complete. Tentative title:
The Most of Time: Studies in Robert Browning.

Paul Davis

Work on Carlyle, Dickens, and Scott in progress.

Franklin M. Michay

Edition of Abrégé de France, "The Lamentations of

Amyntas," for the Renaissance English Text Society (Newberry Library) now in the hands of the printers. Anthology of Drama Before Shakespeare for Houghton Mifflin; text of the first half has been submitted in satisfaction of contract; the remainder will be submitted in July.

Morris Freedman

Study of tragedy, theories and texts; study of Samson Agonistes; work in progress on American drama.

Hamlin Hill

A Bibliography of Mark Twain Criticism (in progress; scheduled for publication this fall); initial work on four further volumes of Mark Twain's letters.

Joanne Holland

Preparing parts of Ph.D. thesis on Spenser for publication.

Willis D. Jacobs

Anthology completed, as senior editor (co-editor: N. B. Crowell). Now in hands of publisher, for decision to be reported later.

Joseph M. Kuntz

In progress: Poetry Explication: A Checklist. Third edition. Elizabethan revival in the later Romantic period.

Bailey B. McBride

Johnson's Latin Poems: Traditional Modes (completed) Detail, Image, and Meaning in Dubliners (in progress).

Roy G. Pickett

Director of a proposed 1967 NEA Summer Institute in English for Secondary School Teachers at the University of New Mexico.

Mary Bess Whidden

edition of Elizabethan sonnet sequences in progress.

6. Activities in learned and professional societies

Dudley Wynn

Continuing as campus representative of Woodrow Wilson National Fellowship Foundation; also as member of regional selection committee. Member, Executive Committee, National Collegiate Honors

Roy G. Pickett

Recorder of workshop panel on language and literature at the Conference on College Composition, St. Louis. Chairman of University section of workshop panel on literature and composition, College Conference on Composition, Denver, March 23-26.

Katherine G. Simons

Member, Executive Committee, Alpha Chapter, Phi Beta Kappa. Member, Selection Committee, Alpha Chapter, Phi Beta Kappa. President, for 1965-66, Phi Beta Kappa Association of New Mexico.

7. Other professional activities

George Arms

Editorial Committee of Indiana University Press 35-volume edition of W. D. Howells. Advisory Board, Abstracts of English Studies, 1964-67. Co-editor, The Explicator, 1942-. Board of Editors, American Literature, 1966-69

Ernest W. Baughman

Paper: "Some Pitfalls of the Student and Teacher of Literature," the 21 Club.

Norton B. Crowell

President, Alpha Chapter of Phi Beta Kappa.

Paul Davis

Reader, Educational Testing Service, April, 1966; Speaker, First Unitarian Church of Albuquerque, Albuquerque, Albuquerque AAUW, Geneva House.

Morris Freedman

Talks at Temple Albert Men's Club, B'nai B'rith Sisterhood, B'nai B'rith congregation, Bernalillo Junior High School.

Hamlin Hill

Editorial consultant, University of California Press, American Quarterly. General Editor, Chandler Facsimile Series (a project of eight volumes in American literature to be produced in facsimile and edited by American literature specialists around the country).

Willis D. Jacobs

Address: "Pirandello," Newman Club, October, 1965. Founder's day Address: Alpha Delta Pi, May, 1966.

"Contemporary Youth and the Art Explosion." UNM Homecoming Judge, November, 1965. UNM Faculty Coordinator: Lusk-for-Governor Campaign.

David M. Johnson

Lecture on Romanticism, KNME-TV, Humanities (March, 1966); a talk on Hebrew psychology and communication, Luther House (April, 1966); two talks on the meaning and implication of pacificism, St. Paul's Lutheran Church (April, 1966); advisor to creative writing and reading group (2nd semester).

Bailey B. McBride

Two lectures on James Joyce's myth and art at Oklahoma Central State College.

Roy G. Pickett

1. Lecture on "Teaching Composition and Literature," Goddard High School, Rowell, N.M., Oct. 22-23.
2. Lecture on "Linguistics in the NDEA Summer Institutes," High School-College English Committee of New Mexico, October 29.
3. Consultant and evaluator for the U.S. Office of Education on NDEA Summer English Institute Proposals, Washington, D. C., November 1-5, 1965.
4. Panelist on "Our Programs in English for College Freshmen, High School-College English Committee of New Mexico, February 19, 1966.
5. Consultant on state teacher-certification for New Mexico high school teachers of English, Santa Fe, April 15, 1966.
6. Consultant and evaluator for U. S. Office of Education on NDEA Summer Institute Proposals for English, Washington, D. C., May 21-24, 1966.

8. Non-teaching University service

Dudley Wynn

Acting Chairman, Department of English, 1965-66.
Director of General Honors Program.

George Arms

Chairman of Committee on American Studies. Member of University Library Committee. Member of Dean's Advisory Committee on Appointing Departmental Chairmen.

Jane L. Baltzell

A&S advisor to approximately 30 English majors.
Phi Beta Kappa Committee on Members in Standing.

Ernest W. Baughman

Academic Freedom and Tenure Committee; The

Council, successor to Inter-University Committee on the Superior Student.

George Arms

Attended MLA, December, 1965. Co-Vice President, RMMLA, 1966-67.

Jane Baltzell

Attended annual convention of MLA in Chicago in December to read paper titled "Moral Allegory, the Twelfth- and Thirteenth-Century Latin Artes Poeticae, and the Structure of Medieval Narrative."

Ernest W. Baughman

Executive Board, the American Folklore Society, 1966-67; attended meeting, November, 1965; Albuquerque English Club, one meeting; College-High School Committee on Teaching of English, one meeting.

Paul Davis

Bibliography Committee, Literature and Society Section, MLA. Executive Council, UNM AAUP; Secretary, State Council of AAUP.

Franklin M. Dickey

MLA convention, December 27-29 in New York; chairman of conference "Symbolism and Allegory in Medieval and Renaissance Periods."

Morris Freedman

Read paper at RMMLA, Fort Collins, Col., on "Bertolt Brecht and American Social Drama;" read paper at national MLA, Chicago, on "The Modernity of 'Samson Agonistes'."

Hamlin Hill

Rocky Mountains American Studies Association and Rocky Mountain Social Sciences Association, Fort Collins, May 5-7, panelist for both meetings; Colorado College Symposium on Humor, January 1966, paper on "Black Humor"; New Mexico Folklore Society, Santa Fe, May 14, Paper on "The Folklore of Mark Twain."

Willis D. Jacobs

Member: Modern Language Association; American Association of University Professors.

John S. Martin

Attended meetings of Rocky Mountain American Studies Assoc. & RM Social Sciences Assoc., May 5-7, 1966, Ft. Collins, Col. Addressed RMASA at meeting: "Henry Adams on War, Napoleonic and Civil: A Study of the Concept of the Strenuous Life."

The Student Affairs Committee; Arts and Sciences Scholarship Committee; English Department Policy and Personnel Committee.

Edith Buchanan

Committee on Scholarships and Prizes, Assistant Director of Freshman English, Departmental Advisor of English Majors, Secretary-Treasurer of Phi Beta Kappa, Friend of University of New Mexico Libraries.

Norton B. Crowell

Faculty advisor to English majors.

Paul Davis

Member, University Fund Committee, Committee on the University, University College Advisor, general honors students. Scheduling, Department of English.

Franklin M. Dickey

Graduate advisor, Semester II.

Morris Freedman

Departmental ad hoc committee on chairman selection, Policy & Personnel Committee, College of Fine Arts committees.

Hamlin Hill

Student Standards Committee; A&S advisor; departmental Policy & Personnel Committee.

Joanne Holland

Advising English Majors.

Willis D. Jacobs

Chairman, English Dept. Library Orders Committee. Chairman, English Dept. Creative Writing Contest (Poetry). Advisor, English majors, Comparative Literature majors.

David M. Johnson

Advisor to creative writing and reading group (2nd semester); M-3 tutor.

Joseph M. Kuntz

Administrative assistant, Department of English. Faculty advisor, English majors. A&S scholarship committee.

John S. Martin

Judge for Western States Speech Tournament,
November 25, 1965. Faculty advisor for University
College students.

Bailey, B. McBride

Faculty advisor for English majors (second semester.)

Jessie F. Morris

Policy and Personnel Committee, Department of
English; advisor for University College students;
assistant director NDEA English Institute, Summer
1965.

Roy G. Pickett

Director of Freshman English; Policy and Personnel
Committee; Assistant to Professor Dudley Wynn,
Acting Chairman of the English Department.

Katherine G. Simons

Departmental co-ordinator for the Career Scholar
Program; Chairman, Committee on Improvement of
Instruction, College of Arts and Sciences; Member,
Student Faculty Association Committee; Member,
Department Committee for selection of Department
Chairman.

Mary Bess Whidden

Non-degree advisor.

Joseph B. Zavadii

Member, Publications Committee and Student Union
Board, Member of Organizing Board of Student-
Faculty Association, English Department P & P
Committee and M. A. Exam Committee, Faculty Advisor
of Newman Center.

9. Public Service

Dudley Wynn

Member, Board of Trustees, Albuquerque Academy.

Ernest W. Baughman

Chairman, Precinct Division 36A, The Democratic
Party.

Willis D. Jacobs

Chairman and Pronouncer: Annual Scripps-Howard
Spelling Bee, State of New Mexico, April, 1966.
Official Delegate: Democratic County Convention,
February, 1966. Official Delegate: Democratic
State Convention, February, 1966.

David M. Johnson

Active in American Civil Liberties Union; active participation in the Peace Movement in Albuquerque.

Muriel Latham

Editor of Newsletter of Albuquerque Archaeological Society.

10. Personal Information

Gerald E. Graff

Married Natalie Gooch, graduate student in the Department of English, UNM, in November, 1965.

Willis D. Jacobs

Major, United States Air Force (Reserves).

David M. Johnson

Active in American Civil Liberties Union; active participation in the Peace Movement in Albuquerque.

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Editor of Newsletter of Albuquerque Archaeological Society.

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Major, United States Air Force (Reserves).

		I 63-64		II 63-64		I 64-65		II 64-65		I 65-66		II 65-66		I Est. 66-67	
Freshman Comp.	101	63s	1603	15s	351	78s	1988	18s	448	95s	2346	19s	443	108s	2698
	102	23s	631	46s	1192	27s	741	59s	1543	31s	840	72s	1964	34s	924
	103	2s	41			1s	30	1s	16	1s	14	1s	13	1s	20
		88s	2275	61s	1543	106s	2759	78s	2007	127s	3200	92s	2420	+143s	3642
Lower Div. Lit.	140	1s	19					1s	42			1s	42	1s	40
	250									2s	39	4s	122	4s	170
	253	4s	192	4s	182	4s	215	3s	158	4s	220	3s	163	5s	220
	254	4s	176	4s	151	4s	188	4s	203	4s	209	6s	265	4s	165
	256	1s	26												
	257	5s	268	6s	211	6s	282	5s	243	7s	358	5s	315	8s	300
	275-76	2s	99	2s	96	2s	97	2s	116	1s	71	2s	120	2s	80
	277			2s	122			1s	91						
	282	4s	203	4s	204	6s	265	5s	259	5s	314	4s	287	6s	425
	285	1s	23					1s	32			1s	42		
		22s	1006	22s	966	22s	1047	22s	1144	23s	1211	26s	1256	+31s	1400
									18%+						
Lower Division Non-Lit.	255	4s	217	4s	175	5s	244	4s	163	4s	194	3s	144	4s	180
	261-62	1s	31	1s	28	1s	23			1s	23			1s	23
	264	6s	151	7s	193	7s	198	8s	215	6s	158	5s	136	6s	156
	291-92	2s	57	2s	56			1s	26						
Grad. & Upper Division		13s	456	14s	452	13s	465	13s	404	11s	375	8s	280	+11s	359
									11%						
	300+	15s	604	19s	736	20s	737	20s	720	21s	852	24s	949	26s	960
	500+	4s	49	4s	33	5s	70	6s	68	6s	81	6s	87	10s	98
Gen.St. Ind.St. Engl.010		142s	4390	120s	3730	166s	5078	139s	4343	188s	5719	158s	4992	+36s	1058
									21%+						
									16%+						
									(overall)						
Off-Campus		7s	70	6s	69	7s	81	5s	51	5s	69	5s	45	6s	90
			9		17		12		9		6		9		5
		7s	247	13s	480	6s	228	13s	526	7s	212	9s	359	10s	300
		156s	4716	139s	4296	179s	5399	157s	4929	200s	6006	172s	5404	+237	6854
Tutoring															
		1s	10	1s	19					(Gallup)	1s	20			
		157s	4726	140s	4315					201s	6026	172s	5404	+237	6854
Tutoring		4s	42			9s	88								
		161s	4768			188s	5487			201s	6026	172s	5404	+237	6854



THE UNIVERSITY OF NEW MEXICO | ALBUQUERQUE

DIVISION OF FOREIGN STUDIES
(SCHOOL OF INTER-AMERICAN AFFAIRS)

The Report of the Division of Foreign Studies
July 1, 1965 - June 30, 1966

Norman E. Marin, Acting Director

I. General departmental information

A. The curricula of the Division of Foreign Studies for the period encompassed within this report has remained as before: Latin American Studies, Western European Studies, and Russian Studies. The strength of the Latin American Studies program, in particular, has improved with the addition of new faculty members teaching courses of Latin American content in various disciplines.

Consequently, the course offerings for Latin American Studies majors have expanded, resulting in a much wider selection in the field.

The number of students majoring in Area studies or being advised by the department totalled 120 undergraduates and 16 graduate students for Semester I, 1965-1966, For Semester II, 1965-1966, the total amounted to 114 undergraduates and 17 graduate students. The breakdown for each semester was as follows:

Semester I - Latin American Studies undergraduates	- 87
Western European Studies undergraduates	- 12
Russian Studies	- 6
Undecided and Advisees	- 15
Graduate students	- 16



THE UNIVERSITY OF NEW MEXICO | ALBUQUERQUE

DIVISION OF FOREIGN STUDIES
(SCHOOL OF INTER-AMERICAN AFFAIRS)

Division of Foreign Studies

Annual Report July 1, 1965 - June 30, 1966

- 2 -

Semester II - Latin American Studies undergraduates	- 73
Western European Studies	- 9
Russian Studies	- 6
Undecided and Advisees	- 26
Graduate students	- 17

B. Since the emphasis remains heavily on Latin American Studies, which program enjoys the broadest range of course offerings, an administrative change was approved which will move the Western European and Russian Studies programs to the Department of Government, commencing Semester I, 1966-1967. Consequently, the Division of Foreign Studies will assume the official name of Division of Inter-American Affairs as of September, 1966.

The Division continues to serve as a source of information and counsel for students and others seeking assistance on job possibilities, especially with government agencies. During the visit of a State Department officer, Mr. Albert N. Williams, the Division helped to coordinate interviews between the officer and students interested in foreign service careers, and to distribute materials and other information on such employment opportunities.

The Division also maintains close liaison with the student organization, the Latin American Desk, involved in varied activities pertinent to Latin American interest--guest



THE UNIVERSITY OF NEW MEXICO | ALBUQUERQUE

DIVISION OF FOREIGN STUDIES
(SCHOOL OF INTER-AMERICAN AFFAIRS)

Division of Foreign Studies

Annual Report July 1, 1965 - June 30, 1966

- 3 -

speakers, panel discussions, assisting Latin American students in obtaining scholarships and living accommodations while attending UNM, etc.

No other significant plans or recommendations for the near future are in the making.

- C. There have been several revisions in the complexion of the staff, the principal one motivated by the untimely death of the Director of the Division, Dr. Miguel Jorrín, in May, 1965. An Acting Director was appointed subsequently to serve in this capacity from September 15, 1965 to June 25, 1966. Mr. Norman E. Marin has been serving as Acting Director during this time, also holding the position of Assistant Professor of History for the same duration.

No faculty appointments to the staff are made in the Division. Other staff members included:

Mr. J. Lawrence McConville, Graduate Assistant
Mrs. J. E. Woodard, Secretary
Miss Maria Ximena Campos, Student Assistant
Mr. S. Michael Bernhard, Honor Student assignment
Mr. James C. Brown, Honor Student assignment
Miss Kenna Lauser, Honor Student assignment

Mr. David Lightwine has been appointed as Graduate Assistant for the coming year, effective September 15, 1966 to



THE UNIVERSITY OF NEW MEXICO | ALBUQUERQUE

DIVISION OF FOREIGN STUDIES
(SCHOOL OF INTER-AMERICAN AFFAIRS)

Division of Foreign Studies

Annual Report July 1, 1965 - June 30, 1966

- 4 -

June 25, 1967. Mr. McConville elected not to renew his assistantship so he could begin graduate studies in agricultural economics at New Mexico State.

A new appointment for the Directorship of the Division has been made. He is Dr. Martin C. Needler, Associate Professor of Government, whose special interest is the politics of Latin America. Dr. Needler will assume his duties as Director commencing September 15, 1966.

II. Biographical data may be found in the annual reports of the various departments offering courses included in the Area studies programs.

The Report of the Department of Geography
July 1, 1965 - June 30, 1966
Richard E. Murphy, Chairman

I. General Departmental Information

The Department of Geography has undergone a complete change of staff this year. This has necessitated a re-examination of course offerings and future plans. Thus far a new course in Political Geography, Geography 381, has been added to the Catalog.

Plans for the immediate future call for several changes in line with new staff capabilities and for the purpose of strengthening the undergraduate major. It is anticipated that Geography 251, Physical Geography, will be deleted from the Catalog and in its place will be added a 300 level course in climatology. Since the elements of physical geography are covered in Geography 101, and since geomorphology is available in the Department of Geology, it is felt that a solid upper level course in climatology would be more useful than the present course which is comparable to the introductory course although taught at a somewhat more advanced level. In addition, if suitable laboratory space can be used in either Geology or Engineering, a year course in introductory cartography should be added to the offerings. Furthermore, the one semester course called Economic Resources should be enlarged to a full year course in Economic Geography. Also it would be advisable to have a senior seminar as a requirement for the major rather than having the Problems course a requisite for graduation. The Problems course could then be limited to

- 2 -

students with specific field projects and perhaps form a nucleus for an eventual course in field methods. These course changes are anticipated for next year. In a slightly longer range view, it would be highly desirable to enlarge the offerings to include courses in regional physiography, map reading and air-photo interpretation, urban geography, land use, anthropogeography, arid lands, and other regional courses in addition to those now in the Catalog.

A number of the changes noted above are a reflection of the interests and capabilities of new members of the staff. Dr. Richard E. Murphy joined the staff in September, 1965. Since he was in Europe the previous year and not available for an interview, he was brought as a visiting professor. His position was changed to professor at the beginning of the second semester at which time Dr. Murphy became the new chairman of the department, effective February 1, 1966. Professor Murphy's interests are reflected in the addition of the course in Political Geography and in the anticipated long range additions of courses in anthropogeography and regional physiography. Dr. Iven Bennett, presently with the U.S. Army Quartermaster Laboratories at Natick, Massachusetts, will join the staff in the fall (September 1966) as an associate professor. He brings with him years of experience and research in climatology and a previous background of teaching at Rutgers. With his cardinal interest in climatology and his ability also to teach cartography, he would be responsible for the proposed courses in those two aspects of the field. The third position in the Geography Department will be filled by a visiting instructor, Mr. Reynaldo Ayala who has just finished his residency for the Ph.D. at

- 3 -

Southern Illinois University where he was a graduate assistant and Assistant Director of the Latin American Institute. Born and raised in Mexico, with a fluent command of Spanish, and with considerable travel and study in several areas of Latin America, Mr. Ayala should be able to lend a personal touch and insight to the courses on Latin America. He will be responsible also for economic geography and will help with the introductory courses.

The three new staff members fill the vacancies created by the departure of all three of the former members of the Geography Department. Last year Associate Professor B.L. Gordon, the department chairman, resigned, effective June, 1965, to his Alma Mater, San Francisco State College. / return to With Dr. Gordon's departure, Associate Professor Yi-Fu Tuan agreed to serve as acting chairman for the first semester of the 1965-66 academic year. Dr. Tuan himself, however, after much deliberation, accepted an attractive offer of a professorship at the Institute of Geography of the University of Toronto, effective February, 1966. Before leaving, Dr. Tuan arranged to have a visiting assistant professor, Mrs. Elinore M. Barrett, come for the second semester. Mrs. Barrett had been working on her doctorate at Berkeley where she had concentrated on Latin America. She taught the course on Middle America during the spring term as well as the courses in Economic Resources and North America. She plans to spend the summer in Mexico doing research for her dissertation and will be a visiting lecturer on a half time basis next year at the University of Oregon. She will thus have time to work on the dissertation. The third position has been filled for the past two years by Visiting Assistant Professor Conrad F. Aub. He will be returning to Europe this summer where he will teach at the Geographical Institute of Aarhus University in Denmark.

-4-

Thus next year the Geography Department will have had a complete change in personnel.

II. Composite of Information Requested on Individual Biographical Supplements.

In view of the resignation of Dr. Tuan in January and the imminent departures of Mr. Aub and Mrs. Barrett, there is little to add to the information about them in the first section of this report or to that in previous reports. Dr. Tuan's energies were directed during the fall term to easing the period of transition. It should be noted, however, that his article on "'Environment' and 'World'" which appeared in the September, 1965, issue of The Professional Geographer (vol. 17, no.5, pp. 6-8) has occasioned favorable comment. Mr. Aub completed a reorganization of the department's wall map collection and continued his services as an undergraduate advisor in University College and as the instructor of a correspondence course (Geography 101) for the Extension Division of the University. During the year, Mr. Aub made a number of field trips in New Mexico and neighboring states. Mrs. Elinore Barrett has worked particularly with some of the students in the Latin American Studies program and is preparing for field work in Mexico this coming summer.

The new chairman of the Geography Department, Dr. Richard E. Murphy, came to the University of New Mexico after an extended period in Europe following ten years of teaching at three institutions - George Washington University, the University of Wyoming, and the University of Hawaii. On July 15, 1965, Dr. Murphy completed a year of study and research under a National Science Foundation Science Faculty Fellowship for investigation

- 5 -

of human geography at the Sorbonne. The year in Paris afforded an opportunity to become thoroughly familiar with France, and he traveled through much of the rest of western Europe before and after his sojourn in Paris. Dr. Murphy has been invited to spend another year abroad, this time in Japan, where he has been asked to serve as a visiting lecturer at the Institute of Geography of Tohoku University in Sendai under the Fulbright program. The invitation was extended for either the 1967-68 or 1968-69 academic year. In order to leave ample time for reorganization of the Geography Department here, 1968-69 was felt to be the better year, and this is agreeable to Professor Toshio Noh, Director of the Institute.

In regard to publication and papers, Dr. Murphy has concentrated on three projects during the 1965-66 academic year. The 50th Anniversary edition of the Book of Knowledge will contain an extensive article on "Wyoming" by Professor Murphy. Final proof pages were corrected in November, and the scheduled publishing date is 1966. More importantly, Dr. Murphy has just completed a major revision of his "Spatial Classification of Landforms Based on Both Genetic and Empirical Factors" which he first presented at the 20th International Geographical Congress in London in 1964. He will present the revision at the annual meetings of the Association of American Geographers to be held in Toronto, August 28-31. Professor Arthur Strahler of Columbia University, author of one of the most respected and widely used texts in English on physical geography, will use the system in the forthcoming revision of his text. In addition to these projects, Dr. Murphy has started work as consultant on geography for Our World Today Series which is being revised by its author, Dr. Harold Drummond, Chairman of the Department of Elementary Education here at the

-6-

University of New Mexico.

Dr. Murphy's other professional activities included three lectures for the Peace Corps program and a lecture for the Latin American Desk. He spoke on Chile, Colombia, and Ecuador to Peace Corps groups training for work in those three countries. His lecture for the Latin American Desk was entitled "Latin America - Conceptions and Misconceptions: A Geographer's View of Dualism." Finally, Dr. Murphy's attention this spring semester has been devoted particularly to recruitment of new personnel and to plans for departmental reorganization.

The Report of the Department of Geology
July 1, 1965--June 30, 1966
Vincent C. Kelley, Chairman

I. GENERAL DEPARTMENTAL INFORMATION

A. Significant Achievements

The Department of Geology granted 7 bachelor's degrees, 1 master's degree, and 3 doctor of philosophy degrees. Enrollments continued to increase and the introductory course student enrollment was up 12 percent from 1468 in 1964-1965 to 1644. Graduate Assistantships were up from nine to eleven.

The Roswell Geological Society contributed \$200 in the form of "Grants in Aid of Research" to graduate students for such items as field expenses, chemicals, and rock sections. Dr. Vincent C. Kelley represents these societies in the recommendation of recipients and in the approval of the amount and nature of the grants. The awarded grants are as follows:

Oreste W. Lombardi	\$ 75.00
Robert Mahfoud	\$125.00

Other students received fellowships, scholarships, or research grants as follows:

Russell E. Bailey	NASA Predoctoral Traineeship	\$2400
John P. Bradbury	NASA Predoctoral Traineeship	\$3400
Fred R. Cagle, Jr.	NASA Predoctoral Traineeship	\$2400
Walter E. Dean	NASA Predoctoral Traineeship	\$4600
David L. Giles	NASA Predoctoral Traineeship	\$4200

Sandra C. Feldman	NDEA Title IV Fellow	\$2400
Eugene I. Smith	NDEA Title IV Fellow	\$2400
Walter Lee Kincaid	NDEA Title IV Fellow	\$2400
Alfred A. Burgoyne	Research Assistantship	\$1000
Gexrit J. DeKoning	Research Assistantship	\$1000
Constance K. Harris	Research Assistantship	\$2500
Charles F. Dodge	NSF Faculty Fellowship	\$2500
Paul Wayne Lambert	Sigma Xi	\$ 400
Kenneth F. Clark	Sigma Xi	\$ 400
William M. Turner	Peace Corps Fellowship	\$1900
Alva Eugene Saucier	Peace Corps Fellowship	\$1500
John W. Petersen	Continental Oil Company Scholarship	\$ 500
Richard L. Squires	Astec Oil and Gas Company Scholarship	\$ 400
Douglas M. Smith	Albuquerque Gem and Mineral Club Scholarship	\$ 300
Ronney R. Porter	Leonard Scholarship	\$ 250
Paul Wayne Lambert	GSA Penrose Research Bequest	\$ 800

Total \$37,650

Cash prizes were given for the best presentation of student talks at our Graduate Conference. The award of \$80 was divided equally between Frederick W. Bachhuber and Charles A. Bandoian.

The following staff research grants were in effect as follows:

R. Y. Anderson and E. F. Cruft, NSF Grant GP 4200
 "Climatic Cycles and Patterns in Varved Sediments"
 \$95,700

W. E. Elston, NASA NGR-32-004-011

"Comparative Study of Lunar Craters and Earth
Volcano-Tectonic Depressions"

\$76,230

Further indication of the research activities of the staff is shown by the following grants made to them by the UNM Research Committee.

V. C. Kelley	\$524	
L. A. Woodward	\$450	
Total		\$970

Contributions for equipment and general use from industry

were awarded as follows:

Kennecott Copper Corporation	\$2500	
Gulf Oil Corporation	1000	
Mobil Oil Company	500	
Total		\$4000

Early in the year the department was given much needed space on the third floor that had been occupied by Engineering classes. This space, of some 1800 square feet, was remodeled into a large Stable Isotope Lab housing a mass spectrometer and a micropaleontology lab classroom. Two small staff offices were built adjoining each laboratory.

A special feature of the year was a visiting lecturer program sponsored by the Department's national Earth Science Honorary Society, Sigma Gamma Epsilon. The Society contributed \$618 to defray expenses of the lecturers, whom they contacted and secured largely on their own.

The list of lecturers was outstanding and as follows:

Dr. P. E. Damon, University of Arizona
 Dr. J. S. Sumner, University of Arizona
 Dr. L. H. Lattman, Pennsylvania State
 Dr. E. D. Goldberg, Scripps, Institute of Oceanography
 Dr. L. C. Pakiser, Jr., U. S. Geological Survey
 Dr. W. S. Fyfe, University of California, Berkeley
 Dr. James Gilluly, U. S. Geological Survey
 Dean A. J. Eardley, University of Utah
 Dr. K. B. Krauskopf, Stanford University
 Dr. Peter Misch, University of Washington
 Dr. L. T. Silver, California Institute of Technology
 Dr. H. S. Yoder, Geophysical Lab, American Geophysical Union

Although this program was of great value to staff as well as students it appears that even a greater value may accrue to the department in the way of national attention. All visitors expressed much surprise and interest in the fine developments in the department. The word continues to get around the country that UWM Geology is up with the best. However, much still needs to be done and a number of our methods and activities in both teaching and research must be improved.

Undoubtedly the highlight of our guest program was the securing of Dr. Harold L. Urey, Nobel Laureate on the Sandia Colloquium Program. He spoke before a group of nearly 600 in the Anthropology lecture hall on the "Problems Regarding the Origin of the Solar System".

Close cooperation of the U. S. Geological Survey continues to be enjoyed. During the year, geology students and staff have spent hundreds of hours in their library in connection with studies and research. Some part-time employment has been

obtained also. Consultation on numerous geological problems of our students has been given by many of the Survey professionals. They have freely allowed our students and staff to use photogrammetric, photographic, field and other equipment.

According to the Albuquerque Journal (May 31, 1966) the recently published study by the American Council on Education of Ph.D. level programs at 196 American universities ranks the top U.S. fields of study as Spanish, Anthropology, English, Geology, and so on.

Visitors to the Geology Museum by organized groups (public school classes, Boy Scouts, Clubs, etc.) were up 23 percent. There is no way to estimate the number of casual visitors who view the exhibits, but the Museum is almost constantly in use. Staff members, local professional geologists, and all of our graduate assistants and other students take part in leading organized groups through the museum. (See the report of the Curator of the Museum for more details).

B. Plans and Recommendations

1. Put the Geology Building on a reasonably dust-proof air-conditioning system. This becomes more and more critical with the acquisition of expensive, precision equipment. That is especially true for geochemical equipment such as spectrographs which deal with trace amounts of elements. Room 122, the large lecture hall, is not even hooked into the present "air (dust!) conditioner". A fan, of sorts, is available for the

room, but those who have tried it maintain that it really makes the room hotter.

2. Improve the areas of hydrogeology and geophysics. Several students have indicated interest in ground-water geology and currently we have one doctoral candidate working on such a problem. Geophysics is an important area of interest to us and we hope gradually to improve our offerings and abilities in this subject. Within the next two or three years it may become important to add a man in one or both of these fields.

3. With the upswing in sponsored and other research involving more space and sophisticated equipment we are going to need more room for classes, laboratories, offices, and research. To this end, it is strongly recommended that plans be continued to move the engineering people out of the third floor. We are urgently in need of more office space.

C. Mr. Donald M. Power joined the staff as Lab Technician (half time) in February replacing Mr. Will N. Blair who accepted other employment. In April Mr. Power was made full time and he is kept quite busy in many phases of departmental work.

Dr. Bert M. Kudo was added to the staff as Assistant Professor beginning in September, 1966, to research and teach in the areas of experimental petrology and physical geology.

Dr. Raymond C. Murray was added to the staff as Associate Professor beginning September, 1966 to teach and research in the areas of sedimentology and stratigraphy.

Dr. Ronald J. Gibbs, Assistant Professor in the area of sedimentology resigned June, 1966 in favor of a similar position at the University of California at Los Angeles.

II. COMPOSITE OF INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

1. Advanced Study

Sherman A. Wengerd. Semester I "Counter-Insurgency" Naval Reserve Officers School 8-6, Sept. 1965 - Jan. 1966.

2. Sabbaticals, etc.

Roger V. Anderson. Travel to west coast and Texas in connection with editing of book and research projects.

Edgar F. Craft. Field trips with graduate students and research, Penasco, Mexico, April 5-10. Ruidoso, May 8-9.

Wolfgang E. Elston. Summer field work in southwestern New Mexico, June to August, 1965.

Vincent C. Kelley. Sabbatical Semester I. Taught UNM Summer Session, 1965.

Stuart A. Northrop. Field work during summer of 1965; several small collections of fossils from Pennsylvanian strata of the Taos, New Mexico area.

Sherman A. Wengerd. Travel for geologic research; New Mexico, Colorado, Arizona, Utah, California and 15 states in Mexico. Travel for scientific meetings of AIPG and AAPG in

Colorado and Missouri. Travel for academic conferences and estate matters in California, Arizona and Ohio.

3. Honors, etc.

None

4. Publications

- Anderson, R. Y., 1964 (published in 1966), Varve calibration of stratification in Merriam, D. F. Editor, Symposium on Cyclic Sedimentation: Kansas Geol. Survey Bull. 169, p. 1-20.
- Anderson, R. Y., and Kirkland, D. W., 1966, Intra-basin varve correlation: Geol. Soc. America Bull., v. 77, no. 3, 20 p.
- Anderson, R. Y., with McLeroy, Carol., (accepted for pub. in 1966), Laminations of the Oligocene Florissant Lake Deposits, Colorado; Geol. Soc. America Bull., v. 77, 49 ms pages.
- Anderson, R. Y., Stratification in Fairbridge, R. W., Ed., Encyclopedia of Earth Sciences: New York, Reinhold.
- Anderson, R. Y., with Dean, W. E. Jr., (in review) Correlation of Turbidite Stratification in the Pennsylvanian Haymond Formation, Marathon Region, Texas: Jour. Geology, 23 ms pages.
- Anderson, R. Y., and Kirkland, D. W., (ms completed) Environmental reconstruction of an early Pleistocene Lake near Channing, Texas, 317 ms pages.
- Cruft, E. F., Minor elements in igneous and metamorphic apatite; Geochimica et Cosmochimica Acta (major journal), April 1966, p. 375-396.
- Cruft, E. F., Geochemistry of oxygen, (solicited) Encyclopedia of Geology, Rheingold Pub. Co., to be published late 1966, 4-5 pp.
- Elston, W. E., Rhyolite ash-flow plateaus, ring-dike complexes, calderas, lopoliths, and moon craters; N. Y. Acad. Sci. Ann., v. 123, art. 2, 1965, p. 817-842.
- Elston, W. E., and Lambert, P. W., Possible chatter cones in a volcanic vent near Albuquerque, N. M., Ibid., 1965, p. 1003-1016.

- Elston, W. E., Possible connections between rhyolite ash-flow plateaus, ring-dike complexes, and lunar craters: A progress report (Abs.): Oregon--N. Y. Acad. Sci. Lunar Geol. Field Conf. Program, 1965, p. 5.
- Elston, W. E., and Metelbeek, T. A.) Road log from Mimbres Valley to Silver City: N. Mex. Geol. Soc. Guidebook of Southwestern New Mexico II, 16th Field Conf., 1965, p. 36-43.
- Elston, W. E., and Weber, R. E., and Trauger, F. D.) Road log from Silver City to junction of New Mexico Highways 61 and 90: Ibid., 1965, p. 45-62.
- Elston, W. E., Volcanic rocks of the Mimbres and Upper Gila drainages, New Mexico: Ibid., 1965, p. 167-179.
- Elston, W. E., Mining districts of Hidalgo County: Ibid., 1965, p. 210-214.
- Elston, W. E., The Mogollon Plateau volcanic province: Possible connection with ring-dike complexes and lunar craters (Abs.): Ibid., 1965, p. 239.
- Elston, W. E., and Lambert, P. W., and Smith, E. I.) Striated cones: Wind-abrasion features, not shatter cones: Goddard Space Flight Center Conf. on Shock Metamorphism of Natural Materials, Program, 1966, p. 44-45.
- Elston, W. E., Ring-dike complexes: Possible analogs of lunar craters (Abs.): Am. Geophys. Union Trans., v. 47, no. 1, 1966, p. 148.
- Fitzsimmons, J. P., A glance at the birds of southwestern New Mexico, New Mexico Geological Society, 16th Field Conference Guidebook, 1965, pp. 236-237.
- Gibbs, R. J., Errors due to segregation in quantitative clay mineral X-ray diffraction mounting, technique, 1965, Am. Mineralogist, 50, p. 741-751.
- Gibbs, R. J., Quantitative X-ray diffraction analysis using clay mineral standards extracted from the samples to be analyzed, submitted Nov. 1965 to Am. Mineralogist.
- Kelley, V. C., and Furlow, J. W., Lower Paleozoic wedge edges in south-central New Mexico: new control; Geol. Soc. Am. Bull., v. 76, p. 689-694.

- Kelley, V. C., Relationships of rock fractures:
 Jour. Geology, v. 73, p. 668-669.
- Northrop, S. A., 1965, Bibliography of theses
 and dissertations on New Mexico geology from
 institutions other than U.N.M., 1903--1963:
 Univ. New Mexico Dept. Geology, 26 p.,
 Ditto'd (limited distribution.)
- Northrop, S. A., 1966, University of New Mexico
 contributions in geology, 1898--1964: Univ.
 New Mexico Pub. in Geology No. 7, 152 p.,
 2 pls. (in press as of May 9; may be issued
 around June 1).
- Rosenzweig, A., and Morosin, Bruno (1965). The
 crystal structure of GaHbO_3 : Acta Crystallo-
 graphica, v. 18, p. 874-879.
- Rosenzweig, A., Graeber, E. J., and Morosin, Bruno,
 1965, The crystal structure of Krausite,
 $\text{KFe}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$: American Mineralogist, v. 50,
 p. 1929-1936.
- Rosenzweig, A., Asprey, L. B., Kruse, F. H., and
 Penneman, R. A., 1966, Synthesis and X-ray
 properties of alkali fluoride-protactinium
 pentafluoride complexes: Inorganic Chemistry,
 v. 5, p. 659-661.
- Rosenzweig, A., and Morosin, Bruno, 1966, A rein-
 vestigation of the structure of LiIO_3 : Acta
 Crystallographica (in proof).
- Wengard, S. A., 1965, "Pleistocene age of the
 'Eocene' Ridgway Till, Colorado", Bull. Geol.
 Soc. America, v. 76, no. 12, p. 1401-1408,
 with Kirtley F. Mathor.
- Wengard, S. A., 1965, "Sponsors, section editors,
 and stuff", The Professional Geologist (AIPG),
 v. 2, no. 6, p. 2. (Editorial)
- Wengard, S. A., 1966, "Who Should Know", The Pro-
 fessional Geologist (AIPG), vol. 2, no. 1, p. 2.
 (Editorial)
- Wengard, S. A., 1966, "Echo of a Choice", The
 Professional Geologist (AIPG), v. 3, No. 2,
 p. 2 (Editorial) (Distribution to all geolo-
 gists in North America, 29,000).
- Wengard, S. A., 1966, "That Will Happen", The
 Professional Geologist (AIPG), v. 3, No. 3,
 p. 2 (Editorial)

Woodward, L. A., Stratigraphy and correlation of Late Precambrian rocks of Pilot Range Nevada and Utah (Abs.): Geol. Soc. Amer. Spec. Paper; in press.

5. Other Research Projects or Creative Work in Progress

Roger V. Anderson. Principal Investigator for research Grant NSF GP-4200, two years, \$95,700, Climatic Cycles and Patterns in Varved Sediments - Castile Project.

Edgar F. Cruft. Continued work on NSF-GP-4200 with R. V. Anderson. Preparation of new proposal for 1967 to follow this. Preparation for NASA Proposal on "Evolution of Nitrogen in Atmosphere". Research on trace elements in salts to determine past composition of oceans.

Wolfgang E. Elston. NASA Research Grant NGR-32-004-011 (A comparative study of lunar craters and terrestrial volcano-tectonic depressions in rhyolite ash-flow plateaus) renewed for two years, in the amount of \$51,240. Editorial work for New Mexico Bureau of Mines and Mineral Resources.

Vincent C. Kolley. Uranium deposits of the Grants districts. Geology of the Canjilon diatreme. Pajarito Mountain Precambrian. Lincoln County Porphyry Belt. Permian Stratigraphy of the Roswell Basin. Structure of the Pecos slope.

Stuart A. Northrop. Conducted questionnaire survey in New Mexico and Colorado of the Dulce, New Mexico earthquake

of January 22, 1966, for the Seismological Field Survey, U. S. Coast and Geodetic Survey. Wrote brief report on the geology of the Dulce-Lumberton area, New Mexico to be included in the U. S. Coast and Geodetic Survey's report on this earthquake and its continuing aftershocks. In progress, as joint author with Lucien A. File, of the New Mexico Bureau of Mines and Mineral Resources, preparing manuscript on County, Township, and Range locations of New Mexico mining districts, subdistricts, and camps (to be published by the Bureau in its Circular series.)

Abraham Rosenzweig. Continuing study of secondary copper minerals. Crystallography of uranium and transuranium fluoride complexes.

Sherman A. Wengerd. "Oil and Gas Possibilities of Hidalgo County, New Mexico", Chapter in Bulletin 76, Mineral Resources of Hidalgo County, New Mexico, by Wolfgang Elston, in press. Geology and Petroleum Potential of Northwest Paradox Basin (completed April 1, 1966). Wrench Faulting and Salt Tectonics in Northern Spain (not released for publication). Salt Tectonics and Sedimentary Controls in the Cuanza Basin of Angola. Raised Marine Features and Beach Sands of Ensenada San Francisco, Sonora. "Preparation of Manuscripts for the Bulletin" will be published as a major manuscript by the

American Association of Petroleum Geologists in September, 1966. Two more AAPG Editorials.

Lee A. Woodward. Research Allocations Committee, UNM, \$450.00, Late Precambrian Stratigraphy of Pilot Range, Nevada and Utah; study completed. Petrogenesis of rocks of Yogo Peak, Montana; in progress.

6. Activities in Societies

Roger V. Anderson. Member Geological Society of America, AAAS, New Mexico Federation of Teachers. Member of Professional Development Panel, Council on Education in the Geological Sciences (American Geological Institute) November meeting. Paper read with W. E. Dean, Jr. at New Mexico Geological Society Annual Meeting in Roswell, New Mexico.

Edgar F. Graft. Member Geochemical Society; American Geophysical Union; Mineralogical Society; American Institute of Physics (Society for Applied Spectroscopy). Talk on "Recent Advances in Geochemistry", New Mexico AIGS annual meeting, Albuquerque, (guest lecturer) April, 1966. Attended Geological Society of America annual meeting in November.

Wolfgang E. Blaton. Served as Past President on Executive Committee of the New Mexico Geological Society. Served as State Editor, American Institute of Professional

Geologists. Served on the Executive Board, New Mexico Section, American Institute of Professional Geologists. Attended Oregon-New York Academy of Sciences Lunar Geological Field Conference, Bend, Oregon, August 22-28, 1965. Read paper. Attended 16th Field Conference, New Mexico Geological Society, Southwestern New Mexico, October 15-17, 1965. Served on road log committee, led about one-third of the field trips, and contributed articles to the guidebook. Gave talk on "Craters on Earth, Moon, and Mars" to the Albuquerque Geological Society luncheon, January 18, 1966. Attended (by invitation) NASA-Carnegie Institute-U. S. Geological Survey Conference on shock metamorphism of natural materials, Goddard Space Flight Center, Maryland, April 14-18, 1966. Read paper. Attended annual meeting of Rocky Mountain Section, Geological Society of America, Las Vegas, Nevada, May 13-15, 1966. Elected to membership in American Geophysical Union. Attended 47th Annual Meeting, Washington, D. C., April 19-22. Read paper. Gave talk on "Craters on Earth, Moon, and Mars" to founding session, Los Alamos Geological Society, Los Alamos, New Mexico, May 17, 1966.

Dr. Paul H. Fitzgerald. Editor of 16th Field Conference Guidebook for the New Mexico Geological Society. Read paper at Annual Meeting of New Mexico Geological Society at Roswell, May 7, "Oribular Granite in the Sandia Mountains". Attended annual meeting of New Mexico Ornithological Society in Albuquerque

October, 1966.

Ronald J. Gibbs. Attended national meeting of the Geological Society of America at Kansas City.

Vincent C. Kelley. Member Advisory Board U. S. Bureau of Land Management. Member AAPG Tectonics and Structure Committee. Member Student Relations Committee, AIME. Member U. S. Geological Survey. Registered New Mexico Professional Engineer No. 3982. President and Past President of Albuquerque Geological Society. Attended numerous meetings of Albuquerque Geological Society, AIME, Roswell Geological Society and New Mexico Geological Society. UMI Representative and guest to Phillips Petroleum Research Laboratory, Bartlesville, Oklahoma. Moderator of New Mexico Geological Society annual meeting in Roswell, New Mexico.

Stuart A. Northrop. Attended 16th Field Conference, New Mexico Geological Society, in southwestern New Mexico, October 15-17, 1965. Editor, New Mexico Geological Society Guidebook for 17th Field Conference, to be held next October in northeastern New Mexico.

Sherran A. Vengard. Elected National Editor of American Institute of Professional Geologists, October 1965 to November 1966. Honorary life member Four Corners Geological Society.

Active member of Albuquerque and New Mexico Geological Societies. Attended AIPG Second Annual Meeting in Denver, as Editor-Elect, October 1965. Served on Professional Geologists Screening Board for New Mexico June 1965 - January 1966. National Screening Board AIPG, Geologists Certification, October 1965 - October 1966. Pro-tem Foreign Editor for AAPG major paper on Cuanza Basin by Brognon and Verrier, published January Issue, 1966, v. 50, no. 1, p. 108-158. March 1, 1966 appointed General Associate Editor of AAPG to serve from April 1966 to April 1969. Attended Editors meeting and past officers meeting of American Association of Petroleum Geologists, St. Louis, Missouri, April 26- 29, 1966. Served as Proxy Delegate for Albuquerque Geological Society and New Mexico District to AAPG Business Committee St. Louis, Missouri, April 26, 1966. Executive Committee meetings of AIPG, October 6, 1965 at Denver, Colorado; February 5 - 6, 1966 at Golden, Colorado; April 25, 1966 at St. Louis, Missouri.

Lee A. Woodward. Attended Geological Society of America Cordilleran meeting and presented paper "Stratigraphy and Correlation of Late Precambrian Rocks of Pilot Range, Nevada and Utah". Attended New Mexico Geological Society annual meeting

and presented paper "Late Precambrian Tectonic Setting of the Eastern Great Basin". Presented paper "Structural Geology of the Egan Range, Nevada" before Albuquerque Geological Society and again before Four Corners Geological Society.

7. Other Professional Activities

Roger Y. Anderson. Correspondent, Rocky Mountain Region, for Journal MICROPALAEONTOLOGY, Annual News report published in Journal.

Edgar F. Cruft. Consultant to W. E. Elston's NASA grant on trace element determinations. Much of this year devoted to building new mass spectrometer lab in Geology Department. Now fully operational and research is in progress.

Wolfgang E. Elston. Signed consulting contract with Sandia Corporation, February 23, 1966. Attended by invitation dedication of U. S. Geological Survey Center of Astrogeology, Flagstaff, Arizona, October 18-19, 1965. Invited to lecture on "Ring-dike complexes as possible analogs of luna craters", U. S. Geological Survey Center of Astrogeology, Flagstaff, Arizona, March 28-29, 1966. Gave advice on mineral resources and lunar interpretations to several companies and individuals.

J. Paul Fitzsimmons. Translation of "The Mechanical Properties of Rocks" from Russian. Consisted of about 150 pages for Consultants Bureau Enterprises, Inc.

Vincent C. Kelley. NSF Consultant on Institutional Facilities (Examination and Review). Consultant ETS planning and writing GRE test for Earth Sciences. Gave talk on "Geologic framework for the origin of uranium". Invited to teach summer courses at University of California, Santa Barbara.

Stuart A. Northrop. TV news spot in February 1966 on New Mexico earthquakes with special reference to the Dulce, New Mexico earthquake of January 22. Geologist, w.a.e., U. S. Geological Survey. New Mexico Collaborator in Seismology, Seismological Field Survey, U. S. Coast and Geodetic Survey.

Abraham Rosenzweig. Visiting lecturer, American Geological Institute. Visited Eastern New Mexico University and midwestern University March 15-21, 1966. Consultant Sandia Corporation. Consultant Los Alamos Scientific Laboratory.

Sherman A. Wengerd. Organizing Committee for second National Research Reserve Seminar, Albuquerque to be held August 1966. Reappointed to committee for third seminar to be held August 1966. Staffing Liaison for American Petrofina Exploration Company. Visit to Guayamas Space Tracking Center, Spring, 1965. Conferences with Dr. Bejnar and Dr. Donnelly of

Highlands University on establishing geological courses. Visited Universities of Chihuahua, Sonora, and Mexico, August 1965. Gave series of lectures before Institute of Scientific Research, Highlands University, October 21-22, 1965 on "Oceanography and Stratigraphic Analysis" and "Oceanography". Petrofina Research and Operational Personnel Conferences in Albuquerque June 1-3, 1965, in Denver, Colorado February 3-4, 1966 and in Albuquerque April 12-13, 1966. Field work (geology) in Arizona, Utah, and Colorado, July 12-19, 1965. Field work on Dwight Deal's Ph.D. dissertation area in Gila Wilderness in late May and early June of 1965. Guest lecturer in classes of other UNM professors. Gave brief lecture on AAPG convention to Albuquerque Geological Society May 3, 1966. Appointed 20 section or state editors for AIPG.

8. Non-Teaching University Services

Roger Y. Anderson. Applications written for NSF, NDIA Fellowships, Contract Research Committee, Graduate Awards Committee, Chairman of Committee on Paleocology, Faculty sponsor of SDS.

Edgar F. Cruft. Set up Department Library on NASA funds (current journals). Faculty sponsor of Sigma Gamma Epsilon, Geological honorary. Visiting speakers organizer. Faculty contact, American Geophysical Union, visiting lecturers, etc.

Wolfgang E. Elston. Served on University Committee on Contract Research and Patents.

J. Paul Fitzsimmons. Member of Library Committee. Acting Department Chairman, Semester I. Chairman of one dissertation committee, and member of 9 dissertation committees.

Vincent C. Kelley. Chairman, Department of Geology. Chairman, 9 dissertation and thesis committees. Member of 15 dissertation and thesis committees. Host to Harold C. Urey, Nobel Laureate for Sandia Colloquium.

Stuart A. Northrop. Outstanding Teacher Award Selection Committee. Admissions Committee, UNM Chapter of Sigma Xi. Curator of Geology Museum. See separate report on the Geology Museum.

Sherman A. Wengard. Arranged lecture by Commander Jerry Van Alsbury on "Research, Readiness, and Strategy" before UNM Naval ROTC, November 30, 1965. Member of UNM Athletic Council. Member of "21" Club. Career advising to students. Raising capital and library gifts to UNM Department of Geology. Identifying rocks and minerals for public. Represented University of New Mexico at brainstorming session of New Mexico Water Resources Research Institute, November 5-6, 1965 at Las Cruces, New Mexico at request of Academic Vice President. Faculty

pre-party welcome for seven newcomer couples October 1, 1965.

Entertained and toured Dr. A. T. Wells of Bureau of Mineral Resources of Australia on his visit to UNM, July 7-10, 1965.

Entertained Dr. William Tanner and 12 advanced geology students of Florida State University on their tour and visit to UNM.

Chairman of Ad Hoc Committee of Geology Department on Graduate Assistantships. Served on M.S. Thesis Committee in Engineering for John Colp of Sandia Base. Helped entertain visiting Latin-American visiting professors March 31, 1966.

9. Public Service

Roger V. Anderson. Leader of group discussions at Newman Center and Unitarian Church youth groups. Identifying rocks and fossils for public, museum tours for Cub Scouts.

Wolfgang E. Elston. Gave talk on the moon to the Albuquerque Gem and Mineral Club March 14, 1966. Active in Cub Scouting.

Stuart A. Worthrop. Member of the Vestry, St. Mark's-on-the-Mesa Episcopal Church. Identified fossils for the public. Illustrated talk on Switzerland given to the fourth grades at Mark Twain Elementary School May 13, 1966.

Abraham Rosenzweig. Member of Board of Directors of Albuquerque Children's Theater. Participated in production of James Thurber's "Many Moons", Albuquerque Children's Theater.

Sherman A. Wengerd. Membership Officer of Naval Reserve Research Company 8-7. Active member of the company until April 1, 1966, and of NROS 8-6 until February 1, 1966. Active member of First Congregational Church. Lecture to Naval Research Company 8-7, "Petroleum Research," "Petroleum Research, Oceanography, and Stratigraphic Analysis - A Synthesis". Supervised merit badge studies in Oceanography for Explorer Scouts. Entertained entire Naval Reserve Research Company 8-7 and wives May 4, 1966 celebrating retirement from active Reserve of U. S. Navy. Donated a part of my geologic library to the Navajo Indian Tribe.

Lee A. Woodward. Guided field trips for geology for Girl Scouts, Judith Mountains, Montana, and geology of Little Belt Mountains for Stanford Rock and Gem Club, Montana.

10. Personal Information

Sherman A. Wengerd. Member Harvard Club of New Mexico. Member of Harvard-Yale-Princeton Club of Albuquerque. Listed in "World Who's Who in Science" (1700 to present). Celebrated 25th wedding anniversary June 12, 1965. Requested retirement to Reserve Retired List, as Captain U.S.N.R. 151 502/1355, as of July 6, 1966.

The Report of the Department of Government
July 1, 1965 - June 30, 1966
E. C. Hoyt, Chairman

I. General Departmental Information

A. New faculty made it possible to add course offerings in Comparative Politics of Communist Countries and a new course in American Government (Congress and the Presidency).

We also instituted a new seminar, Readings in Political Science, for selected honors undergraduates as well as graduate students. Five faculty members participated in this seminar, intended to integrate students' knowledge of the entire field and permit them to discuss and compare approaches and concepts in a way that is not possible in large lecture courses.

Consequent upon reorganization of the Division of Foreign Studies (now the Division of Inter-American Affairs), the Department was made responsible for administering the combined majors in Western European Studies and in Russian Studies, as well as a minor in the latter field.

B. The Department has begun tentative planning for the introduction of a Ph.D. program in the academic year 1968-69.

C. Effective September, 1966, four new faculty members have been appointed:

Martin C. Needler, Ph.D., Harvard University 1960,
Associate Professor of Government
and Director, Division of Inter-
American Affairs.

-2-

Mark Neuweld, Ph.D. Harvard University 1956, Associate
Professor of Government.

Harold V. Rhodes, Ph.D. Univ. of Arizona 1964, Assistant
Professor of Government.

Lawrence Littwin, Ph.D. expected, New York University,
Assistant Professor of Government.

In addition, Helen Ingram, a visiting faculty member
this year was appointed Assistant Professor of Government
effective July 1, 1966.

D. Frederick C. Irion (Associate Professor of Government
and Director of the Division of Government Research) died
December 11, 1965.

II. Composite of Information requested on individual biographical supplements.

1. Advanced Study:

INGRAM, HELEN. B.A. - Oberlin College - 1959. Ph.D. - Columbia
University - 2nd draft in progress. Final acceptance expected
September, 1966.

WOLF, T. PHILLIP. Continued work on Ph.D. dissertation.

2. Sabbaticals, etc.:

None

3. New Scholastic Honors:

RANIS, PETER. Social Science Research Council Grant, summer,
1966.

4. Publications:

CLINE, DOROTHY I. "An Analysis of Intergovernmental Relations
in Natural Resources in New Mexico" in collaboration with Joel
V. Barrett. Summary Reports on New Mexico's Resources. Phase
I. State Resources Development Plan, State Planning Office,
Santa Fe, Feb. 1966. pp. 9-13; "An Analysis of Intergovernmental
Relations in Natural Resources in New Mexico" in collaboration

-3-

with Joel V. Barrett. Part II. A Directory of Government Agencies - Federal, State, Interstate, International. State Planning Office, Santa Fe, June, 1966. 185 pages; "A Comprehensive State Plan & New Mexico State Government," Frame of Reference for Evaluating New Mexico Resources, Phase I. State Research Development Plan, SPO, 1965. pp. 1-17. Preliminary draft; "Yesterday's Rebels," Western Review. Vol. 3, No. 1 Summer 1966. pp. 11-12.

HOYT, EDWIN C. "Law and Politics in the Revision of Treaties Affecting the Panama Canal", Virginia Journal of International Law, Vol. VI, No. 2 (1966). Approx. 25 pp.

JUDAH, CHARLES B. Life in the North During the Civil War (with G. W. Smith), 388 pages, University of New Mexico Press, March 1966.

RANIS, PETER. "Peronismo Without Peron: Ten Years After the Fall (1955-1965)", Journal of Inter-American Studies, Jan. 1966, pp. 112-128; Book Review - Latin American Government and Politics by Edelmann, Southwestern Social Science Quarterly, May, 1966.

STUMPF, HARRY P. "The Political Efficacy of Judicial Symbolism," Western Political Quarterly, June, 1966, (15 pp., approx.); "Congressional Response to Supreme Court Rulings: The Interaction of Law and Politics," Journal of Public Law, Winter, 1966, (19 pp.)

WOLF, T. PHILLIP. "Party Loyalty among Party Workers," Rocky Mountain Social Science Journal, II (Oct., 1965), 134-144. "The Students are Restless," Western Review, III (Summer, 1966), 10-11.

5. Other research projects:

CLINE, DOROTHY I. Completed 2 yr. project for State Planning Office. \$8000 HHFA grant: Intergovernmental Relations in Natural Resources in New Mexico.

HOYT, EDWIN C. Research for book on the political and legal thought of John Bassett Moore. (Research grant, J. B. Moore Publications Fund, \$7810.00). I will try to complete this work during 1966-67 sabbatical leave.

JUDAH, CHARLES B. Documentary History of the U. S. Army in the War with Mexico, with G. W. Smith, in progress.

-4-

RANIS, PETER. Major Latin American Powers: A Comparative Approach (book in progress); Political Leadership in Argentina: Social Background and Political Attitudes (book in progress); Parties, Politics and Peronism: A Study of Post-Peron Political Development (book in progress).

STUMPF, HARRY P. "New Mexico: The Political State," chapter (40 pp.) in forthcoming The Politics of the American West, ed. Frank H. Jonas, Univ. of Utah Press, 1966; "Legislative Reapportionment in New Mexico," chapter (30 pp.) in Politics of Reapportionment in the West, ed. Eleanor Bushnell, Univ. of Washington Press, forthcoming; UNM Research Grant, A Congressional Reversal of a Supreme Court Decision (research still in progress); The Politics of Judicial Selection in New Mexico -- Research underway interviewing every New Mexico judge, random sample of State bar, gathering campaign and election data on New Mexico judicial recruitment. Expect the results to be published by the Division of Government Research; Book Reviews - Published: One Man's Reach: The Selected Writings of Judge Jerome Frank, Western Political Quarterly, March, 1966. (plus four more reviews forthcoming in Western Political Quarterly); Chapter on "Interdependence in Political Science" in Archie Bahm (ed.), Interdependence. Probable publisher: University of New Mexico Press.

WOLF, T. PHILLIP. Study of New Mexico's preprimary system, Study of Albuquerque politics (collaboration with Professor Cline), Report on New Mexico's nominating system for National Civic League (published in the revised appendix of The Model State Primary) Survey of in-service training for employees of local governments in New Mexico (National Municipal League - \$500, Aug.-Sept., 1965).

6. Activities in learned and professional societies:

CLINE, DOROTHY I. Paper, National Municipal League, St. Louis, Nov. '65. "Reapportionment in New Mexico." Active, American Society for Public Administration.

HOYT, EDWIN C. Executive Council, Amer. Soc. of Int'l Law. Attended annual meetings of Am. Pol. Sci. Ass'n, Washington, D.C., Sept. 1965; Western Pol. Sci. Ass'n, Reno, Nevada, March 1966; Am. Soc. of Int'l Law, Washington, D. C., April 1966.

-5-

RANIS, PETER. Paper given at Western Political Science Association Meeting March, 1966 "A Two-Dimensional Typology of Latin American Political Parties."

STUMPF, HARRY P. Discussant, Public Law panel, Western Political Science Meeting, Reno, Nevada, March, 1966; Chairman, Public Law Panel, Southwest Political Science Meeting, New Orleans, April, 1966; Discussant, Panel on the federal appellate process, Midwest Political Science Meeting, Chicago, April, 1966; Program Chairman and Vice-President, Southwest Political Science Association, 1966-67; Discussant, Panel on Administrative Agencies, American Political Science Meeting, New York. Sept., 1966.

WOLF, T. PHILLIP. Member of: American Political Science Assoc. (attended annual meeting, 9/65); Southern Political Science Assoc.; Rocky Mountain Social Science Assoc.; International Political Science Assoc.; V. President, N. Mex. Chapter of American Society for Public Administration.

7. Other professional activities:

CLINE, DOROTHY I. Part-time paid work - Appointed 1966 Director, Summer Intern Program in State Government; Consultancies - City Charter Revision Commission Aug. 1965; NBC Re-election data, Dec. 1965; Offices - Chairman, Program Committee (and moderator) Governor's Conference on Civil Rights, Aug. 1965; Prepared Speeches - AAUW (legislative Process); LWV (constitutional amendments; reapportionment; Del Norte H.S. (interpreting The News - 3 classes; Mortar Board (careers in government); Stevenson Memorial; Testified before the city commission on urban renewal.

HOYT, EDWIN C. TV lecture on "Russian Marxism" for Professor Alexander's course in Humanities.

WOLF, T. PHILLIP. Editorial reading of three manuscripts for the Western Political Quarterly. Read 70 pp. text prospectus for Dorsey Press. Talks on the U.N.: University of Albuquerque, Civitan Club, Christ Methodist Church. Speech on voting laws at 1st Unitarian Church.

8. Non-teaching University service:

CLINE, DOROTHY I. Extension committee; advisor to 40 freshmen.

-6-

HOYT, EDWIN C. Administrative Committee; Advisor to Model United Nations.

JUDAH, CHARLES B. American Studies Committee.

STUMPF, HARRY P. Supervisory Board, Division of Government Research; University Library Committee.

WOLF, T. PHILLIP. University College advisor, Pi Sigma Alpha advisor, Board of Div. of Govt. Research (through 10/65), Scholarship Committee of College of Arts & Sciences, Program Board & General Board of UNM Wesley Foundation.

9. Public Service:

CLINE, DOROTHY I. Attended at personal expense, 1966 Democratic Women's Conference, Washington, D.C. to secure information for Government 308 - "Politics in Action". Arranged 4 day UNM - community itinerary for British-American Associate; Served as hostess; chaired meetings.

HOYT, EDWIN C. Board of Directors, Association for the United Nations - Albuquerque Chapter.

WOLF, T. PHILLIP. Led series of discussion meetings at Wesley Foundation on religious obligation and public affairs (Fall, 1965).

10. Personal information:

RANIS, PETER. Born, a girl, Sept. 17, 1965.

WOLF, T. PHILLIP. Adopted one son (Lance Alan) August, 1965.

THE REPORT OF THE DEPARTMENT OF HISTORY

July 1, 1965 - June 30, 1966

Edwin Lieuwen
Chairman

I. General Departmental Information

A. Significant Achievements

1. The following courses were added to the curriculum effective Semester I, 1966-67:

- a. Hist. 311 Ancient Civilizations of the Near East
- b. Hist. 323 The Renaissance
- c. Hist. 328 European Social & Intellectual History, 1762-1870
- d. Hist. 329 European Social & Intellectual History, 1870 to Present
- e. Hist. 340 Military History of Europe Since 1790
- f. Hist. 372 Urban History of the United States
- g. Hist. 520 Seminar in Ancient History
- h. Hist. 540 Seminar in European Social & Intellectual History

2. Activities beyond the formal curriculum:

- a. Sponsored public lecture on November 16, 1965, by Professor Russell Fitzgibbon of the University of California, Santa Barbara.
- b. Sponsored public lecture on March 25, 1966, by Professor William McNeill of the University of Chicago.

- c. Phil Alpha Theta Fourth Southwestern Regional Conference on campus, March 25-26, 1966, with delegates from seven southwestern institutions besides UNM. Addresses by Professor William McNeill of the University of Chicago and Professor Harry Bender of Yale University.
- d. Awarded Ford Foundation Five-Year grant for study of social revolutions in Latin America.
- e. History Department moved to south wing of Mesa Vista Dormitory, January, 1966.
- f. Professor Barrett Beer appointed Assistant to Dean Trowbridge effective September 1, 1966.
- g. Mrs. Janet Vanderveen appointed half-time secretary effective July 1, 1966.

3. Honors:

- a. History major David Hughes awarded Woodrow Wilson fellowship.
- b. History graduate students Peter Smith and Tom Davies awarded Doherty Foundation fellowships.
- c. History majors Edith Elser and James C. Brown elected to membership in Phi Beta Kappa.

B. Significant Plans and Recommendations for the Near Future

- 1. Addition of staff members in Ancient and Medieval History, and U.S. Diplomatic History.

2. Additional graduate assistants -- one for each 3% increase in History enrollment.

C. Appointments to Staff

1. Ronald Dolkart appointed Assistant Professor of History, effective July 1, 1966.
2. W. Warren Wagar appointed Associate Professor of History, effective July 1, 1966.
3. Schafer Williams appointed Visiting Professor of History for academic year 1966-67.
4. Benjamin Keen appointed Visiting Professor, Summer 1965.
5. I. J. Sanders appointed Visiting Professor, Summer 1965.

II. Composite of information requested on individual biographical supplements:

1. Advanced Study

- a. SCHULTZ, R. Awarded Ph.D., University of Southern California, June, 1966.

2. Sabbatical, Summer Teaching, Travel, etc.

- a. POTTSBURGH, G. Summer 1965 taught at Univ. of Massachusetts.
- b. SHARPLEY, D. Summer 1965 taught at Utah State University.
- c. SMITH, G. Summer 1965 - research in North Carolina, Washington, D.C., etc.
- d. SONNINO, P. Summer 1965 taught at California State College at Long Beach.

3. New Scholastic Honors, Fellowships, etc.

- a. BEER, B. Research Grant from American Philosophical Society for research in England, Summer, 1966.
- b. FROST, R. Appointed Associate Professor of History at Colgate University for 1966-67.
- c. IKLE, F. Grant in Asian Studies, American Council of Learned Societies, for Fall 1966. Research Allocations Committee Grant for Fall 1966.
- d. LIEUWEN, E. Research Fellow at Mereson Foundation (Ohio State University) Summer 1965.
- e. SKABELUND, D. Honorary member of Blue Key.

4. Publications

A. Books and Monographs

1. LIEUWEN, E. Book: United States Policy in Latin America, Praeger, 1965.
2. LIEUWEN, E. Monograph: The U.S. and the Challenge to Security in Latin America, Ohio State Univ. Press, 1966.
3. ROTHENBERG, G. Book: The Military Border in Croatia 1740-1881, University of Chicago Press, 1966.
4. SMITH, G. Book: Life in the North During the Civil War, A Source History (with Charles Judah), University of New Mexico Press, 1966.

5. SONNINO, P. Book: Louis XIV's View of the Papacy: 1661-1667. University of California Press, 1966.

B. Articles

1. IKLE, F. "Japanese-German Peace Negotiations in World War I," American Historical Review, October 1965, p. 62-77.
2. LIEUWEN, E. "United States Military Policy in Latin America," Vital Issues, May 1966.
3. ROTHENBERG, G. "Jelacic, the Croatian Military Border and the Intervention Against Hungary in 1949," Austrian History Yearbook I (1965), 45-73.
4. ROTHENBERG, G. "Die Militärgrenze," Vol. III, Militärverwaltung und Heeresaufbringung in Österreich bis 1806, of Handbuch zur deutschen Militär geschichte 1648-1939. Issued by Militärgeschichtliches Forschungszamt, Freiburg i. Br. Frankfurt: Bernard & Graefe Verlag für Wehrwesen. 1965. pp. 28-44.
5. ROTHENBERG, G. "Franklin D. Roosevelt's Birthday," Holidays, pp. 10-16. New York, Franklin Watts, 1965.
6. ROTHENBERG, G. "Veterans Day," pp. 124-30. in ibid.
7. SKABELUND, D. "Orson Pratt's Key to the Universe" accepted for publication by Centaurus, Copenhagen, 17 pp. In press.

C. Book Reviews

1. DYKSTRA, R. Kiell, Psychological Studies of Famous Americans, in Journal of Southern History, August, 1965.
2. IKLÉ, F. Drechsler, Deutschland-China-Japan in American Historical Review, January 1966.
3. IKLÉ, F. Von Vorys, Political Development in Pakistan in Journal of Modern History, June 1966.
4. LIEUWEN, E. Poppino, International Communism in Latin America in Journal of Politics, Fall, 1965.
5. ROTHENBERG, G. Croatia: Land, People, and Culture in Journal of Modern History, XXXVII (1965), 359-60.
6. ROTHENBERG, G. Die Ungarische Agrarentwicklung im 16.-17. Jahrhundert, in American Historical Review, LXX (1965), 1201-202.
7. ROTHENBERG, G. George of Bohemia: King of Heretics, in The Historian, Feb. 1966, 320-21.
8. ROTHENBERG, G. The Frontier Steppe of Europe 1500-1800, in Slavic Review XXIV (1965), 322-23.

5. Research

A. Completed

1. IKLÉ, F. "A New Interpretation of the Tripartite Intervention," to appear in Mohumenta Nipponica.
2. LIEUWEN, E. Director, UNM Research Project for AFOSR on Possible Threats to U.S. Security in Latin America, completed July, 1965.

3. SKABELUND, D. "The Intension and Remission of Qualities" (a study of mathematical methods in 14th century alchemy), 35 pp.
4. SKABELUND, D. "A History of Alchemy as Science."
5. THURMAN, M. The Naval Department of San Blas: Military Bastion to Alta California. Glendale: The Arthur H. Clark Co., to appear Sept. 1966. 350 pp.
6. THURMAN, M. The Military Conquest of California, 1769-1795 in conjunction with Major T.M. Allen, U.S. Marine Corps.

B. In Progress

1. DYKSTRA, R. Statistical study of vote on Negro suffrage in Iowa in 1868, as a measure of grass-roots attitudes toward the Negro in the North in the Civil War era (joint authorship with Harlan Hahn, Univ. of Michigan).
2. DYKSTRA, R. The Cattle Town Experience, for submission as book MS in summer of 1966.
3. FROST, R. Book on Tom Mooney case.
4. IKLE, F. Biography of Sir Mark Aurel Stein.
5. LIEUWEN, E. Director, Ford Foundation Grant (\$275,000) for Study of Process of Social Revolution in Latin America.
6. ROTHENBERG, G. "Isolating the Guerrilla" study conducted by the Historical Evaluation & Research Organization for the U.S. Army Combat Development Command. 4 vols. Washington, D.C., 1966.
7. ROTHENBERG, G. "Changing Strategic Concepts," study conducted by HERO for the U.S. Air Force.
8. ROTHENBERG, G. "The Army of Francis Joseph."

6. Activities in Learned and Professional Societies

- a. DYKSTRA, R. Attended meetings of American Historical Association in San Francisco and Organization of American Historians, Cincinnati.

- b. FROST, R. Attended American Historical Association meetings in San Francisco, December, 1965.
- c. IKLÉ, F. Attended American Historical Association meetings in San Francisco, December, 1965. Seminar on Asia, Tucson, Arizona, February 1966, by NCA Foreign Relations Project, and University of Arizona; Talk on "Problems of Modern Japan."
- d. LIEUWEN, E. Attended American Historical Association meetings in San Francisco, December, 1965. Attended Latin American Research Review meeting at Cornell University, Oct. 1965.
- e. ROTHENBERG, G. Read paper, "The Nationality Problem in the Habsburg Army," at the First International Congress on the History of the Habsburg Monarchy, Bloomington, Ind., April 1966.
- f. SARGENT, C. Elected President, Rio Grande Chapter, Special Libraries Association.
- g. SONNINO, P. Attended American Historical Association meetings in San Francisco, December, 1965.
- h. THURMAN, M. Attended American Historical Association meetings in San Francisco, December, 1965. Attended Arizona Historical Convention, Tombstone, Arizona, May, 1966.

7. Other Professional Activities

- a. IKLÉ, F. Member, Panel Del Norte High School, Albuquerque, Discussion on Vietnam, Dec. 1965. Talk, AAUW, April, 1966, Albuquerque, "The U.S. and China." Talk, Phi Alpha Theta, May 1966, campus.
- b. LIEUWEN, E. Lecture, Cornell Student Forum, October, 1965. Lecture, State Univ. of New York, New Paltz, N.Y., October, 1965. Lecture, Washburn University International Studies Forum, April, 1966. Participant in Latin American Studies Seminar at Airlie House, Arlington, Virginia.
- c. ROTHENBERG, G. Talks to USMCR on Guerrilla Warfare. Consultant, Department of Defense.
- d. SONNINO, P. Talks -- Newman Center. Shirtsleeve Session KNHE.

8. Non-Teaching University Service

- a. BEER, B. Appointed Assistant Dean of College of Arts & Sciences, effective September, 1966.
- b. DYKSTRA, R. Scholarship Committee. Career Scholar program tutor.
- c. IKLE, F. Research Allocations Committee. Chairman, Promotion Review Board. History majors adviser.
- d. LIUWEN, E. Athletic Council. Graduate Adviser, Title VI Fellowship Committee.
- e. ROTHENBERG, G. Chairman, Graduate School Committee on Visiting Lecturers. University Research Allocations Committee. Adviser European Grad. Students and History Majors.
- f. SCHMUTZ, R. Campus adviser, Deseret Club.
- g. SKABELUND, D. Talk to Mathematics honorary and Biology honorary
- h. SMITH, G. Publications Committee.
- i. SONNINO, P. Member of Library, Fellowship, and Improvement of Teaching committees. Faculty Advisor for Phi Alpha Theta.

9. Public Service

- a. SARGENT, C. Chairman, Board, Sombra Del Monte Christian Church. Committeeman, Troop 285, Boy Scouts.
- b. SCHMUTZ, R. Active in various assignments in LDS (Mormon) Church. Chairman, Boy Scout Advancement Committee, Troop 207.
- c. SKABELUND, D. Talk at Unitarian Church, October 1965, "Challenge and Response in the Evolution of World Views."
- d. THURMAN, M. Cub Scouts, Naval Reserve Association.

10. Personal Information

- a. THURMAN, M. Appointed Lieutenant Commander, U.S. Naval Reserve, October, 1965.

The Report of the Department of Journalism
July 1, 1965 - June 30, 1966
Keen A. Rafferty, Chairman

I. General departmental information

- A. Significant achievements during the academic year,
1965-'66: The year marked the department's greatest
period of growth, with 107 majors including freshmen,
and with a large increase in staff and budget
allotments.

It also marked the first time in six years that
the department had been examined and re-approved for
accreditation by the American Council on Education
for Journalism.

The department was reaccredited until 1971 and
appeared to be statistically near the top among twelve
journalism programs examined for accreditation or
reaccreditation during the period. It ranked second in
grade level ("A"s and "B"s). The accreditation report,
while critical of some aspects of the department's
condition, spoke of it as one of the best small
departments of journalism in the United States.

The department has prepared for the new fiscal year
with a 50 per cent increase in teaching staff and an
increase in funds for expenses, including expense of a
nine-month teletype news service each day for class use.

Salary allotments enable the department to expand its secretarial hours and its use of assistants in grading and as aides otherwise to faculty people.

The department now also expects to return to offering every course at least once a year and to overlapping of first-semester and second-semester courses each year.

- B. Significant plans and recommendations for the near future are extensive but lie in large part in the judgement of Professor Hillerman and Professor Jermain, who will be responsible for curricular developments to a great extent, due to the planned retirement July 1, 1967, of Professor Rafferty. The proposals may well include consideration of inclusion of work for the master's degree in journalism, with some reliance on advanced courses in other departments, and expansion of offerings to include the more creative courses in advertising and broadcast news.
- C. Appointments to the staff include that of Anthony G. Hillerman as associate professor, with the understanding that he will assume the chairmanship July 1, 1967, and the expected reappointments of Visiting Lecturers James Abarr and G. Millard Hunsley. Secretarial hours for Miss Frances Hixon are to be expanded by about two hours a day, and the assistance of seniors to faculty people will be approximately doubled.
- D. Separations from staff: There are none unless it is found that some of the work of the visiting lecturers is not needed, which seems unlikely.

II. Composite of information requested on individual
biographical supplements.

1. Advanced study: Professor Hillerman this spring (1966) receives the Master of Arts degree in English from the University of New Mexico.
2. Sabbaticals and leaves: None
3. New scholastic honors: None of significance
4. Publications:

Keen Rafferty:

Book review, "The Gentleman from Colorado: A Memoir," by Edward Keating, Denver: Sage Books, 1965. Page 478, Journalism Quarterly, Summer, 1965.

Book review, "The Careful Writer--A Modern Guide to English Usage," by Theodore M. Bernstein, New York: Atheneum, 1965, and "A Dictionary of Modern Usage," by H. W. Fowler, revised and edited by Sir Ernest Gowers, London: Oxford University Press, 1965. Page 685, Journalism Quarterly, Autumn, 1965.

Anthony Hillerman:

"The Black Death in the Southwest" (a report on vector control), True Magazine, Faucett Publications, New York, January, 1966; 5,000 words.

James Abarr:

Book reviews for the Albuquerque Journal.

Twelve installments of a travel series for Electric Lines publication of Public Service Co. of New Mexico.

Millard Hunsley:

Various newspaper items including Fresno, California mall story in August and Goddard Underground High School in September for the Albuquerque Journal and the New York Times.

5. Other research projects or creative work in progress or completed during this period: Professor Hillerman's thesis in English. Report by Professor Hillerman on

Folsom Man, accepted for publication in August, 1966.

Professor Jermain's continuing collection of press-law cases.

6. Activities in learned and professional societies:

Professor Rafferty served as a member of the editorial board of Journalism Quarterly and as alternate member of the accrediting committee of the American Council on Education of Journalism, and as member of the board of directors of the New Mexico chapter of Sigma Delta Chi. Professor Hillerman attended the spring meeting of the American Association of Schools and Departments of Journalism at Columbia University and the summer meeting of the New Mexico Press Association at Santa Fe. Professor Jermain, as well, served as a board member of New Mexico Sigma Delta Chi.

7. Other professional activities: All members of the faculty made numerous public appearances. Professor Rafferty spoke at the spring meetings of the New Mexico Associated Press Managing Editors and the New Mexico Associated Press Broadcasters, and was listed in the 34th edition of Who's Who in America.

Professor Jermain lectured at a workshop for club press chairmen, sponsored by Theta Sigma Phi. He presented speaker John Nugent, Newsweek Magazine, and presided, in a cultural series talk on Africa. He advised three smaller colleges on the set-up of this department.

Professor Hillerman was the moderator of Candidates Press Conference, Legislative Press Conference, KNME-TV. He was

banquet speaker at the New Mexico High School Press Association convention in the autumn.

Mr. Abarr is a copyeditor for The Albuquerque Journal and Mr. Hunsley is news editor of The Journal.

8. Non-teaching University service: Professor Rafferty is chairman of the Journalism Department and faculty adviser to Theta Sigma Phi. Professor Jermain served as chairman of UNM's registration committee, as adviser to the University of New Mexico chapter of Sigma Delta Chi for the 13th year, and as a University College adviser. He judged the annual Matrix publicity contest, helped in placement, gave graduate recommendations and helped with visitors. He served as an escort for commencement speaker and Mrs. Palmer Hoyt. Professor Hillerman served as chairman of the UNM Student Radio Board and Advisor to the Board of Student Publications.

THE REPORT OF THE DEPARTMENT OF MATHEMATICS AND STATISTICS

JULY 1, 1965 - JUNE 30, 1966

J. R. BLUM, CHAIRMAN

During the year 1965-66 the Department of Mathematics continued its steady progress, both in quality and quantity. 6,725 students were enrolled in Mathematics courses for a total of 22,242 student credit hours. This represents an increase of 501 students and 2,479 credit hours, or in terms of percentages 8% and 12.5% respectively.

I. GENERAL DEPARTMENTAL INFORMATION.

A. SIGNIFICANT ACHIEVEMENTS.

The two major achievements of the Department of Mathematics during this past year were a complete revision of the graduate program, and the highly successful initiation of an Undergraduate Honors Seminar.

The Department has felt for some time that our graduate offerings were extremely inadequate. A comparison with a number of institutions made it clear that we were deficient, both in the number of our courses and the depth of our program. Consequently an entire revision of the program was undertaken. Space limitations prohibit listing of all the new courses, but we feel that we now have a program which should be adequate for the next five years without any substantial changes.

The aims of the Undergraduate Honors Seminar are to discover, encourage, and develop mathematical talent by providing an opportunity to apply basic problem solving techniques to challenging problems for which the prerequisite knowledge is available and to present clear solutions to such problems in both written and oral form. The Putnam Intercollegiate Mathematics Competition and other outside sources of non-routine problems are used as an indication of the achievements of our program. It is hoped that successful operation of this program will lead to a decreased attrition rate and to increased recruitment of excellent students. In 1965-66, eleven students participated in the fall semester and eighteen in the spring semester. It is felt that considerable progress was shown in the first year of this seminar by the very positive response of almost all of the participants.

During the year approximately twenty research papers were produced by the members of the Department which have or will appear in various Journals. All of these papers were first published in the Technical Report Series. Two N.S.F. grants were made to the Department, each for approximately \$95,000.00. One of these is in the areas of Probability and Statistics, with Professor Blum as Chief Investigator, and the other is Analysis, which will be directed by Professor Epstein upon his return in the fall. The N.S.F. also continued to support our High School Teacher Summer Institute which is currently being directed by Professor Mitchell. Beginning next year Professor Hillman will assume the direction of secondary school projects of various kinds (Summer Institutes, Academic Year Institutes, etc.) and Professor Mitchell will return to her main interest, which is Mathematics Education at the Primary and Junior High School level.

Most of the curricular changes have already been discussed.

It is anticipated that in the foreseeable future the only curricular changes will be of a service nature, in response to needs from other segments of the University.

The Department awarded 32 Bachelor's Degrees, 9 Master's Degrees and one Doctorate. There are currently nine students who have completed all Doctoral requirements, other than the dissertation. Thus we expect an unusually large number of Ph.D.'s next year.

B. CURRENT PROBLEMS.

We still have some problems with regard to staffing in the areas of Algebra, and Numerical Analysis. While we were able to hire an excellent Numerical Analyst last year (Burton Wendroff), he was lured away by a considerably larger salary at the University of Denver. It is hoped that we will be permitted to make a major effort and bring in a junior and a senior man in each of the areas of Algebra and Numerical Analysis.

C. APPOINTMENTS TO STAFF.

In the Fall of 1965 Associate Professors A. Hillman, S. Kao, and Assistant Professors Jeffrey Davis, R. Metzler, and H. E. White, Jr. joined the Department.

In the Fall of 1966 Professor G. M. Wing, and Assistant Professors H. L. Bentley, R. Bierstedt, R. Griego, and A. Steiner will join us.

D. SEPARATIONS FROM STAFF.

Assistant Professor M. Janowitz resigned effective June 30, 1966 to accept a position at Western Michigan University.

Associate Professor Burton Wendroff accepted a position at Denver University.

Instructors Patrick Carr and Marion Moore have resigned, Mr. Carr to accept a position with Bemidji State College, Bemidji, Minnesota, and Mr. Moore will be joining North Texas State University.

II. INFORMATION FROM BIOGRAPHICAL SUPPLEMENTS.

1. ADVANCED STUDY.

Marion Moore continued to study toward the Ph.D. and should complete his studies by August, 1966.

2. SABBATICAL LEAVES, etc.

Professor Eugene Steiner was on leave for the 1965-66 year and taught at Texas Technological College.

Professor Bernard Epstein was granted an extension to June, 1966, to continue as liaison officer at the Office of Naval Research in London.

3. NEW SCHOLASTIC HONORS, etc.

Melvin Janowitz received an NSF Grant for research in Lattice Theory.

4. PUBLICATIONS.

J. R. Blum: 'On Roots of Transformations' w/N. Friedman, in *Wahrscheinlichkeitstheorie*, Vol 5, No. 1966

'On Commuting Transformations and Roots, w/Friedman, to appear Proc. AMS.

'On Quasi-Periodic Probability Measures w/D.L. Hanson, *Journal Math and Mechanics*, Vol. 15, No. 2, Feb, 1966.

W. Eberly: 'A Convergence Theorem for Bounded Operators (533-539) *London Journal of Mathematics* 1965.

R. C. Entringer: 'Some Properties of Certain Sets of Coprime Integers', *American Math. Soc* June 1965

'The Number of Coprime Chains with Largest Member n', *American Math Soc.* August 1965.

N. Friedman: 'Approximation and Invariant Measures, *Z. Wahrsche.*' (1965)

'Additive Functionals, *Arch. Rat. Mech and Anal.* (1965)

'A Representation Theorem for Add. Functionals, *Arch. Rat. Math. and Anal.* (1966)

'On Roots of Transformations, *Z. Warsch.* (1966)

R. Hersh: 'On Vibration, diffusion or equilibrium across a plane interface, Arch. Rat. Mech. Anal.

A. Hillman: 'FUNCTIONAL TRIGONOMETRY, 2nd Edition, Allyn and Bacon March 1966 (with G. L. Alexanderson)

'Algebra Through Problem Solving, Allyn and Bacon, April 1966 (with G. L. Alexanderson)

M. F. Janowitz: 'Quantifier theory on quasiorthomodular lattices,' Ill. Jour. of Math. vol. 9 (1965), pp 660-676.

'A characterization of standard ideals,' Acta Math. Acad. Sci. Hung. XVI (1965).

'IC-lattices,' Portugal. Math. (to appear)

'A note on normal ideals' to appear) Hiroshima Univ. Jour. of Science.

S. T. Kao: 'Generalized Froz-Farny Transversals, Amer. Math. Monthly Vol. 72, No. 7 Aug 1965.

M. Katz: 'A Representation theorem for additive functionals (w/N. Friedman) Arch. Pat. Mech. Anal.

'On the oscillation of sums of random variables' (w/Hanson) Proc. AMS

'Additive functionals on L_p spaces (w/Friedman) Canad. Journ. Math.

L. H. Koopmans: 'A Statistical study of the Derailment Hazard for U.S. Class I Railways', Naval Log. Qty. V. 12, March 1966

'A Probability bound for integrals with respect to stochastic processes with independent increments.' w/D.L. Hanson, Proc. Amer. Math. Soc. Dec 1965.

'Convergence rates for the Law of Large Numbers for Linear combinations of exchangeable and *-missing stochastic processes. Amer. Math. Stat. 1965 Dec.

J. V. Lewis: co-author: INTRODUCTORY CALCULUS, by Bell, Blum, Lewis, Rosenblatt. Holden-Day, 1966.

J. Mayer: 'On some topologies on products of ordered sets' Archivum Math, 1966 (w/M. Novatny)

'A Universal property of completions of an ordered set' to appear in FAMS

R. C. Metzler: 'Quasi-norm Spaces' to appear in Trans. of Amer. Math Soc.

'Closure and Interior in Finite Topological Spaces' to appear in Colloquium Mathematician

H. Renggli: 'On maximal Riemann surfaces' Amer. J. of Math (1966)

'On Modifications of Riemann surfaces. Archiv. für Mat. (1966)

J. Rosenblatt: 'On Estimation of the mean with one observation' w/Machol to appear in Proc. of IEEE.

'On a Priori information in Statistical inference' revised with J. R. Blum submitted to Amer. Math. Stat.

INTRODUCTORY CALCULUS, with Bell, Blum, Lewis, Holden-Day April 1966

A. Steger: 'Elementary Factorization in π -regular rings,' Canadian J. of Math. vol .8 1966.

'Diagonability of Idempotent matrices'- accepted by Pac. J. of Math.

5. OTHER RESEARCH PROJECTS

J. R. Blum: Two NSF Grants of approximately \$95,000 each. One in Probability and Statistics and one in Analysis.

D. Dubois: Paper on Harrison theory of primes submitted for publication.

W. Eberly: On the peripheral spectrum of certain bounded operators and projections P such that $\rho(TP)$ is almost $\rho(T)$ for certain bounded operators. During the summer was sponsored by NSF GP 2558

R. C. Entringer: 'The $2Q$ Property of torsion-free abelian groups' 'Functions and inverses of asymptotic functions' both accepted for publication. 'A combinatorial Interpretation of the Euler and Bernoulli Numbers' 'Enumeration of Permutations of $(1, \dots, n)$ by Number of maxima' both submitted for publication.

A. Hillman: 'A dynamic programming generalization of xy to n variables, to appear in Proc. of the Amer. Math. Soc.
'Ideals generated by products,' to appear in Proc. A.M.S.

M. F. Janowitz: Three papers are being refereed by professional journals and two more to be submitted for publication. Also in process of writing a preliminary version of a book on lattice theory.

S. T. Kac: Completed research on the extension of problem of generalized Droz-Farny transversals on Sept. 1965, sponsored by NSF under the provisions of grant GE 2680, an academic year extension for the period Sept. 1965-Sept 1965 with the amount of \$2000.00. On May 20, a supplementary grant of \$2000. has been awarded to me through the Univ. of Albuquerque to continue the research project.

L. H. Koopmans: 'Harmonic Analysis of Rita Blanca Time Series', w/Anderson. On Weak convergences of measures in $[0,1]$, w/Friedman, Katz submitted London Journal.

'A note of the estimation of amplitude spectra for stochastic processes with quasi-linear residuals. Accepted for publ. in JASA
Convergence rates for the law of large numbers for linear combinations of Markov Processes. AMS.

A monograph on convergence rates, w/Hanson, Friedman, Katz in preparation.

J. V. Lewis: Working on paper, Generalized Functions.

J. Mayer: 'On Hausdorff means of moment sequences', in progress.

B. J. Morse: 'Scattering Cross sections of Polygonal Cylinders'
Accepted by J. Optical Society of Amer.

H. Renggli: 'On point-like boundaries of Riemann surfaces.
Accepted by Archiv. Extre. und eive Conform invariante Mass funktion
fur Ruroenscharen. Accepted by C. Math. Hilvet.

J. R. Rosenblatt: In preparation with J.R. Blum. On the Moments of
Recurrence Time.. In preparation, MODERN UNIVERSITY CALCULUS, Holden-
Day.

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

a) Meetings attended:

Professional meetings in various cities were attended by the
following people: J. R. Blum, D. Dubois, W. Eberly, N. Friedman,
S. Kao, L. H. Koopmans, J. V. Lewis, J. Mayer, B. Morse, H. Renggli,
J. Rosenblatt.

b) Offices held:

J. Mayer, Vice Chairman Southwest Section of M.A.A.
A. Hillman, Chairman, College Section, Albuquerque Council of
Teachers of Mathematics.

c) Papers read and invited addresses:

J. R. Blum: Invited Lecturer at Ergodic Theory Symposium held
in Oberwolfach, Germany, July 1965. Invited address at Fifth
Berkeley Symposium Probability and Statistics, July 1965.

L. H. Koopmans: Invited paper, Central Regional Meeting of IMS

J. Mayer: Read paper at AMS Meeting, Berkeley, Dec. 1965.

7. OTHER PROFESSIONAL ACTIVITIES.

J. R. Blum: Consultant, Sandia; Advisory Panel, Div. of Math. Sciences,
Washington D.C.

Wm. Eberly: San in UNM Opera, 'Ariadne'.

M. Janowitz: Reviewer for Zentralblatt für Mathematik.

S. Kao: Topics on Contemporary math. to New Mexico State Council of
Mathematics Teachers.

L. H. Koopmans: Consultant for Sandia and Westinghouse.

J. Mayer: Colloquium Talks, University of Griessen and Univ. of Bonn,
Germany.

M. Mitchell: Consultant J.H.S. Math Curriculum Guide. Committee and
Member Coordinator Math Committee, State Dept. of Education.
Spoke at Math. Clinic for J.H.S. teachers, Farmington.
Served on Evaluation Panel for NSF Proposals, Washington, D.C.
Spoke at Meeting of Director, NSF In-Service Institute.

A. Steger: Assistant Dean of Graduate School.

8. NON-TEACHING UNIVERSITY SERVICES.

During the year most of our faculty served on Doctoral Committees, and were advisors at one level or another. Various members served on the following committees: NSF Ad Hoc Committee, Insurance and Retirement Committee, Extension Committee, Student Standards Committee, Committee on Undergraduate Program in Probability and Statistics, Grad. School Committee for selection of Univ. Fellowships, Master's Examination Committee, United Fund Drive.

9. COMMUNITY SERVICE.

W. Eberly: Soloist at First Presbyterian Church.

L. H. Koopmans: Member of Music Committee and choir at First Congregational Church.

M. Mitchell: President Board of Trustees of Martineztown House of Neighborly Service. Tutor in Adult Education Program for Albuquerque Tutoring Council; Church School teacher; member Albuquerque Council Churches.

The Report of the Department of Modern and Classical Languages

July 1, 1965 - June 30, 1966

R. R. MacCurdy, Chairman

I. General departmental information

A. Significant achievements.

1. For the third consecutive year the department operated a second-level NDEA Summer Institute for fifty-five teachers of Spanish in Quito, Ecuador. Professor Marshall Nason served as director of the Institute.
2. The department continued to be involved in the supervision of the language program of the Peace Corps Training Center. Mr. León Márquez succeeded Professor Albert Lopes as coordinator of the program.
3. The department participated actively in the activities of the newly created NDEA Latin-American Language and Area Center. Professor Albert Lopes served as director of the Center during its first year of operation.
4. The lecture series, previously called "Aspectos de la cultura hispánica" and financed by funds provided by NDEA Spanish Teachers' Institute, was continued during the year with university and department funds. The scope of the series was broadened to include lectures in French in addition to Spanish. Nine lectures were given during the year. Lecturers included the French novelist Michel Butor, the Mexican novelist José Arreola, and the eminent British Hispanist Edward M. Wilson.

5. Extensive curricular changes were made in French in order to strengthen the graduate program. Several new course offerings were approved and will go into effect in the academic year 1966-67.
 6. New undergraduate-major programs in German and Portuguese were introduced. There are now ten declared majors in German and seven in Portuguese.
 7. The department committee on the language laboratory made a thorough study of all phases of the laboratory's operations and its needs in terms of new equipment, renovation of present facilities, and supervisory staff.
- B. Significant plans for the near future.
1. The department continues to be concerned with strengthening the graduate program in French, preparatory to proposing a Ph. D. program. A committee has been appointed consisting of Professor Jack Kolbert (chairman), Julian White, Don McKenzie, and Marshall Nason to study the advisability of proposing a Ph. D. program in Romance Languages before a Ph. D. in French. The committee has been instructed not to draw up proposals for either Ph. D. program at this time, but rather to decide whether the financial outlay for a Ph. D. in Romance Languages, especially in view of faculty and library deficiencies in Italian, would adversely affect plans for a Ph. D. in French.
 2. Plans will also be made to submit a proposal for a Master of Arts in German or a Master of Arts in Teaching German as soon as the number of undergraduate majors

warrants such a degree program.

3. It is planned to revise the requirements for the Master of Arts in Teaching Spanish with the purpose of improving that degree program. A committee consisting of Professors R. M. Duncan and Enrique Lamadrid has already made tentative recommendations concerning the revised requirements.

C. Appointments to staff.

1. Mr. George C. Jocums has been appointed assistant professor of German beginning in September, 1966.
2. Miss Patricia Murphy has been appointed lecturer in French beginning in September, 1966.
3. Mrs. Marion Lebron has been appointed part-time instructor in Latin beginning in September, 1966.
4. Mrs. Karen Bierstedt has been appointed part-time instructor in German beginning in September, 1966.
5. Miss Rose Marie Dudney has been appointed part-time instructor in German for Semester I, 1966-67.
6. Mr. Walter Oliver has been appointed director of the language laboratory beginning in September, 1966, to replace Mr. Jon Tolman, who has received a Fulbright fellowship to Brazil.

D. Separations from staff.

1. Mrs. Ingrid Parker, instructor in German resigned at the end of Semester I, 1965-66, because of pregnancy.

II. Composite of information on individual biographical supplements.

1. Advanced study.

- a. Mrs. Laura Calvert completed all requirements, including

the dissertation for the Ph. D. at Ohio State University, and will be awarded the degree in June, 1966.

The title of her dissertation is "Ideas and Style of Francisco de Osuna in the Abecedarios espirituales."

- b. Mr. Robert Jespersen completed his doctoral dissertation at Stanford University, and will be awarded the Ph. D. in August, 1966.
 - c. Mrs. Claude Book continued work on her doctoral dissertation at the University of Paris during the summer of 1965.
2. Sabbatical, leaves of absence, travel, etc.
 - a. Professor Albert Lopes spent the summer of 1965 traveling in Europe.
 - b. Professor Marshall Nason directed the NDEA Second Level Institute for teachers of Spanish in Quito, Ecuador, June 17-August 13, 1965.
 - c. Professor Sabine Ulibarrí spent the academic year 1965-66 in Spain on sabbatical leave.
 3. New scholastic honors.
 - a. Professor Rubén Cobos received an award from the National Folk Festival for research in southwestern hispanic folklore.
 4. Publications.

Books and monographs:

 - a. Ned J. Davison, Sobre Eduardo Barrios y otros: estudios y crónicas (Albuquerque: Foreign Books, 1966), 148 pp.; Modernism As a Concept of Hispanic Criticism (Boulder: Pruett Press, 1966), 118 pp.

- b. Albert Lopes, co-author, The Spanish Verb and Review of Expression Patterns (New York: McKay, 1966), unpaginated.
- c. Raymond R. MacCurdy, Francisco de Rojas Zorrilla, bibliografía crítica (Madrid: Consejo Superior de Investigaciones Científicas, 1965), 48 pp.

Articles:

- a. Ned J. Davison, "Spare That Researcher," New Mexico School Review (Jan., 1966), 13-14; "Selma" and "Funny Thing..." (poems), El Corno Emplumado, No. 17 (Jan., 1966), 8-9; columns for Las Últimas Noticias, Santiago, Chile.
- b. Pelayo H. Fernández, "Enfoque para una teoría del yo y del otro," in Spanish Thought and Letters in the Century (Nashville: Vanderbilt University Press, 1966), pp. 185-191.
- c. Robert Holzapfel, "The Divine Plan behind the Plays of Friedrich Dürrenmatt," Modern Drama, VIII (1965), 237-246.
- d. Jack Kolbert "Homage à André Maurois: L'Ambassadeur de France," Les Nouvelles Littéraires, July 22, 1965, 8 p.; "The Worlds of André Maurois," Susquehanna Review, June 15, 1965, pp. 215-231; "From Novel to Play: Vercors, etc." French Review (Dec., 1965), 398-409; "Short Fiction of André Maurois," Studies in Short Fiction, II (1966), 104-117; "Maurois--Biographe, etc," French Review, (April, 1966), 671-683.
- e. Raymond R. MacCurdy, "The Spanish Sources of Paul Scarron's Le Jodolet duelliste," in Hispanic Studies in Honor of Nicholson B. Adams (Chapel Hill: University of North Carolina Press, 1966), pp. 1-7.
- f. Julian E. White, "The Conflict of Generations in the Débat Patriotique," French Review, XXXIX (1965), 230-233; "Racine's Phèdre: 'Sophoclean' and Senecan Tragedy," Revue de Littérature Comparée, XXIX (1965), 605-613.

Reviews:

- a. Ned J. Davison, Histoire du Roman Moderne, in Comparative Literature (Fall, 1965), 362-363.
- b. Raymond R. MacCurdy, ed. Domingo Ricart, Juan de Valdés, Diálogo de doctrina cristiana y El Salterio, in Renaissance News, XIX (1966), 36-37.

- c. Marshall R. Nason, trans. Walter Kline, Concolorcorvo, El Lazarillo: A Guide for Inexperienced Travelers between Buenos Aires and Lima, in Hispania, XLIX (1966), 352-353.
5. Research and work in progress or completed.
- a. Mrs. Claude Book has completed a paper "Fantaisie et réalité dans Un voyage en vauveville par Théophile Gautier," which will be read at the meeting of the Association des Etudes Françaises in Strasbourg in September, 1966.
 - b. Truett Book is continuing research on Musset's theater.
 - c. Rubén Cobos is continuing research on Penitente music in New Mexico.
 - d. Ned Davison is working on an article, "Enrique Molina Campos: Poet of the New Spanish Generation," and two books: "Eduardo Barrios" and "The Philosophical Foundations of Modernism."
 - e. William DeJongh is completing a collection of French short stories in translation, tentatively entitled "Bible Heroes with a French Accent."
 - f. Robert Duncan has completed and had accepted for publication a long article on "Adjectives of Color in Medieval Spanish." He is also working on a text on Spanish phonology.
 - g. Pelayo H. Fernández has completed a book-length manuscript on "La personalidad en Unamuno y San Manuel Bueno," which is in the hands of a Spanish publisher.
 - h. Jack Kolbert has completed a book-length manuscript (700 pages) on "Les Mondes d'André Maurois." He will spend the summer in France in connection with its publication.
 - i. Enrique Lamadrid is collaborating on a series of

textbooks for the teaching of Spanish in elementary and secondary schools.

- j. Raymond MacCurdy has signed a contract with Appleton-Century-Crofts to prepare an anthology of Spanish Golden Age plays. The works in progress reported last year are being continued.
 - k. Donald McKenzie is continuing work on an annotated translation of J. G. Seume's Spaziergang nach Syrakus.
 - l. Marshall Nason has been commissioned to write seven articles on Latin American literature for World Book Encyclopedia. His projects reported last year are being continued.
 - m. Julian White has completed an edition of Villehardouin's La Conquête de Constantinople, to be published by Appleton-Century-Crofts. He is also working on an article on "Phèdre Is Not Incestuous," a book-length study of the Phaedra-Hippolytus theme, and a book on the theory of tragedy, entitled "The Necessaries of Tragedy."
6. Activities in learned and professional societies.
- a. Mrs. Claude Book attended the annual meeting of the Association Internationale des Etudes Françaises in France in the summer of 1965 where she read a paper.
 - b. Truett Book attended the annual meetings of the RMMLA, MLA, and the AATF of New Mexico. He served as vice-president of the UNM chapter of AAUP, and president of the Alliance Française.
 - c. Rubén Cobos read papers at the annual meetings of the

New Mexico Folklore Society and the National Folk Festival. He is a member of the advisory council of the latter.

- d. Ned Davison attended the Southwest Council of Foreign Language Teachers' conference on bilingualism in El Paso.
- e. William DeJongh attended the MLA meeting in Chicago.
- f. Robert Duncan read a paper entitled "Notes on the Pronunciation of Cultivated Spanish in Madrid" at the RMMLA meeting and one on "References to Color in Medieval Spanish" at the MLA meeting in Chicago.
- g. Robert Holzapfel read a paper entitled "Has Duerrenmatt's Point of View Changed in the Course of His Dramatic Production?" at the RMMLA meeting. He was elected chairman of the Germanic and Slavic section of the RMMLA for 1966.
- h. Robert Jespersen attended the RMMLA meeting in Fort Collins, Colorado.
- i. Jack Kolbert attended the MLA meeting, and is a member of the Advisory and Nominating Committee of the Franco-German Comparative Literature section. He also lectured at a meeting of the Alliance Française in Pittsburgh and at the state meeting of the AATF of New Mexico.
- j. Enrique Lamadrid served as a member of the North Central Association Visiting Team for Del Norte High School and as a member of the State Department College-High School Foreign Language Committee. He also represented the university at numerous local and state language conferences.

- k. Raymond MacCurdy attended the RMMLA meeting, the MLA meeting in Chicago, and two meetings of the MLA Program Committee in New York. He also served as a member of a visiting team to evaluate the Claremont Graduate School's teacher certification program.
 - l. Marshall Nason attended the RMMLA meeting in Fort Collins and a meeting in Washington of the ratification committee for the Latin American Studies Association of the ACLS Hispanic Foundation.
 - m. Julian White was elected vice-president of the UNM chapter of Phi Beta Kappa and served as its chairman of the Committee on Members in Course.
7. Other professional activities.
- a. Mrs. Claude Book continued as sponsor of the French for Children program, and served as program chairman for the Alliance Française.
 - b. Rubén Cobos gave a public lecture on "La copla popular española" in the department's lecture series.
 - c. Ned Davison gave a public lecture on "The New Solidarity and Contemporary Spanish American Poetry" in the department's lecture series.
 - d. Robert Duncan was appointed to the Study Commission of the MLA.
 - e. Pelayo H. Fernández started a weekly radio program (KABQ) on "Riddles and Realities of New Mexico," designed to make Spanish-speaking New Mexicans more

aware of their Spanish heritage. He also spoke on Spanish culture and civilization to students of Highland and Belen High School.

- f. Robert Holzapfel gave an off-campus talk on Duerrenmatt's The Physicists to an adult discussion group.
 - g. Robert Jespersen spoke to the German Club of Valley High School.
 - h. Jack Kolbert served as a consultant-reader for French books for McGraw Hill.
 - i. Albert Lopes served on the regional screening committee for Fulbright fellowships.
 - j. Marshall Nason gave six lectures to the Peace Corps and talks on Latin America to the Albuquerque Boys Academy and the Latin American Forum. He also served as master of ceremonies for the banquet of the Seventh Seminar on Higher Education in the Americas, and as consultant to the Department of Health, Education, and Welfare (Washington) for evaluation of Title V proposals.
8. Non-teaching university service.
- a. Mrs. Claude Book served on the departmental library committee. She was also a tutor in the Career Scholar Program, and participated actively in the Café-Causette for French students.
 - b. Truett Book served as course chairman for elementary French, advisor to undergraduate French majors, faculty sponsor of Phi Sigma Iota, and director of the

Café-Causette. He was a member of the university Cultural Committee.

- c. Rubén Cobos served as a University College Advisor and as a member of the university Cultural Committee.
- d. Ned Davison served as chairman of the departmental library committee and as departmental coordinator of the Career Scholar Program. He was also a member of the Greater UNM Allocations Committee and the university Grants and Fellowship Committee.
- e. William DeJongh served as chairman of the Committee on Comparative Literature and as a member of the Graduate Committee.
- f. Robert Duncan served as chairman of the university Committee on Retirement and Insurance, as advisor to undergraduate Spanish majors, and as course chairman for second-year Spanish.
- g. Pelayo H. Fernández served on the departmental library committee and as a University College advisor.
- h. Robert Holzapfel served as advisor to undergraduate German majors and as course chairman of second-year German. He was also a member of the Scholarship Committee of the College of Arts and Sciences and a member of the departmental library committee.
- i. Tamara Holzapfel served as a University College advisor.
- j. Jack Kolbert served as advisor to French graduate students and as chairman of departmental committee

on French graduate studies.

- k. Enrique Lamadrid served as course chairman of first-year Spanish and as a member of the departmental committees on registration and scheduling.
 - l. Albert Lopes served as director of the Language and Area Center for Latin America, director of the Ibero-American Studies program and advisor to undergraduate majors and graduate students in Portuguese.
 - m. Raymond MacCurdy was a member of the University Publications Committee.
 - n. Donald McKenzie served as a member of the Curricula Committee and the Committee on Comparative Literature. He also was course chairman of first-year German.
 - o. Marshall Nason served on the Campus Planning Committee, the Summer Session and Extension Division Committee, the Scholarship Committee of the College of Arts and Sciences, and the Steering Committee of the Seventh Seminar on Higher Education in the Americas. He was also advisor to the Latin American Desk, director of the department's lecture series, and chairman of an ad hoc committee to revise the reading list for Spanish graduate students.
 - p. Rosemarie Welsh served as a University College advisor.
9. Public service.
- a. Mrs. Claude Book participated in the Heart Fund drive.
 - b. Rubén Cobos participated in the activities of San Felipe Church.

The Report of the Department of Philosophy
July 1, 1965 - June 30, 1966
Paul F. Schmidt, Chairman

I. General Departmental Information.

A. Significant Achievements. In my mind our most significant achievement is almost intangible but nevertheless of great importance. It was a year of transition from Professor Alexander's long yeoman service as Chairman to my own new effort. In taking on this responsibility I was deeply aware of the difficult transition in human relationships that was involved since Professor Alexander and Professor Bahm had been here many years. It is my deep felt conviction that this transition has gone quite smoothly. In fact, real friendships have evolved. I am quite happy at this good luck.

A time table for our Ph.D. proposal was worked out and agreed to by Deans Trowbridge and Springer (cf. item B).

A group of three graduate students has founded a new philosophical journal, Doxa, primarily for graduate students, and has published two interesting and respectable issues, reflecting a very strong 'esprit de corps' among all the graduate students.

B. Significant Plans and Recommendations. A proposal for a Ph.D. program in philosophy was carefully drawn up and revised. According to the time table mentioned above in A., the first Ph.D. degree could be awarded in June, 1970, while the first students would be admitted in September, 1967. The proposal will be submitted this summer (1966) to be processed through appropriate channels. A copy is available if it would be suitable to attach to this report.

A departmental Library of Philosophy will be established in Bandelier Hall in the Fall of 1966 from a generous gift of books from Professors Schmidt and Alexander.

C. Appointments to Staff. Three new appointments to the staff have been made, all to begin in September, 1966. Dr. Patricia Sanborn was appointed Assistant Professor with a Ph.D. from Columbia University (1965) and teaching experience at Hunter College, New York City. Mr. Brian O'Neil was appointed jointly, Assistant Dean of the Graduate School and Lecturer in Philosophy. His Ph.D. is almost complete at the University of California, Berkeley, with teaching experience there and at San Francisco State College. He will become Assistant Professor with the completion of his dissertation. Mr. Joseph Hassett was appointed Lecturer in Philosophy, merely as a transitional rank for a year. He has been Chairman of the Department of Philosophy at the Intown Branch of Fordham University with fifteen years of excellent teaching.

D. Separations from Staff. Assistant Professor James A. Snedden resigned this Spring (1966) to accept a very tempting offer from Parsons College, Iowa. He joined our department in September, 1963.

II. Composite of Information Requested on Individual Biographical Supplements.

1. Advanced Study. None.

2. Sabbaticals, Leaves, travel, etc. Dr. Paul F. Schmidt was awarded and declined the American Institute of Indian Studies Fellowship, 1965-66, and was awarded and declined the Great Lakes College Association Fellowship, 1965-66.

3. New Scholastic Honors. Dr. Paul Schmidt was elected member of Phi Sigma Tau (National Philosophy Honorary). Dr. Hubert Alexander was elected National President of Phi Sigma Tau.

4. Publications.

(a) Books.

Bahm, A.J., Yoga for Business Executives and Professional People, The Citadel Press, New York, June, 1965.

Bahm, A.J., Directory of American Philosophers III, 1966-67, February, 1966.

(b) Articles.

Schmidt, P.F., "Ethics Without Props", Indian Journal of Philosophy, IV (1965) 99-111.

Bahm, A.J., "Organicism - A New World Hypothesis", Memorias del XIII Congreso Internacional de Filosofia (Proceedings of the XIII International Congress of Philosophy), Mexico City, September 7-9, 1963, IX 21-43.

Bahm, A.J., "The Freedom-Determinism Controversy", The Pakistan Philosophical Journal, IX (1965) 48-55.

Bahm, A.J., "Meanings of Intelligence", Philosophical Studies, XIV (1965) 151-155.

Bahm, A.J., "Some Principles for Choosing", Philosophy Today, XI (1965) 52-60.

Bahm, A.J., "Four Kinds of Intrinsic Value", Darshana International, V (1965) 22-31.

Bahm, A.J., "Self-As Value", Darshana International, V (1965) 34-39.

Bahm, A.J., "Comparative Aesthetics", Journal of Aesthetics and Art Criticism, XXIX (1965) 109-119.

Bahm, A.J., "Non-Reductionistic Existentialism", The Monist, V (1966) 145-156.

Bahm, A.J., "Are the New Conservatives Irresponsible?", The Midwest Quarterly, VII (1966) 105-121.

Evans, M.G., "On the Demonstration of Indeterminacy", The Modern Schoolman, XLIII (1965) 55-64.

5. Other Research Projects or Work in Progress.

(a) Books.

Schmidt, P.F., Whitehead's Theories of Perception, accepted for publication by Rutgers University Press.

Alexander, H.G., full research time spent in revising book on Philosophical Thinking and in completing book on Meaning in Language.

Bahm, A.J., Bhagavad Gita, The Wisdom of Krishna, Frederick Unger Publishing Company, in press.

Bahm, A.J., Why Be Moral? An Introduction to Ethics, American Book Company, New York, twenty-four chapters completed in first draft and mimeographed, five chapters completed during the present year.

Bahm, A.J., Interdependence, a proposed cooperative volume with contributions by University of New Mexico professors representing different fields. Preface and chapter on "Interdependence in Philosophy" written and duplicated. Fourteen professors tentatively committed to prepare chapters.

(b) Chapter in a book.

Bahm, A.J., "Organicism: The Philosophy of Interdependence", in Contemporary Philosophy, West and East, edited by Ram Nath Sharma, Meerut, India.

(c) Articles.

Bahm, A.J., "Is There a Soul or No Soul? The Buddha Refused to Answer. Why?". Proceedings of the Wooster Conference on Comparative Philosophy, Wooster, Ohio, April 22-24, 1965..

Bahm, A.J., four articles submitted for publication. Invitation to prepare article relating Aesthetics to Organicism received from editor of the Journal of Aesthetics and Art Criticism.

6. Activities in Learned and Professional Societies.

SCHMIDT: Paper read at Southwest Philosophical Society meeting in Houston, Texas, December 17, 1966 entitled: "Knowledge Without Truth". This same paper was read to the Philosophy Club, University of California, Riverside, April 28, 1966.

ALEXANDER: Attended and delivered paper (Seneca's Moral Message in the Present World) at the Congreso Internacional de Filosofia, en el XIX centenario de la muerte de Lucio Anneo

Seneca - Cordoba, Spain, September 7-12, 1965. Invited to speak as representative of the English-speaking participants at the final ceremony.

BAHM: Secretary of the American Philosophical Association (standing) Committee on International Cultural Cooperation. Administrator for most of the \$2,500 grant to the A.P.A. by the Asia Foundation for sending free subscriptions to American philosophical journals to Asian university libraries and for memberships in the A.P.A. for visiting Asian scholars. Grant increased by \$500 for next year. Attended the XI International Congress of the International Association for the History of Religions, Claremont, California, September 6-11, 1965. Attended the American Philosophical Association Western Division annual meeting in Minneapolis, May 5-7, 1966. Presented report for the Committee on International Cultural Cooperation at the business session of this meeting. Appointed Consulting Editor of the Philosophical Bulletin, published by the Institute for East-West Studies, Ahmedabad, India.

7. Other Professional Activities.

SCHMIDT: Organized and conducted two meetings for CUEBS (Commission on Undergraduate Education in Biological Sciences) on "The Nature and Structure of Biology", Washington, D.C., April 1-2, 1966, and La Jolla, California, April 29-30, 1966. Funds from NSF grant to CUEBS.

ALEXANDER: Conducted series of weekly interviews, called "Conversations", over KNME-TV during summer of 1965. Spoke once at the Unitarian Church service during summer of 1965.

BAHM: Commentator and discussion leader on "Rashomon", Japanese film depicting moral problems involving Buddhist

characters, at Aquinas-Newman Center, August 15, 1965. Delivered talk entitled: "Truth", to Philosophy Club, Student Union, March 13, 1966.

8. Non-teaching University Service.

SCHMIDT: Chairman, Department of Philosophy.

ALEXANDER: Member of Graduate Committee, 1965-66. Graduate Committee representative on the Policy Committee, 1965-66. Chairman of Policy Committee subcommittee on Committees, 1966.

EVANS: Member, Committee on the University.

9. Public Service. None.

The Report of the Department of Physics
and Astronomy

July 1, 1965 - June 30, 1966

Victor H. Regener, Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year 1965-66

1. Building Program

Construction of the new Graduate Research Building of the Department of Physics and Astronomy was completed in November, 1965. Occupancy started on December 28, 1965.

2. Departmental Operation

The heavy involvement of the department in research, and the growth of this involvement, is shown in the following table for 1963-64 through 1965-66. Starred figures for 1965-66 include extrapolations for the months of May and June, 1966, for which final data are not yet available.

	<u>1963-64</u>	<u>1964-65</u>	<u>1965-66</u>
(1) Departmental budget, original figures	\$ 159,450	\$ 169,000	\$ 188,100
(2) Departmental budget, actual expenditures	121,254	140,929	179,798
(3) Sponsored research expenditures	287,957	431,502	500,000*
(4) Overhead to University from grants and contracts	48,216	70,264	80,000*
(5) Money for grants and contracts received during the year from outside sources	529,722	743,295	1,083,163
(6) Active grants and contracts at end of year	1,478,906	1,811,249	2,137,735

3. Search for new faculty and graduate students

During the report year, again much effort was put into the search for new faculty members. Competition for good people continues to be fierce. Even with the several additions we were able to make during the report year, we will still be short of faculty to teach the courses we should be teaching in 1966-67.

The area of keenest competition, however, is in the field of graduate assistantships. Our stipends for incoming graduate assistants continue to be too low. We cannot attract good graduate students from other schools. Only one third of the offers we are making are accepted.

B. Significant Plans and Recommendations for the Near Future

Our most urgent need for our physical plant remains a building for physics instruction. The space in the Administration Building is insufficient for next year. We shall probably have to begin scheduling laboratories on Tuesday and Thursday mornings. We continue to propose that new facilities be built adjacent to the present Science Lecture Hall, to the north of it. This lecture hall is in use during 24 clock hours per week for lecture instruction in physics, and several hours in addition for preparation of lecture demonstrations. Enrollment in these classes ranges all the way to 220, and only one class has less than 50 students. It is estimated that the sum of \$400,000 would be sufficient to provide adequate facilities for the undergraduate instruction of the Department in the next five to ten years, provided that we can continue to make use of the mentioned lecture hall.

C. Appointments to Staff

For 1966-67: Seymour S. Alpert, Assistant Professor of Physics; Charles L. Beckel, Associate Professor of Physics; Philip M. Campbell, Assistant Professor of Physics; Charles L. Hyder (Semester II), Assistant Professor of Physics; Robert H. Koch, Associate Professor of Astronomy.

D. Separations

A. G. Davis Philip, Assistant Professor of Astronomy, to leave at the end of the current year.

E. Sabbaticals

John R. Green, Professor of Physics, to be on Sabbatical leave, 1966-67.

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study

David S. King, completing Ph.D. dissertation.

Derek B. Swinson, Ph.D. completed October 1, 1965.

Thesis title: "Altitude Variation of the Density Spectrum of Extensive Air Showers".

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

David S. King, spent summer of 1965 at Los Alamos Scientific Laboratory.

Roy Thomas, taught physics course at Sandia Corporation (summer, 1965) TDP program; taught physics course at Los Alamos, Semesters I and II, 1965-66.

3. New scholastic honors, fellowships, etc.

None

4. Publications

John G. Breiland

"A Case Study of the Vertical Distribution of Atmospheric Ozone". Journal of Applied Meteorology, Vol.4, No. 3, June 1965, pp. 357-364.

Howard C. Bryant

"High Efficiency Solid State Neutron Telescope for 15-35 Mev Neutrons", Review of Scientific Instruments 37, 215-223 (1966) (with E. R. Flynn).

"High Efficiency Solid State Neutron Telescope for 20 Mev Neutrons", (with E. R. Flynn) Bull. Amer. Phys. Soc. II, 10, 515 (1965).

"Proton-Proton Spin Correlation at 27.3 Mev", (with Jarmie, Brolley, et al) Bull. Amer. Phys. Soc. II, 10, 1204 (1965).

John L. Howarth

"Ranges of Electrons and Positrons in Various Materials", Brit. J. Radiol., 38: 718, 1965.

"Tables of Analytical Expressions for Electron and Positron Ranges", (Radiation Data for Medical Use, International Atomic Energy Agency, Vienna, 1965).

David S. King

"Self-excited Radial Oscillations in Thin Stellar Envelopes" I, 20 p. "Self-excited Radial Oscillations in Thin Stellar Envelopes" II, 5 p. (both published in June, 1966 issue of Astrophysical Journal).

A. G. Davis Philip

"Blueing Effect", Astro. Jour. 70, 687 Nov. 1965

"MH 328-116", IAU Circular 1946, Dec 1965

"Stellar Space Distribution", Astro Jour. Supp. Vol 12, #112, Feb. 1966.

"Low Dispersion Spectra", Pub. Astro. Soc. Pac. Feb. 1966.

"High Galactic Latitude A Stars", Astro Jour. 71, 1966.

Victor H. Regener

Numerous progress reports and final reports on projects, new building, etc.

Derek B. Swinson

"The Altitude Variation of the Extensive Air Shower Density Spectrum", with J.R. Prescott, Proceedings of the International Cosmic-Ray conference, London, 1965

5. Other research projects or creative work in progress or completed during the period.

John G. Breiland

NSF Grant GP-2394; The vertical distribution of atmospheric ozone. Co-principal investigator with Dr. V. H. Regener.

Howard C. Bryant

Sandia Corp., \$15,296.77, A Study of the Glory, July 1, 1965.

Christopher Dean

NSF, Thermal Effects in Nuclear Quadrupole Resonance Spectra; \$55,300, for two years.

Sandia Corp., Coupling between Proton and N¹⁴ Nuclear Resonances in Solids; \$15,954, for one year.

John R. Green

NSF Grant GP-5089; \$43,300, Phase Transitions in Plastic Solids, approximately two years.

John L. Howarth

NIH Grant continued (\$15,449 for year Oct. 1965 to Sept. 1966); Digital Computer Techniques in Radiological Problems.

Proposal submitted to NIH; The Pathology of Accelerated Aging in Germfree Mice; in collaboration with Dr. Robert E. Anderson and Dr. Robert S. Stone of UNM Medical School.

Christopher P. Leavitt

NSF, Balloon Meas. of Solar Neutrons, \$32,650, 7-1-65 - 6-30-66.

NASA, OSO-B, Gamma-Ray Experiment, \$284,390, continuing, since September 1, 1959.

NASA, Neutron Flux in Space, \$130,901, 5-63-6-66.

NASA, High Energy Flux in Space, \$225,000, 1-1-66-two years.

AFSWC, Electron Spectrometer, \$22,182, 12-63-continuing.

A. G. Davis Philip

Research Corporation Grant, Galactic Structure.

NSF Grant, Anomalous Blueing Effect.

Victor H. Regener

Work continued on various research projects. Grants and contracts received: NSF, \$78,800 for three projects. NASA, \$445,500. Air Force, \$155,000.

Derek B. Swinson

NSF Grant, \$11,000, Analysis of IQSY Observations of Solar Influences upon the Cosmic-Ray Flux, with V. H. Regener, 2-1-66 - 2-1-67.

6. Activities in learned and professional societies.

Christopher Dean

Vice-chairman, Albuquerque Section of American Institute of Aeronautics and Astronautics.

John L. Howarth

Attended 1st International Conference on Medical Physics; Harrogate, England; Sept. 8-10, 1965. Read paper on "Applications of Computer Techniques in Radiological Problems".

Attended XI International Congress of Radiology; Rome, Italy; Sept. 22-28, 1965. Read paper on "Dose Distributions near Boundaries in Inhomogeneous Absorbers".

David S. King

Attended 121st meeting of American Astronomical Society, March 28-31, 1966, at Langley Research Center, Hampton, Va. Presented a paper entitled "Preliminary Investigation of the Driving Mechanism for Cepheid Pulsation".

A. G. Davis Philip

Read papers at American Astronomical Society meetings; Ann Arbor, June, 1965; Seattle, June, 1966.

Victor H. Regener

American Physical Society, New York, N.Y., Jan. 26-28, 1966.

Cosmic-Ray Symposium, London, Sept. 6-11, 1965.

NASA meetings, Washington D.C., Nov. 4-5, 1965 and Los Angeles, Cal. March 3-4, 1966.

Dedication of A. H. Compton Physics Laboratory, St. Louis, Mo., May 4-5, 1966.

Derek B. Swinson

Attended American Physical Society Meeting, Denver, June, 1965.

7. Other professional activities.

Howard C. Bryant

Visiting Staff Member, Los Alamos

John L. Howarth

Consultant: Veterans Administration Hospital
Lovelace Foundation
Lovelace Clinic

Participated in New Mexico Academy of Sciences
Visiting Scientist Program (Visits to High Schools).

Abstractor for Physics in Medicine and Biology.

Christopher P. Leavitt

NASA Consultant - Member of Particles and Fields
Subcommittee of the Space Sciences Steering Committee.
Attended meetings in October, December and April.

Roy Thomas

Consultant at Kirtland Weapons Laboratory.

8. Non-teaching University service.

John G. Breiland

University College Advisor

Howard C. Bryant

Chairman; Scholarships, Prizes and Loans Committee
Secretary, Research Allocations Committee
UNM-Sandia Colloquium

Christopher Dean

Committee on Extension, Summer-Session and
Community Service.

Advising.

Science Fair Judge.

John R. Green

Graduate Committee.

Academic Freedom and Tenure Committee.

Undergraduate Advising and Graduation Requirements.

John L. Howarth

Medical Radioisotope Committee (UNM Medical School).

Ad hoc Committee on Radiological Control

Christopher P. Leavitt

Los Alamos Advisor for Physics Graduate Students
Fellowship Committee

Contract Research and Patents Committee

Victor H. Regener

Policy committee

Derek B. Swinson

Faculty Advisor to Sandia Grotto (UNM Caving Club)

Roy Thomas

Registration committee

9. Public service

Christopher Dean

Member Albuquerque Symphony Orchestra

John L. Howarth

Teacher in religious school; Temple Albert.

Derek B. Swinson

Ski instructor, Sandia Peak Ski Area

10. Personal information

Howard C. Bryant

Son born April 25, 1966, Clifford Maxwell Bryant

Christopher P. Leavitt

Daughter, Karin, born October 4, 1965

Derek B. Swinson

Selective Service Status; 5A

The Report of the Department of Psychology
July 1, 1965 - June 30, 1966
Frank A. Logan, Chairman

I. General Departmental Information

To maintain continuity between this and past and future reports, the activities of the Department of Psychology during the 1965-1966 school year will be described with brief reference to both historic and projected considerations under the following headings: undergraduate education, graduate education, research, space, administration and support, and staff.

A. Undergraduate education. At the undergraduate level, the department handled a total enrollment of over 2200 in introductory lectures (of whom over 800 participated in the optional additional laboratory hour), and 1500 in advanced courses (of whom 90 taxed our realistic limit of 96 in present laboratory courses). The graduating class of 1966 included 52 psychology majors, of whom two were awarded General Honors, and 48 psychology minors. Departmental honors were awarded to two graduates: Terry Daniel and Gene Zechmeister. Based on a FTE staff of nine, the above figures represent approximately a 41:1 student-faculty ratio (compared with 40:1 in 1964-65).

Revisions of the undergraduate curriculum, as approved last year, were implemented this year. The consolidation of the introductory course under the tutelage of senior personnel (Professors Logan and Norman) has created some scheduling conflicts across the campus but the apparent results justify still further efforts in this direction. An N.S.F. undergraduate scientific equipment grant (\$9000 matched by U.N.M.) was used predominantly for the introductory laboratories; these were completely revised this year in relation to the newly available equipment. Further revisions on the basis of experience this year will be made in the future, but the general reception was encouraging.

Additional sophomore offerings given this year have eased the transition into the advanced undergraduate courses, but the effect of these and the revised introductory program have yet to be fully experienced. Additional sophomore courses should be instituted as soon as they can be staffed. The moderate expansion of our advanced laboratory courses has relieved some of the immediate pressures at this level but will require continued attention in the near future if we are to handle the interested students without sacrificing individualized laboratory experience. Space has now been set aside specifically for these laboratory courses and extra support during the year from the University Development Fund (\$5200) contributed materially to improving the equipment available to some of them, but substantially more equipment will be needed if the program is to achieve the quality level to which it is aimed.

The approved Departmental Honors program has been initiated, with initial awards noted above, but full realization awaits the products of revisions in the earlier parts of the program. In this connection, Professor Ellis was awarded an undergraduate research participation grant by N.S.F. (\$12,600) which has helped support six of the participants in this program.

B. Graduate education. At the graduate level, the department handled a total enrollment of over 200, distributed among 40 registered students. Master's degrees were conferred upon: Thomas Bennett (advisor: Henry Ellis), Larry Fenson (advisor: Ralph Norman), Larry Homan (advisor: Henry Ellis), Patrick Kelly (Plan II), and Brian McOlash (Plan II). Based on a FTE staff of nine, the above figures represent approximately a 2.8:1 student-faculty ratio.

Further expansion of the graduate curriculum was made by adding specialized seminars in animal learning (Bessemmer), human learning

(Ellis), experimental analysis of behavior (Ferraro), and experimental psychotherapy (Koenig). Nevertheless, the overall graduate program remains "thin," which was a principal basis for delay of financing our application for a graduate training grant from the National Institute of Mental Health. At the same time, however, our program was approved for support by the U. S. Office of Education under Title IV for awards of N.D.E.A. fellowships.

The number of teaching assistantships (9 this year, 8 last year), research assistantships (6 this year, 4 last year), and fellowships (5 this year, 2 last year) reflects progress toward the goal of supporting every qualified graduate student during his tenure. Professor Rhodes continued his cooperative training program with the Aeromedical Research Laboratory at Holloman A.F.B. (1 trainee working at the base), and one graduate student is doing research in the facilities of the Lovelace Research Foundation. Continued efforts are needed to coordinate all sources of graduate student support, with particular attention paid to bringing stipends to approximately equivalent levels.

C. Research. Further increase in the quantity of research being done within the department was experienced during 1965-66. Our faculty and students published 2 books and 13 journal articles, gave 6 invited research lectures, and 16 convention papers. This research enterprise continues to be supported predominantly from outside grant funds, totaling \$110,229 (direct costs) for the year (\$68,452 last year). Some increase in explicit in-house research support (\$1264 this year, \$878 last year) was important, especially to the younger members of the faculty, but further increases in this source of funds remain of vital concern.

In this connection, it should be noted that the federal government

has realistically modified indirect cost allowances but has also adopted a cost-sharing plan requiring significant university support of its research programs. The anticipated source of the university's contribution is in research time for the principal investigator and in general support facilities and personnel. These conceptual desiderata must increasingly be recognized in fact at U.N.M.

D. Space. Additional space was made available during the year to the Psychology Department by the moving of a portion of the Physics program from the Administration Building to their new quarters. This space provides three new faculty offices, a graduate assistant office, space for our advanced undergraduate laboratories including storage space, and four small research rooms for work with humans. Appropriate modifications of this space have been made and total facilities should be sufficient to house the department for the coming year. However, it is of utmost importance that plans for a new building keep progressing so as to insure availability during the summer of 1968. It is also important to our planning to anticipate additional space for the Fall of 1967 in relation to potential incoming staff.

E. Administration and support. A research secretary (Elna Parks) and a shop technician (William Shaw) were added to the total staff, on the basis of support shared by the department and the faculty's research grants. A part time laboratory supervisor (Louis M. Gonzalez) was appointed to work with the graduate assistants in the introductory course.

F. Staff. Appointments to the regular staff during the year were: David W. Bessemer, Ph.D. (expected) 1966, University of Wisconsin; Douglas P. Ferraro, Ph.D. 1965, Columbia University; and Karl P. Koenig, Ph.D. 1964, University of Washington. All were appointed at the rank of Assistant Professor beginning 1 September 1965.

David T. Benedetti continued on full-time loan to the Peace Corps (in which capacity he negotiated a \$1.8 million continuation contract); and Sidney Rosenblum continued on half-time loan to the Graduate School (from which capacity he was selected for a Fellowship in Academic Administration by the American Council on Education). The regular faculty thus totaled eight-and-a-half (the above and Professors Frank A. Logan and Ralph D. Norman, Associate Professors Henry C. Ellis and John M. Rhodes, and Assistant Professor Bert Zippel). No changes in rank were made during the year, nor were there any resignations from the staff.

Some courses continue to be taught by part-time personnel. Dr. Jerome Gibson taught during the first semester and Drs. Alan Swain and Lynnette Plumlee taught during the second semester. Some degree of continuation of this policy can be anticipated until our staff is rounded out.

Two new appointments were made to begin in the Fall of 1966: Louis E. Price, Ph.D. 1960, University of Iowa (currently at the University of Massachusetts) was appointed Associate Professor; and Peder Johnson, Ph.D. 1965, University of Colorado, was appointed Assistant Professor. In order to bring the faculty-student ratio down to a level appropriate for effective classroom teaching, expansion at a rate faster than that of the student body is a genuine necessity. Furthermore, to maintain balance and to promote our national image rapidly, some top senior appointments should be made as soon as possible.

Our faculty continues to be active in the national scene. In sum, they attended 12 conventions (not including the Rocky Mountain Psychological Association meeting held in Albuquerque) and 7 conferences and symposia. They served as consulting or associate editors for 9 journals, and served as professional consultants or advisors for 10 agencies.

They also participated in 20 guest lectures, symposia or conferences within New Mexico. Professor Logan was elected to the Executive Committee of the Division of Experimental Psychology of the American Psychological Association; Associate Professor Rosenblum was chosen President-elect of the New Mexico Psychological Association.

G. Conclusion. Improvement in all levels of activity was evident during the 1965-1966 school year. Our undergraduate program is shaping into an effective scientific image while servicing the larger needs of the University, and the graduate program continues to develop toward the anticipated level of excellence. The overall research effort is continuing to expand and the stature of the department continues to grow. Further increase in staff is a most pressing need, but coupled with this is the need for additional space, for increased local research support, and for additional graduate assistantships and fellowships. Past administrative support in these regards is strongly appreciated but continuing efforts are necessary if we are to maintain the momentum generated during the past year.

II. Composite of information requested on individual biographical supplements.

1. Advanced study.

David W. Bessemer: Ph.D. expected Summer, 1966.

Douglas P. Ferraro: Ph.D. received December 15, 1965, Columbia University. Suppression and recovery of a regularly reinforced response as a function of the probability and frequency of punishment.

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

Henry C. Ellis: Visiting faculty, Washington University, Summer 1965

Ralph D. Norman: Travel to French Canada, June, 1965

Bert Zippel: O.E.O. Project Evaluating Neighborhood Service Centers, Pueblo, Colorado, May 1966

3. New scholastic honors, fellowships, etc.

Sidney Rosenblum: American Council on Education Fellowship in Academic Administration, 1966-67

4. Publications.

Henry C. Ellis

Transfer of predifferentiation training to gradients of generalization in shape recognition (with Feuge). J. exp. Psychol., 1966, 71, 539-542.
Stimulus meaning and complexity as factors in the transfer of stimulus predifferentiation. J. exp. Psychol., 1966, 71, 629-633.

Douglas P. Ferraro

Cardiac rate of the rat under a DRL and non-contingent temporal schedule of reinforcement. (with A. G. Snapper and W. N. Schoenfeld) Psychol. Rep., 1965, 17, 543-552.

Karl P. Koenig

Verbal behavior and personality change. J. Pers. Soc. Psychol., 1966, 3, 223-227.
Relationships of test anxiety and hostility to descriptions of self and parents (with I. G. Sarason). J. Pers. Soc. Psychol., 1965, 2, 617-621.
Experimental treatment of habitual smoking (with Masters). Behav. Res. Ther., 1965, 3, 235-243.

Frank A. Logan

Generalized partial reinforcement effect (with Brown). J. comp. physiol. Psychol., 1965, 60, 64-69.
Performance speed as a function of practice speed (with Shiffrin). J. verb. Learn. verb. Beh., 1965, 4, 335-338.
Reward and Punishment (with Wagner). Boston: Allyn-Bacon, 1965.
Transfer of Discrimination. J. exp. Psychol., 1966, 71, 616-618.

John M. Rhodes

The effect on the chimpanzee of rapid decompression to a near vacuum. NASA CR-329. (Ed. A. G. Koestler) Section II, p. 53-79, Nov. 1965. (with L. M. Stephens, J. L. Hartman, and O. F. Lewis).

4. Publications. (cont.)

Sidney Rosenblum

Conceptual thinking in sixth-grade children as measured by the Vigotsky Block Test. Psych. Rep., 1965, 17, 195-202. (with R. Sherilyn Meece)

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

Henry C. Ellis

NSF Grant; \$44,500. Conditions of Learning Influencing Perception; 3 yrs.; 1 May 1965 to 30 April 1968.

NSF Grant; \$12,600. Undergraduate Research Participation; 1 Sept. 1965 to 31 October 1966. Notification of extension pending.

Continued research on theoretical interpretations of perceptual learning, transfer of learning, mediation, and visual form perception.

Douglas P. Ferraro

Grant in Aid for \$934 for Schedules of Punishment

Awarded NSF Grant for \$33,400 to start July 1, 1966

Response variability and response persistence

Adrenal hypertrophy as a function of probability and frequency of punishment.

J. comp. physiol. Psychol., in press.

Some properties of responding under regular reinforcement. J. comp. physiol. Psychol., in press.

Karl P. Koenig

Grant in Aid for \$330 for "Experimental Analogues of Behavioristic Psychotherapy."

Frank A. Logan

National Science Foundation, \$29,000 d.c.

Conditions of Reinforcement

National Institutes of Health, \$25,000 d.c.

Free Behavior Situation

Ralph D. Norman

A revised deterioration formula for the Wechsler Adult Intelligence Scale (submitted to J. clin. Psychol.)

Party switching, authoritarianism and dogmatism in the 1964 elections (with Bert Zippel, submitted to Psychol. Rep.)

John M. Rhodes

Holloman AFB Aeromedical Research Lab., \$41,729, Investigation and development of techniques for use of a multipurpose depth electrode. April 1, 1966-March 31, 1967.

Cortical EEG of the chimpanzee during and after anoxia induced by rapid decompression. (with L. M. Stephens, J. L. Hartman, and O. F. Lewis), in press.

A new computer method for EEG analysis. (with D. O. Walter, D. Brown, and W. R. Adey), in press.

Discriminate analysis of "Activated" EEG. (with D. O. Walter and W. R. Adey), in preparation.

Differentiating the recruiting response spindles and barbiturate spindles. (with A. Netick), in preparation.

5. Other research projects, etc. (cont.)

Bert Zippel

- The relation of fittingness, wordness, and polarity of concepts (with J. Dotson); Semantic differential measures of meaningfulness and agreement of meaning; in press.
- Party switching, authoritarianism, and dogmatism in the 1964 election (with R. Norman); Judgment of evaluative balance in sentences; submitted for publication.
- Semantic differential profiles and association norms (with R. Fink); Cooperation and social values (with J. Hill); in progress.
- Proposal 136/45 to N.S.F.

6. Activities in learned and professional societies.

Henry C. Ellis

- Attended Psychonomic Society meeting, October, 1965, Chicago
- Presented paper: Transfer of predifferentiation training to visual shape recognition
- Attended Southwestern Psychological meeting, April, 1966, Arlington, Texas
- Presented papers: Mechanisms of transfer in perceptual learning; Temporal factors in verbal transfer; The role of stimulus meaning and response meaning in perceptual memory (with Feuge)
- Attended Midwestern Psychological meeting, May, 1966, Chicago
- Presented paper: Reinforcement and tactual-kinesthetic feedback in perceptual learning following pre-exposure to visual forms (with Bennett)
- Attended Rocky Mountain Psychological meeting, May, 1966, Albuquerque
- Chaired symposium: Learning and Perception: Some interrelations
- Sponsored papers of six students; Program Chairman

Douglas P. Ferraro

- Attended Eastern Psychological meeting, April 1966, New York City
- Read paper: Suppression as a function of probability and frequency of punishment
- Attended Rocky Mountain Psychological meeting, May 1966, Albuquerque
- Read paper: Success of suppression and recovery under punishment (with Perkins)

Karl P. Koenig

- Attended New Mexico Psychological meetings
- Attended Rocky Mountain Psychological Association meetings. Served as director of placement services and volunteer services. Chaired one paper session.

Frank A. Logan

- Attended A.P.A. meeting, 1965, Chicago
- Elected to Executive Committee, Div. 3, A.P.A.
- Served on Membership Committee, Div. 3, A.P.A.
- Appointed to Council of Representatives, A.P.A.
- Attended Psychonomic Society meeting, 1965, Chicago
- Read paper: Continuously negatively correlated reward
- Attended Southwestern Psychological meeting, 1966, Arlington, Texas
- Symposium paper: Incentive effects in extinction
- Attended Midwestern Psychological meeting, 1966, Chicago
- Attended Rocky Mountain Psychological meeting, 1966, Albuquerque

6. Activities in learned and professional societies (cont.)

Ralph D. Norman

Attended meeting of Committee on Evaluation of Teaching of Division of Teaching of Psychology, APA, Univ. of Delaware, Newark, Del., March 9-12, 1966

Attended Rocky Mt. Psychol. meeting, Albuquerque, May 1966; Read 2 papers
Treasurer, UNM Chapter of Sigma Xi

John M. Rhodes

International Congress of EEG and Clin. Neurophysiol., Vienna, Sept. 1965

Paper presented: "Cortical EEG of the chimpanzee during and after anoxia induced by rapid decompression."

Psychonomic Society, Chicago, Oct. 1965

Assn. Psychophysiology of Sleep, Gainesville, Fla., Mar. 1966

Paper presented: "Spindles and their origin."

Rocky Mtn. Psychol. Assn., Albuquerque, May, 1966

Symposium on "Sleep Activity and Spindles"

Central EEG Soc., Winnipeg, Canada, June, 1966

Paper presented: "Computer Analysis of EEG during behavioral tasks."

Sidney Rosenblum

President-elect, N. M. Psychological Assoc., 1965-66.

Chairman, Professional Standards Committee, NMPA, 1965-66.

Vice-President for Psychology, American Association on Mental Deficiency, Rocky Mountain Region, 1965-66.

Program Chairman, NMPA, 1965-66.

Public Relations Director, Rocky Mountain Psychological Association, 1965-66.

"Research in Mental Retardation." Symposium, RMPA, Denver, May 14, 1965.

Chairman, Workshop: "The Retarded Child Grows Old." Annual Meeting of American Assoc. on Mental Deficiency, Rocky Mountain Region, Aug. 18, 1965.

Bert Zippel

Attended Rocky Mountain Psychological meeting, May 1966

Read paper: Learning and meaning of evaluative balance in sentences

7. Other professional activities.

Henry C. Ellis

Invited Talks and Colloquia

Verbal factors in perceptual learning and transfer, Menninger Research Foundation, Topeka, Kansas

Transfer of Learning, Invited Symposium at SWPA, Arlington, Texas

Programed Instruction: Theory and Data, N. M. Dept. of Educ. and Ford Foundation Small Schools Project, Santa Fe.

Principles of Programed Instruction, United Pueblo Agencies, Albuquerque

Implications of transfer for the teaching of English, NDEA Institute, UNM
Behavior Theory and administrative decision-making, Administrative Training Group, College of Education, UNM

The role of models in graduate research training, Dean's Seminar, College of Education, UNM

The taking (and passing) of tests, Mesa Vista Dormitory, UNM

Four chapters on "Transfer and Retention" to be published in Learning: Processes, edited by M. H. Marx. Under contract with Macmillan.

7. Other professional activities (cont.)

Henry C. Ellis--cont.

Editing and Reviewing

Review ms. Psychol. Rev., J. exp. Psychol., Canad. J. Psychol.

Assoc. Editor, Percept. mot. Skills, and Psychol. Rep.

Review research proposals and equipment development proposals for NSF

Karl P. Koenig

Consultant for the Cerebral Palsy Clinic

Frank A. Logan

Consultancies: Chairman, Exper. Psychol. Study Section (B), NIH

Consulting editor: J. exp. Psychol., J. comp. physiol. Psychol., Psychol.

Monog., Psychol. Bull.

Colloquia: UCLA

Conference: Exper. Anal. of Behavior, Arizona State

Ralph D. Norman

Consultant, BCI Hospital (Clinical Psychology)

John M. Rhodes

Consultant--Holloman, UCLA

Sidney Rosenblum

Sense and Nonsense about the Human Personality, Albuquerque Rotary, May 1965

What Nurses Need to Know about Psychology, N.M. State Nurses, Oct. 1965

Facts and Fictions about Parents and Children, Hadassah, Dec. 1965

Parent-Child Relationships, Open Line (KGGM), Dec. 1965

Passion in Puberty, Faith Lutheran Church, Feb., 1966

Marriage and Divorce, Open Line (KGGM), Feb., 1966

Divorce-Jewish Style, B'nai Israel Congregation, Mar., 1966

Psychology and Teen-agers, Del Norte H. S., Mar., 1966

Mental Health, B'nai Israel Congregation, May 1966

Interpersonal Relationships, UNM Ext. Div., June 6, 7, 1966

Bert Zippel

Consultant: O.E.O. Project in Evaluation of Neighborhood Service Centers with Kirschner Associates

8. Non-teaching University service

David T. Benedetti

Director, Peace Corps Training Center

Member, Lawrence Ranch Advisory Committee

Undergraduate major advisor

Negotiated \$1.8 Million training contract with Peace Corps, Wash., D. C.

David W. Bessemer

University College Advisor

Henry C. Ellis

Contract Research and Patent Committee; UNM-Sandia Colloquium Committee;

Career Scholar (M-3) Coordinating Council, Tutor; Director, Departmental

Honors; Curriculum Consultant, College of Nursing; Director, NSF Under-

graduate Research Participation Program; Graduate Qualifying Examination

Committee; A & S Advisor

8. Non-teaching University service (cont.)

Douglas P. Ferraro

Faculty sponsor to two NSF undergraduate participation fellows
A & S Advisor

Karl P. Koenig

University College advisor
Graduate Qualifying Exam. Committee
Clinical Ph.D. Committee
Taught seminar in the Free University

Frank A. Logan

Chairman Department of Psychology
Graduate Student Advisor
M-3 Tutor: Charles Mitchell
Honors supervisor: David Tieman

Ralph D. Norman

Member, Committee on Academic Freedom and Tenure
Member, Research Allocations Committee
Member, Doctorate Education Committee of College of Education
Part-time Assessment Officer, PCTC
Clinical Ph.D. Committee
Graduate Student Advisor

John M. Rhodes

Advisor for Psychology majors, A & S

Sidney Rosenblum

Assistant Dean of the Graduate School
Director, Career Scholar Program
Acting Chairman, Dept. of Psychology, Summer Session 1965
Chairman, Committee to Select Annual UNM Research Lecturer for 1966
Graduate Qualifying Exam. Committee
Clinical Ph.D. Committee

Bert Zippel

University College Advisor
Curricula Committee
Association of Faculty Religious Advisors

9. Public service.

Ralph D. Norman

Chairman, N. M. State Board of Psychologist Examiners
Member, Staff Development Committee for N. M. of WICHE

Sidney Rosenblum

Board Member, Coronado Credit Union (UNM), 1964 to present
Area Leader, United Fund Drive of Albuquerque, 1965 (Grad. Sch. representative)
Field Worker, Albuquerque Jewish Welfare Fund

10. Personal information.

Bert Zippel: Wife deceased November 1965.

The Report of the Department of Sociology
July 1, 1965 - June 30, 1966
D. W. Varley, Chairman

I. General departmental information

A. For the first time in the last four years the fall semester's percentage increase in enrollment for the Department of Sociology was not at or near the highest level recorded for the College of Arts and Sciences. This "achievement" was brought about by simply limiting enrollments in several classes, particularly at the introductory level. Reasons for taking this action were explained in last year's Departmental report. Basically, they involved the belief that there are limits as to how much a department can be expected to subsidize economically and pedagogically the educational programs of other units of the university.

One of the accompaniments of the large sociology enrollment increases experienced in recent years has been an improvement in the quality of students. This has been reflected in some rather impressive, indeed at times spectacular, Graduate Record Examination scores. In response to this noticeable quality improvement, efforts were made this past year in two courses (methodology and criminology) to provide field and research experience. Results of these efforts were mixed, although generally favorable. The basic difficulties in these pedagogical efforts stemmed from lack of facilities and understaffing. The same problems appeared when a proposal was made to improve instruction at the introductory course level through the use of television facilities. Nothing could be done because it would cost money which the university administration either cannot or will not provide for such purposes.

During the year a new graduate level course was added to the curriculum; viz., a seminar in the Theory of Complex Organizations. It should also be noted that again the Department of Sociology profited from the use of faculty from outside the Arts and Sciences College. Professor Edward Nolan, a social psychologist who holds a joint appointment in the Colleges of Business Administration and Education, taught one sociology course during the second semester. Professor Charles Griffith, a social anthropologist in the College of Education, taught one sociology course in the fall semester and one course in the spring semester.

B. With respect to plans and recommendations for the near future, it is expected that the coming year will see plans completed for launching an undergraduate honors program in sociology. Since we are now getting students of honors quality, they should be served. It is also expected that course work in medical sociology and possibly stratification will be developed.

Another consideration of import for the near future is the present chairman's desire to disengage himself from the chairmanship. It is his belief that he has done about all he can do as chairman to develop the sociology program at the university. There is, of course, much that remains to be done. However, that task will require qualities that the present chairman does not have and does not wish to develop. Accordingly, efforts should be made to secure a proper replacement for the 1967-68 academic year.

C. Effective September 1966 Dr. Nancie L. S. Gonzalez was appointed Associate Professor of Sociology and Anthropology with one-third of her time in the Department of Sociology. Effective September 1966

Mr. Jack L. Dyer was appointed Assistant Professor of Sociology. Effective September 1966 Mrs. Helen Potter was reappointed to the position of Graduate Assistant. Effective September 1966 Mr. Robert Murillo was appointed to the position of Graduate Assistant. Effective September 1966 Mrs. Janet Vander Veen was appointed to the position of Secretary to the Department of Sociology.

D. Effective June 1966 Mrs. Helen Potter and Mr. Robert Murillo terminated their appointments as Graduate Assistants. Effective June 1966 Mrs. Janet Vander Veen terminated her appointment as Secretary to the Department of Sociology.

II. Composite of information requested on individual biographical supplements

1. Jack L. Dyer was awarded the Ph.D. in Sociology by the University of Colorado on January 31, 1966.
2. None.
3. None.
4. Charles E. Woodhouse (with Henry J. Tobias) "Primordial Ties and Political Process in Pre-Revolutionary Russia: The Case of the Jewish Bund," Comparative Studies in Society and History, Vol. VIII, No. 3 (April 1966) (29 pp.). David W. Varley, book review of Milton Barron's "Contemporary Sociology," Social Forces, (September 1965) page 135. David W. Varley, "The Settlement and Migration Patterns in New Mexico," Summary Reports on New Mexico's Resources, State Planning Office, February 1966 (pages 21-26). David W. Varley (with Arthur Blumenfeld, Ralph Edgel, Howard Finston, and Richard Kirschner) Adjustments to Reduced National Defense Expenditures in New Mexico (A Regional Economic Study for the United States Arms Control and Disarmament Agency - Contract No. ACDA/E-58) Kirschner Associates, December 1965, (117 pages).
5. Jack L. Dyer: preparation of manuscript on complex organization theory.

Harold C. Meier: sample survey study of differential sex-role socialization in college.

David W. Varley: co-director of national study evaluating neighborhood service centers for the Washington Office of Economic Opportunity.

Charles E. Woodhouse: principal investigator of project studying the influence of campus environment on student participation in a para-military organization; this is third full year of support by Air Force Office of Scientific Research - \$54,000.

6. Jack L. Dyer: presented paper entitled "A Summer Work-Study Program in Mental Health" annual meeting of Southwestern Sociological Association in New Orleans, April 1966. Discussant of paper entitled "Educational Trends for Specific Populations in the United States by Cohort Analysis" in Sociology Section of annual meeting of Rocky Mountain Social Science Association in Fort Collins, Colorado, May 1966.

Harold C. Meier: attended annual meeting of Rocky Mountain Social Science Association held in Fort Collins, Colorado, May 1966.

David W. Varley: attended annual meeting of American Sociological Association, Chicago, September 1965. Delivered featured paper entitled "Some Recent Research on Fertility" at initiation meeting of Alpha Kappa Delta (Sociology Honorary) at University of Arizona, Tucson, April 1966. Member of Committee on Members in Course of Alpha chapter of New Mexico, Phi Beta Kappa.

Charles E. Woodhouse: read paper (with Patrick Lynch) entitled "Military Socialization in the Air Force ROTC" at annual meeting of American Sociological Association, Chicago, September 1965.

7. Harold C. Meier: delivered address to South Bernal Community Project personnel (OEO) on problems of project evaluation.

Jack L. Dyer: delivered address on retirement problems to Sandia Corp. pre-retirement group. Discussant on KJME-TV program about computer selection of marriage partners.

David W. Varley: delivered talks on various topics to symposium of English teachers, downtown Kiwanis, State Sanitarians, Federation of Community Associations (OEO), WICHE seminar on juvenile delinquency, University Dames, AAUP meeting, Conference on Food and Nutrition, student religious group.

Charles E. Woodhouse: delivered address on "Social Change and Underdevelopment" to Inter-American Forum.

8. Harold C. Meier: undergraduate academic advisor for sophomores in sociology; member of two doctoral dissertation committees.

David W. Varley: advisor for junior and senior undergraduates and graduate students in sociology; faculty advisor for ACOHA; chairman of ad hoc committee on social work curriculum needs; charter member of student-faculty luncheon club.

Charles E. Woodhouse: academic advisor for University College, alternate member of Committee on Academic Freedom and Tenure; chairman of the M.A. thesis committees; member of one doctoral dissertation committee.

9. David W. Varley: member of board of directors of Child Guidance Center; member of Governor's Committee on Children and Youth; member of board of directors of Planned Parenthood Association; consultant for the Martinez Town-Santa Barbara Community Association (OEO).
10. None.

The Report of the Department of Speech
July 1, 1965 - June 30, 1966
Fred M. Chreist, Acting Chairman

I. General Departmental Information

A. The three active divisions of the Speech Department during the 1965-1966 academic year were the forensic division, the speech pathology and audiology division, and the television and radio division. Significant accomplishments are reported below.

1. The forensic program at the University of New Mexico continued to expand during the 1965-1966 academic year. The budget, with all funds coming from the Associated Student Government was increased from the \$3,000.00 received in 1964-1965 to \$6,500.00. This advance in funds allowed for increased participation in terms of the number of students attending the various tournaments and the number of tournaments attended. More than twenty-five students attended a total of sixteen tournaments. A majority of these students were freshmen and sophomores, indicating that the student participation should increase during the 1966-1967 academic year.

Although the number of participants in forensic activities increased there was no reduction in the quality of performances or representation for the University. Among the awards received were eleven trophies, including a sweep-stake trophy at the Western Speech Association Championships; first place in men's extemporaneous speaking at the

Abilene Christian College Tournament, the "Arizona Trophy" for outstanding success in forensics over the last six years; second place in junior division debate at the Western Collegiate Association Championships and one of the top four negative speakers at the Delta Sigma Rho-Tau Kappa Alpha National Debate Championship tournament.

The University hosted two outstanding forensic events of the year. The first was the Western Speech Association Championships during the Thanksgiving holiday of 1965. The tournament was attended by fifty-nine colleges and universities from the eleven western states. The second will be the National Forensic League National High School Championships, to be held at the University campus from June 27 through June 30, 1966. In attendance will be the top 320 high school speech contestants from approximately forty of the United States. These students have been awarded top academic honors as well as top honors in speech from the various states.

In addition to sponsoring these two nationally significant events for the first time in the history of the University, the department has been active in sponsoring forensic activities for the New Mexico Speech and Drama Association. Two state high school tournaments were hosted by the department. The first was a festival at which awards were excellent and superior ratings rather than having competition for place rankings. This event was attended by five hundred high

school students from throughout the state. The second was the state championship attended only by those who had won that right by being victorious in district elimination competition. First place winners will represent New Mexico in the national high school championships in Albuquerque, New Mexico in June.

2. The speech pathology and audiology program provides academic instruction and laboratory practicum for students of speech and audiology. The student training clinics of the University of New Mexico Speech and Hearing Center conduct a clinical program to provide university students with varied opportunities for supervised experience in the diagnosis and treatment of speech and hearing disorders. Students in speech, psychology, guidance and counselling, and special education participate in this program as observers. Students in the graduate and under graduate divisions of the speech pathology program participate in the clinical evaluation and therapy program provided by the Center.

During the 1965-1966 academic year, a total of thirty-four evaluation clinics for 177 children and adults outside the University community were conducted in the following pattern:

	<u>No. of Clinics</u>	<u>No. of Clients</u>
Evaluation Clinics	10	41
Elks Cerebral Palsy Clinics	10	60
Adult Evaluation Clinics	8	15
Special Problems	5	5
Hearing Tests		27
Carlsbad Cerebral Palsy Clinic	1	29

Opportunities for supervised practicum in speech and hearing therapy were provided at the University Speech and Hearing Center. Regular therapy was provided for thirty-one children and adults in this program. Clients of the UNM Speech and Hearing Center are charged a minimal fee for therapy and diagnostic services. Such charges totalled \$2450.00 for the year. Graduate students participated as therapists, under the supervision of the professional staff in six cooperating agencies in the community. In this program eleven graduate students worked with twenty-five clients in the following cooperating agencies:

Albuquerque Hearing and Speech Center
Bataan Memorial Rehabilitation Center
Manzanita Center
Cortez Elementary School
Veterans Administration Hospital

The Speech and Hearing Center provided services for 113 University students during the academic year. All incoming students are screened by the Center staff during registration week. Speech therapy and speech improvement training was given to those students who exhibit a need for the services and consented to participate in the activities of the Center. No fees are charged to any regularly enrolled university student.

A pilot program was initiated during the 1965-1966 academic year in which part-time professional speech and hearing services were offered to those clients who preferred certified professional services instead of supervised student

services. Clients in this program were billed for a total of \$735.00.

During the second semester Dr. Lloyd Lamb, the new audiologist was placed under contract for the 1966-1967 academic year to develop the audiology program at the graduate level. He will come to Albuquerque in June to conduct a two weeks workshop entitled Audiology in Hearing Conservation. Dr. Lamb will report for permanent duty in September, 1966. He will establish a hearing aid evaluation center and an audiological research program in the Speech Department. As Director of the Vocational Rehabilitation Administration, he will assume responsibility for the VRA trainees in audiology.

Jack Ferguson, Master Clinician, and Louise Markum, VRA Trainee Supervisor, were hired as consultants in speech pathology at the Veterans Administration Hospital of Albuquerque. By special contract arrangements, these two members of the Speech and Hearing Center staff have been making weekly visits to the V. A. Hospital to supervise the Vocational Rehabilitation Administration trainees and other graduate students as they work with aphasic patients. Fees for their services have been returned to the Professional Service Clinic account to be utilized for salaries, equipment and supplies of the Speech and Hearing Center.

Cooperation with other colleges of the University and community agencies has expanded during the 1965-1966

academic year. The faculty and staff of the speech pathology and audiology division prepared two demonstrations of audiology in medicine, one each semester, at the request of Dr. Le Baron of the Medical School faculty for members of his medical science classes.

Dr. Fred Chreist was selected as a member of the Board of Manzanita Center associated with the College of Education and graduate students in the PL 85-926 program have observed and completed practicum in cooperation with the Manzanita staff.

Dr. Dolores Butt has directed the Elks Cerebral Palsy program throughout the 1965-1966 academic year, as well as being acting director of the Speech and Hearing Clinic during Semester II. The New Mexico Fraternal Order of Elks provided a graduate fellowship in speech pathology and a special scholarship in dental hygiene. Dr. Butt, Jack Ferguson and a group of graduate students conducted a two day evaluation clinic and demonstration workshop in cerebral palsy at Carlsbad, New Mexico during May, 1966. Dr. Butt attended the short course on cerebral palsy diagnosis and therapy at the University of Missouri during the spring of 1966.

The clinical program, evaluation clinics, and administration of freshmen and transfer students speech and hearing test program has been under the direction of Harold Haines, Clinical Supervisor, who is a three-quarter time employee

of the department. In addition to conducting his regular duties in the Speech and Hearing Center, Colonel Haines gave presentations on career opportunities in speech to twenty high school speech classes in which 675 students were reached. These presentations offered this year, as in the past, in Albuquerque, Los Alamos, Artesia, Roswell and Carlsbad, have helped to account for the increased interest in oral communication and disordered communication in speech and hearing throughout the state. This interest has been reflected in the increasing enrollments in speech classes which appear to be much larger than the percentage of general increase in University enrollments.

3. Television and radio courses provide instruction and practical experience in television for educational purposes.

Enrollment increased in all television classes during the 1965-1966 academic year, continuing the upward trend of the 1964-1965 academic year. Compared to the last time the same courses were offered in the 1963-1964 academic year, total enrollments were up 203% with 124 students compared with 61 students for the earlier year.

Students in Speech 251, Introduction to Radio and Television, and Speech 466, Television and Radio Writing, regularly observed all phases of the on-the-air operation of KNME-TV. Television Production students participated in 16 weekly labs, rotating assignments and gaining

experience as cameraman, floor manager, audio control, switcher, assistant director, and director. Advanced Directing students completed an individual fifteen program project with responsibility for all phases of production and opportunity for analysis of the videotaped product, in addition to relatively routine lab experiences.

Qualified advanced students continued to enjoy a unique opportunity for fully professional employment at KNME-TV. In 1965-66, eleven staff members were also enrolled in UNM classes. Graduate student Richard Krause received national recognition with an N.E.T. award for excellence when TV KINDERGARTEN (which he produced and directed) received the only N.E.T. Award given in children's programming this year. Two advanced students in the TV-Radio Emphasis curriculum--Fred Bornstein and Mike McGinnis--enrolled in the Stanford Summer TV Institute (1965) and were recognized with two of four scholarship awards for outstanding achievement in the Institute.

UNM and its television facility were again selected by the Peace Corps to train the replacement ETV group for Columbia. Dr. Bundy served as Co-Coordinator for ETV training. Curriculum emphasis was weighted to provide a maximum emphasis in practical and experiential training in classroom utilization procedures, practices, and techniques. The training period was divided into Residence and Field training tours. Residence tours provided in-depth experience in classroom utilization lesson-planning, enhanced

reality of observation experiences, and individual supervised practice-teaching opportunities. Field tours again provided an opportunity unique in ETV utilization training to observe and practice utilization skills in non-metropolitan systems.

Dr. Bundy will direct and coordinate a summer course in Educational Broadcasting for Teachers at the University of Arizona, with several of KNME's on-air teachers teaching content units in the course.

In order to keep abreast of national trends and to provide for development of an outstanding graduate program at UNM in the area of mass communication for speech, certain expansion of the academic professional staff will be necessary. It is intended that selected courses already discussed in Speech Department staff meetings will be added to the curriculum in the next two years.

An additional staff member holding the Ph.D. degree will be sought to teach the course offerings contemplated. With the continued expansion of the graduate program, one or more graduate assistants will be requested to help with laboratory instruction and evaluation of academic work in the television writing and production courses.

- B. Significant plans and recommendations for the near future include the continued projection of the Speech Department offerings, working toward the addition of a Doctor of Philosophy degree in speech with concentrations in public

address and forensics; speech pathology and audiology; and speech education. Such a program would be established on present and future offerings in the department based on the three areas discussed in Section A of this report.

During semester two of the 1965-1966 academic year the faculty of the Speech Department devoted half of its staff meetings to the discussion of future plans for the department which might lead toward the offering of the Doctor of Philosophy program while strengthening the present graduate program. New course offerings were discussed in terms of new faculty members already under contract for the 1966-67 academic year. Offerings and the preparation of the new faculty members were discussed in terms of the general philosophy of the Speech Department.

Emphasis on research in normal and disordered communication, new methods of handling increased enrollments, and utilization of newly developed mass media instructional techniques were investigated in terms of strengthening the base of our undergraduate and graduate programs, as well as preparing for the Doctor of Philosophy program. Establishment of the audiology research program under Dr. Lloyd Lamb and the communication research program under Dr. Jim Duff Hughey are two projects planned to strengthen the research emphasis in the Department of Speech.

- C. Five new faculty members holding Ph.D. degrees will be added to the faculty of the Speech Department during the

1966-1967 academic year:

1. Judith Wallace Carey, September, 1966
2. John Douglas Gibb, September, 1966
3. Jim Duff Hughey, July, 1966
4. Lloyd Lamb, September, 1966
5. Marilyn Janet VanGraber, September, 1966

D. The following instructors have separated from the Department of Speech faculty:

1. Judith Cloward, M.A., separation date, June, 1966
2. Robert Halle, M.A., separation date, August, 1966
3. Robert Heath, M.A., separation date, June, 1966
4. Glenda Gray, M.A., separation date, June, 1966
5. Robert Dick, M.A., has been granted a leave of absence for the 1966-1967 academic year to complete his Doctor of Philosophy degree at Stanford University.

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study

- a. Dolores Butt attended the Short Course in Communication.

Problems of Cerebral Palsied at Central Missouri State College, April, 1966.

- b. Judith Cloward was approved by the American Speech and Hearing Association Committee on Certification as having completed academic and internship requirements in preparation for taking her written examinations for the Certificate of Clinical Competence in November, 1966.

- c. Robert C. Dick completed additional work on his dissertation. He was granted a leave of absence for

the 1966-1967 academic year to complete his work on the Ph.D. degree.

- d. Glenda Gray completed the M.A. degree requirements in speech, August, 1965.

2. Sabbaticals, leaves of absence, travel, etc.

- a. Wayne C. Eubank, Chairman, was awarded a sabbatical leave for semester II, 1965-1966.
- b. Jack Ferguson, Master Clinician will leave June 11, 1966 to travel to Europe to attend the International Congress on Gerontology.

3. Publications

a. E. Wayne Bundy

"N.E.T.--The Season Past," NAEB JOURNAL, Vol.24, No.5 (Sept.-Oct., 1965)

"Teacher's Guide for Classroom Utilization of Elementary Science-5," KNME-TV, August, 1965 - Editor

"Teacher's Guide for Classroom Utilization of Elementary Science-6," KNME-TV, August, 1965 - Editor

"Teacher's Guide for Classroom Utilization of Elementary Music-4," KNME-TV, August, 1965 - Editor

"Teacher's Guide for Classroom Utilization of Elementary Music-5" KNME-TV, August, 1965 - Editor

"Teacher's Guide for Classroom Utilization of Elementary Music-6" KNME-TV, August, 1965, Editor

"Teacher's Guide for Classroom Utilization of General Science-9," KNME-TV, August, 1965 - Editor

4. Other research projects or creative work in progress or completed during period

a. E. Wayne Bundy - NAEB Journal staff assignment Radio-TV

Criticism section--contributing panel. "WHAT'S NEW--

Science Fare"--Producer-Director for 3/1/2 hours on

contract to N.E.T. for national distribution this fall and winter.

Coordination of demonstration tape for American Society for Engineering Education demonstration (with Dr. Thorn, EE).

- b. Fred M. Chreist, continued work on his second book;

Foreign Accent: Spanish

- c. Cullen B. Owens, continued research in British and American public address as well as research in persuasion with particular emphasis on the topic persuasion.

5. Activities in learned and professional societies

- a. E. Wayne Bundy - Speech Association of America:

Advisory Board, Radio-TV-Film Interest Group, member (3 year term) 1964-1966.

Freedom of Speech Interest Group, member 1965-66

Theatre Interest Group, member 1965-66

- b. Dolores Butt, President, Council for Exceptional Children, 1966-1967. Treasurer, New Mexico Speech and Hearing Association, 1965-1966.

- c. Fred M. Chreist, instructor in Short Course on Foreign Accent, by invitation of the American Speech and Hearing Association, November, 1965. Attended the Conference on audiology and Teaching of the Hard of Hearing and Deaf, Dallas, Texas, February, 1966.

Served as recorder for this conference.

- d. Judith Cloward, member, New Mexico Speech and Hearing Association.
 - e. Robert C. Dick, attended the Western Speech Convention, Anaheim, California, March, 1966. Assisted in hosting the Western Speech Association Debate Tournament on the UNM campus, November, 1965.
 - f. Robert Halle, appointed member of the committee of fifty of the Speech Association of America.
 - g. Robert L. Heath joined the International Platform Speakers Association.
 - h. Cullen B. Owens attended the annual convention of the Western Speech Association, Anaheim, California, March, 1966.
6. Other professional activities
- a. E. Wayne Bundy, - Albuquerque Public Schools:
TV Program Director, Member (ex-officio) Driver
Education Content Committee, member (ex-officio)
Elementary Music-4 TV Advisory Committee
 - b. Dolores Butt, talks presented classroom teachers of emotionally disturbed children of the Albuquerque Public Schools. Chairman, Council on Exceptional Children Western Regional Speech Handicapped Section. Chairman of the speech and hearing evaluation section

for the Carlsbad Cerebral Palsy Clinic, April, 1966.

- c. Fred M. Chreist, lecturer on Communication Southwest Management Conferences. Lecturer Zia Company Foreman and Supervisor Training Course, Los Alamos, New Mexico. Member, Rehabilitation Center, Inc., Cleft Palate Team.

7. Non-teaching University service

- a. E. Wayne Bundy - KNME-TV, Channel 5:
Program Manager, UNM Program Director
- b. Dolores Butt, Advisor, University College. Director, Elks Cerebral Palsy Program.
- c. Fred M. Chreist, Acting Chairman of the department, semester II, 1965-1966. Speech Advisor, University College and Speech Department; Director, Speech and Hearing Center. Member of the Library Committee and Academic Freedom and Tenure Committee.
- d. Judith D. Cloward, member of committee to pick textbook for Speech 101 in the Department of Speech. Chairman in charge of planning the brochure for University of New Mexico Speech and Hearing Center, Spring, 1966.
- e. Robert C. Dick, Chairman of the Speech 255 curriculum committee, 1966.
- f. Glenda R. Gray, University College advisor for the 1965-1966 academic year.

g. Robert L. Heath, Chairman of the committee for revision of the Speech Department Brochure. Member of the committee for formulation of policy for introduction Speech 101 and Speech 102.

h. Cullen B. Owens, member United Fund Committee, 1965-66 academic year.

8. Public Service

a. E. Wayne Bundy, N.M. Commission on Statewide Television for Educational Purposes: Member, Commissioned by Governor, November, 1963.

b. Dolores Butt, United Cerebral Palsy board member, member of the Albuquerque Association for Retarded Children.

c. Fred M. Chreist, Lay reader and member of the Vestry, St. Marks-on-the Mesa Church.

9. Personal Information

a. Robert C. Dick, daughter Allison, was born on August 24, 1965

b. Robert L. Heath, married September 11, 1965.

COLLEGE OF BUSINESS ADMINISTRATION

Annual Report for the Fiscal Year Ending
June 30, 1966

Howard V. Finston
Dean

I. PREFACE

Following extensive curriculum revisions during the preceding period, the fiscal year ending June 30, 1966 may be characterized as one of program consolidation, long-term planning and aggressive staff recruitment. Of special significance, the College faculty reaffirmed and strengthened its concept of education for administration as a broad, interdisciplinary, multi-functional endeavor. The year now ended also brought an acute awareness of budget and staff requirements implicit in creating a professional school of quality.

II. GENERAL INFORMATION CONCERNING THE BUSINESS SCHOOL

A. Existing Program

1. Current Statistics

Enrollment statistics for the College of Business Administration continue to reflect rapid growth at all levels. As shown in Table I, undergraduate enrollment increased 9 per cent over 1964-65, while graduate enrollment in Business Administration increased 11 per cent. Graduate enrollments at the Holloman Missile Development Center remain higher in Business Administration courses than in any other field, while on campus student credit hours in Business Administration courses rose 18 per cent over the previous year (Table II).

Table IStudents Majoring in Business Administration

	<u>1960-61</u>	<u>1961-62</u>	<u>1962-63</u>	<u>1963-64</u>	<u>1964-65</u>	<u>1965-66</u>
University College	323	341	375	419	N.A.	N.A.
College of Bus. Adm.	198	186	208	268	313	341
Graduate School	88	74	79	81	110	122

Table IIBusiness Administration Student Enrollment and Credit Hours

	<u>1963-64</u>	<u>1964-65</u>	<u>1965-66</u>
Student Enrollment	1487	1740	2063
Credit Hours	4434	5205	6183

These growth figures naturally reflect general increases in student enrollments throughout the University. Significantly, however, more rigorous program requirements imposed by the College last year seem not to have discouraged many business majors; on the contrary, non-directive interviews with graduating seniors and master's candidates suggest quite the opposite, as will be discussed shortly. The vigorous growth forecasted for Colleges of Business Administration throughout the United States over the next decade undoubtedly will be manifested in dramatic form at this University.

2. Academic Program

a. Undergraduate

As was noted in last year's report, recent curriculum revisions reflect a unified or systems approach to the study of administration. Moreover, greater emphasis has been placed upon student involvement in problem analysis, case discussion,

and presentation of individual or group research findings.

Analogous to the idea that a manager must develop himself, education for administration is a process largely within the individual and one requiring a strong personal commitment.

This participative approach to education characterizes an increasing number of courses with the College. Needless to add, availability of case and seminar rooms in the new College-Bureau complex will contribute significantly to the achievement of these educational objectives. Meanwhile, an encouragingly large segment of the faculty has been experimenting with various instructional approaches, including administrative games, role-playing, individual and group case analysis, and skill development sessions. Marketing, organizational behavior, labor relations, and advanced personnel theory have been taught on a collaborative basis involving two or more faculty members. The faculty of this College appears quite prepared to reexamine traditional methods of instruction and to develop approaches which more effectively support educational objectives.

b. Graduate

Objectives of the new Master of Business Administration program introduced last fall were two-fold; first, to take a major step forward in separating the undergraduate and graduate programs in Business Administration; and secondly, to insure that students having a non-business background (with limited work in such related areas as mathematics, economics, behavioral science and statistics) would acquire an appropriate foundation as quickly as

-4-

possible. After one year's experience with the new program it would appear that these objectives have been substantially achieved. Furthermore, recent additions to the graduate faculty will permit the College to offer a relatively complete selection of second-year seminars in 1966-67, together with all nine first-year courses.

3. Southwest Management Development Program

Under the experienced and creative leadership of Dr. Edward G. Nolan, the Southwest Management Development Program embraces a diversified series of developmental conferences, including the basic executive series, an advanced level program, the yearly conferences for State Highway Engineers, a specialized conference for public administrators, the Indian Tribal Management Program, and a limited number of shorter seminars for particular industry groups. The retreat-type advanced program conducted at The Bishop's Lodge, and the ten-week conference for public administrators held on campus represent entirely new programs initiated at the insistent request of business and government officials.

Leaders in industry and in government are increasingly sensitive to the new dimensions of administration cited earlier in this report - dimensions best described as interdisciplinary, quantitative, behavioral, and international. Within this context, the Southwest Management Development Program has been judged extremely useful in providing a focus upon the changing role of the administrator. Equally clear, the task confronting this College is one of marshalling talented but presently limited faculty resources to meet an

-5-

insatiable demand for continuing professional education at all management levels.

4. Data Processing Program

A detailed review of the 14-month instructional program in Data Processing is included in the 1965-66 Annual Report of the Director of Data Processing, Professor F. Parker Fowler.

5. Faculty Recruitment and Development - A Statement of Philosophy

A recent statement by Courtney C. Brown, Dean of the Graduate School of Business at Columbia University, provides a brief but succinct history of education for business (private and public), and in so doing clearly distinguishes the emerging themes which must guide program planning and staffing actions.

Dean Brown's conclusions closely parallel our own - namely that the business curriculum of the next decade must reflect an integration of such diverse disciplines as operations research, behavioral sciences, and information theory, together with a broadened concept of the nature and purposes of the more traditional functions of business (production, marketing, finance, personnel, and accounting). Moreover, each of these areas must evidence an international as well as domestic orientation.

Despite the views of leading educators such as Brown, Arbuckle, and Gardner, a disquietingly large number of Business faculty members throughout the country insist that "business as usual" as it was taught in the 1940's still remains the only legitimate approach to the subject, that behavioral scientists and management scientists have no place on a business school faculty and that specialization

-6-

within a given functional area is of overriding importance no matter what the trade-off in terms of more general professional or liberal education.

The current philosophy of this College does not represent a radical departure in any fundamental sense. Under Dean Sorrell, an appropriate balance between liberal and professional academic work was established and maintained. Dean Parish, who was equally committed to a professional program built upon a strong background in the natural sciences, social sciences and humanities, articulated the compelling need for breadth within the business area itself. Today we find that the study of administration, or resource management and its related consequences for the individual and for society, requires obvious dependence upon a variety of disciplines, several of which did not even exist a few years ago.

Staff Requirements - Qualitative

It is not sufficient to subscribe to a dynamic view of education for business in a philosophical sense alone. Not surprisingly, the new philosophy requires a new breed of professor - an individual whose training and interest transcend any single functional area, one who is committed not only to excellence in teaching but who has the ability to investigate and to develop new tools of analysis and new insights regarding human behavior. In short, the new breed of business professors will evidence a necessary balance of teaching and research talent, and equally important, will have both the inclination and the ability to work as members of an interdisciplinary team committed to a total professional program.

-7-

Outstanding talent never has been inexpensive. Especially is this the case for the extraordinary business professor frantically sought by the university, by the corporate firm, and by government. The young business Ph.D., especially when evidencing an interdisciplinary background and capability, finds himself in extreme demand. Normal patterns of salary and rank progression have been obliterated; not infrequently offers of an associate professorship at \$12,000 to \$14,000 are forthcoming even before the candidate completes his dissertation.

Current hiring practices of these more aggressive institutions may be judged unwise, but nonetheless they are reality. The question before us is not whether we will compete but how we will do so. For a failure to meet the challenge of the marketplace will necessarily commit New Mexico to mediocrity in faculty and program.

For various reasons, the College of Business Administration typically has hired junior-level staff members. This practice has certain obvious appeals, among them initial low cost and accommodation of faculty interests in seniority as a basis for promotion. Equally obvious, however, an exclusive policy of junior-level hiring is likely to limit the rate of progress for any College, and at worst, may represent an indirect commitment to present programs and standards, regardless of the need for change.

After painstaking analysis of the relationship between present program objectives and current staff qualifications, we feel it essential to attract a selected number of senior-level individuals in order to achieve appropriate breadth and depth of talent in the

several instructional/research areas within the College. These individuals must have the doctorate, they must evidence a strong interest and capability in directing graduate programs in their respective areas, they must have demonstrated research and writing capabilities, and most importantly, they must be sensitive to the general philosophical considerations discussed earlier.

In accordance with this assessment of College staffing requirements, several senior-level faculty members with distinguished records will join the College this September: Dr. Walter G. O'Donnell of the University of Massachusetts; Dr. Kenneth W. Olm of the University of Texas; Dr. Joseph W. Thompson of Michigan State University and Dr. Jack Matthews of the University of Rochester. Two highly capable junior-level instructors, Mr. Dennis Royer and Mr. Roger Eck, also will be teaching in the College this next year, as will Mr. William A. Shinnick, Director of the Technology Applications Center.

Of profound long-term significance to the College and to the University, the academic year 1966-67 marks the establishment of a Visiting Distinguished Professorship in Business Administration. The purpose of this continuing program is to identify each year an exceptional individual of national reputation who is prepared to make a major contribution to the College program and to staff development. We are fortunate indeed to have Dr. Theodore J. Kreps, of the Stanford Graduate School of Business, as Visiting Distinguished Professor of Business Administration for Semester I, 1966-67. Dr. Kreps's brilliant reputation as a scholar, teacher, consultant, and advisor within the Stanford doctoral program reflects abilities uniquely valuable to this College.

6. Bureau of Business Research - Business School Activities

The Bureau and the College continue to be involved in a number of joint efforts, ranging from the diversified management development activities described earlier in this report, to planning of selected research studies, and long-term staffing actions having implications for both organizations. In order to insure that program planning and policy formulation be developed in a manner most advantageous to both organizations, a Bureau-College coordinating committee has been established. Committee membership includes the Director and Associate Director of the Bureau of Business Research, and the Dean and Assistant Dean of the College of Business Administration. As defined in a recent memorandum to the Vice President this Committee formalizes the close consultative relationship which has existed between the Bureau and the College for many years. More specifically, the forum provided by this Committee will serve to keep both organizations apprised of programs and problems which have mutual relevance. The Committee also will be concerned with major staff appointments in either organization. Illustrative of this responsibility for staffing, the Committee recommended that Professor Everett G. Dillman be designated as Acting Director of the Bureau during Mr. Blumenfeld's nine-month leave of absence in 1966-67.

7. The College of Business Administration - Bureau of Business Research Buildings

1965-66 was a year of major progress toward the new College-Bureau building complex. As a result of invaluable discussions with Van Dorn Hooker, University Architect, and Robert Riley, who assumed

the difficult task of writing the final building program, (and certainly no less important, with the sympathetic concurrence of the University of New Mexico Planning Committee) it was possible to define College-Bureau facilities requirements in a manner highly compatible with longer-term program needs. The new College/Bureau complex promises to be a structure highly sensitive to instructional and research requirements, to the diversified functions performed within both organizations, and to the psychological needs of faculty, students, and the public.

The fortunate selection of John Reed as architect will ensure that the new center emerges as an exciting architectural statement which must reflect an equally exciting research and instructional program.

8. Organizational Planning

As was noted in last year's report, rising enrollments and increasingly diversified and complex program activities within the College have necessitated a careful review of College organizational relationships. The appointment of Dr. Lothar G. Winter as Assistant Dean last July has proved to be an extremely important action. Dr. Winter, despite an above-normal teaching commitment, has provided invaluable collaborative assistance in the development of long-term program objectives, in staff recruitment, and, needless to say, in the day-to-day decision-making which characterizes a professional school.

Also during the 1965-66 academic year, four three-member committees were established within the College on a one-year experimental basis: Personnel, Graduate Study and Research, Public and Student Relations,

-11-

and Undergraduate Curriculum. Whereas useful contributions emanated from each of the committees, the Graduate Study Committee under the leadership of Professor Ralph Edgel is deserving of special commendation. Professor Edgel, assisted by Professor Dillman and Professor Kirkpatrick, assumed the difficult task of advising all first-year graduate students entering the newly-revised M.B.A. program. Moreover this Committee, in consultation with the graduate faculty of the College prepared written statements of criteria to govern assignment of students to first or second year courses, and to thesis or the newly introduced non-thesis programs.

9. Business School - Professional Community Relations

Of manifest importance, a professional school of administration must maintain continuing and supportive relationships with the professional community. Obviously, the extensive contacts with public and private administrators established through the Southwest Management Development Program contribute toward this end. Executives attending these programs, with refreshing unanimity have enthusiastically endorsed the program philosophy of this College, and, no less importantly, have strongly commended participating faculty members.

Beyond these stimulating and useful contacts between the College and the community of professional administrators, statements of agreement have been negotiated between the Business School and selected private or public organizations which allow students majoring in Business to obtain professional experience while pursuing their academic studies. One such agreement establishes opportunities for undergraduate majors in accounting to gain work experience with the Internal

Revenue Service. Another cooperative agreement stems from establishment of a branch of the American Bank of Commerce on campus, and designation of a graduate student in Business Administration as branch manager. Similar work-study agreements with the City of Albuquerque and with the Atomic Energy Commission are being explored.

10. Interviews with graduating seniors and M.B.A. candidates

Early in May 1966, all graduating seniors and M.B.A. candidates were invited to meet with the Dean of the College and to make whatever comments they wished concerning the College program, the faculty, the University as a whole, and their own career plans. These discussions, ranging from 15 minutes to over one hour with each student, were entirely voluntary; and slightly more than 50 per cent of all graduating Business Administration majors (32 interviews) arranged for appointments.

Interviews were largely non-directive. As one might expect, subjects under discussion ranged from quite personal opinions concerning individual faculty members to general observations on educational philosophy, instructional approaches, and career alternatives.

From the viewpoint of the College, these talks with a cross-section of mature students were highly valuable. Most students appeared genuinely appreciative of the interview program itself, and of the opportunity afforded to engage in a frank discussion with the Dean. No less important, student comments proved quite useful in identifying areas of major strength within the College program itself, and conversely, in isolating several problems which deserve serious consideration by the faculty and administration.

-13-

Many students view advisement at all levels in the University as deficient. Too little attention to the student, unavailability of advisors, and occasional incorrect advisement were cited as illustrative of the general problem.

Not surprising, students complimented some instructors and criticized others. A majority of students were highly critical of the descriptive or memory approach which typified many courses throughout the University. Virtually all interviewees argued for more involvement of students in class discussions, in joint research projects, and in other assignments which require individual initiative.

Overall, student impressions of the Business School program and faculty were quite supportive. A strong majority of interviewees judged the Business faculty as competent, friendly, helpful, and available when needed by the student. The graduate class viewed the College as making them feel wanted and of importance as individuals.

The vast majority of students were highly supportive of recent program developments involving extended class discussion, and involvement of the student in case analysis, group presentations, and individual or group research. Most students favored a broad integrated approach to administration rather than a more narrow, specialized curriculum. Several commented to the effect that the program today was considerably better than it was two years ago; and that it would be better still in two more years.

New staff members received a strong endorsement in most instances, as did a majority of the more senior faculty. Instructors employing a theory-oriented rather than a descriptive or technique-oriented approach were preferred.

In summary, student comments suggest that while ample room for improvement exists in advisement as well as in teaching, recent program changes have increased the rigor, the usefulness, and the attractiveness of Business School offerings. Students in this College appear sympathetic to and appreciative of faculty efforts to reevaluate program efforts on a continuing basis, and faculty willingness to change instructional methods as well as course content where this appears in the best interests of the student.

B. Major Plans and Recommendations

The foregoing discussion of College philosophy leads inevitably to examination of long-term objectives and strategies.

It should be obvious that the future contemplated for this College is not simply an after-taxes version of programs in Business Administration at the University of Indiana or Ohio State, respectable as these may be. New Mexico can not hope to compete effectively by duplicating elaborate and highly specialized curricula of much larger institutions. Analogous to competitive strategy within industry itself, the reputation of this College hinges upon our ability to develop a program in administration which is distinguished by a holistic approach to the subject, by creative innovation, by perceptive understanding of the future as well as the past, and by fuller development of student and faculty potentialities.

We envisage a professional school of administration which focuses upon the role of the administrator in a great variety of organizational settings. Such a program must be experimental in approach, and evolve through critical examination of existing pedagogy as well as curricula.

-15-

Most fundamental, we must create an instructional and research environment conducive to real collaboration among professors of sharply different area interests.

The foundation for this sort of program at the University of New Mexico now appears to exist. Whether we shall succeed in the ultimate goal, creation of a truly distinguished School of Administration, will depend in the long term upon budget support. In the short term, establishment of a doctoral program in Administration and accreditation by the American Collegiate Schools of Business are judged indispensable to the continued progress of this College.

1. Toward a Doctoral Program in Administration

At the beginning of fall semester, 1966-67, a College doctoral committee will be appointed by the Dean. This committee will be representative of all major disciplines within the school, and also will represent a balanced cross-section of the faculty in terms of rank, teaching and research interests, and educational philosophy. The committee will be charged with the responsibility of exploring alternative approaches to advanced study in administration, and will be asked to submit a detailed proposal for a doctoral program to the College faculty and to the Dean no later than February 1967.

Whereas a variety of compelling reasons can be advanced to support establishment of doctoral work in management at this institution (and undoubtedly, these considerations will receive full discussion in a formal doctoral proposal), the impact of the doctorate upon the College staffing function assumes overriding importance. Given the intensely competitive battle for qualified faculty in the several

-16-

areas within Business Administration, offering of the doctorate assures at least two crucial advantages: first, outstanding candidates for faculty positions in the Business area generally give first if not sole preference to schools offering an advanced degree; and second, the anticipated long-term imbalance between supply of qualified instructors and demand make it imperative for us to train a significant segment of our own junior-level instructional staff. Availability of doctoral teaching assistantships within the College may well represent the difference between growth and stagnation.

2. Toward Accreditation by the AACSB

Much was accomplished last spring under the direction of Dean Winter in preparing necessary data for review by the American Association of Collegiate Schools of Business. These efforts will be intensified during the 1966-67 academic year so that the College may file a formal application for accreditation in September 1967. Professor Lloyd Seaton has agreed to share the responsibility for preparatory efforts during the forthcoming academic year.

The AACSB has grown markedly in stature and influence since publication of the Ford and Carnegie Foundation reports several years ago. Virtually all of the outstanding schools of business now are active members of the Association. AACSB regional and national conference activities represent a strong positive force in the evolution of education for administration. Of no small concern, many able faculty members (and often graduate students as well) are increasingly concerned with the question of accreditation in selecting an institution for future employment or study.

-17-

The new College of Business-Bureau of Business Research building scheduled for completion in mid-1968 will emerge as one of the finest instructional and research plants in the country. It is entirely fitting that this exciting architectural accomplishment be accompanied by introduction of an equally imaginative new program at the doctoral level, and by appropriate national recognition of New Mexico through accreditation by AACSB.

C. Appointments to Staff

Visiting professorships were awarded to Dr. Walter G. O'Donnell, Dr. Kenneth W. Olm, Dr. Joseph W. Thompson, and Dr. Jack Matthews. Mr. Roger Eck and Mr. Dennis Royer were appointed as instructors in Business Administration. Dr. Theodore J. Kreps was appointed Visiting Distinguished Professor of Business Administration. Mr. William A. Shinnick was appointed Assistant Professor in Business Administration.

D. Separations from Staff

Professors Thomas O. Kirkpatrick and Rudyard B. Goode resigned, effective June 30, in order to accept positions at other universities.

III. COMPOSITE OF BIOGRAPHICAL SUPPLEMENTS

A. Advanced Study

1. Dillman, Everett: Submitted dissertation for final approval.
2. Fowler, Parker: Completing doctoral dissertation. Ph.D. expected August, 1966, from University of California at Berkeley.
3. Kirkpatrick, Thomas: Completing dissertation for Ph.D. from Ohio State University.
4. Mori, Perry: Passed New Mexico State Bar Examination.
5. Seaton, Lloyd: Certified Public Accountant certification, September, 1965. Completing doctoral dissertation for the University of Arkansas.
6. Winter, Lothar: Two-week course in linear programming at the University of California at Berkeley.
7. Yeakel, John: Passed comprehensive qualifying examinations for Ph.D. at the University of Florida, April, 1966.

B. Sabbaticals, leaves of absence, and travel

1. Fowler, Parker: Leave of absence, September 20 to October 20, to work on dissertation.
2. Reva, Virginia: For the seventh consecutive year, gave seminars in executive secretarial work and in office management at Monterrey, Mexico, June, 1965.

3. Winter, Lothar: Marketing consultancy in Geneva, Switzerland during summer, 1965.

C. New scholastic honors, fellowships, and special seminars

1. Finston, Howard: Economics-in-Action Fellowship awarded by Case Institute of Technology.
2. Seaton, Lloyd: Elected to membership in American Institute of Certified Public Accountants. Awarded certificate for attaining highest cumulative grade on CPA examination by the Arkansas State Board of Accountancy. Also, letter of commendation from the Governor of Arkansas.

D. Publications

1. Dillman, Everett: "A Survey of Starting Salaries Paid By Colleges with Curricula In Commerce and Business," Bureau of Business Research, December, 1965, 23 pp.
2. Edgel, Ralph: "Projections of the Population of New Mexico and Its Counties to the Year 2000," New Mexico Business, July, 1965, 14 pp. and August, 1965, 6 pp.; "New Mexico's Economy in 1965," March, 1966, 8 pp.; Frame of Reference for Evaluating New Mexico's Resources, Phase I, State Resources Development Plan for the State Planning Office, Santa Fe, December 1965, 80 pp.; Estimates of the 1965 Population of New Mexico Counties, BIS No. 44, Feb. 1966, 4 pp. BBR.
3. Kirkpatrick, Thomas: Four articles in New Mexico Wildlife magazine, New Mexico Department of Game and Fish. Monograph: Economics and Social Values of Hunting and Fishing in New Mexico, Bureau of Business Research, 1966, 94 pp.
4. Reva, Virginia: "A Reservoir of Talent," New Mexico School Review, April, 1966, 2 pp.
5. Winter, Lothar: "Marketing Games as a Basis for Developing Strategical Thinking Ability in Students," Wirtschaftsdienst, Welt. Wirtschaft-Archiv., Hamburg, Germany, 22 pp.

E. Other Research or Creative Work

1. Christman, Karl: Non-sponsored pilot study on significance and feasibility of a set of "Generally Accepted Accounting Principles."
2. Finston, Howard: Co-director, study of Small Business Development Centers for the Office of Economic Opportunity. Co-author of final report, Kirschner Associates, 1966, approximately 80 pp.
3. Fowler, Parker: Revision of textbook, Basic Math for Administration, in progress.

-20-

4. Goode, Rudyard: Completed study on feasibility of pulp and paper-making in Northern New Mexico. Study sponsored by U. S. Forest Service. Completed study on role of government in economic development of New Mexico.
5. Huber, William: Member of faculty of the Southwest Management Development Program.
6. Mori, Perry: Uses of Data Processing in the teaching of basic Accounting.
7. Nolan, Edward: Textbook contract signed with Wadsworth Publishing Co. Title: Transactionalism and Human Relations (work in progress). Continuing research projects (non-sponsored): Two Multidimensional Scaling Studies on (1) Effects of Human Relations Training and (2) Dimensions of Political Judgment.
8. Winter, Lothar: Monograph: Global Marketing Strategies, (in progress). Sponsored project: Development of a Global Marketing Plan, Sodeco, Geneva, Switzerland.

F. Activities in Learned and Professional Associations

1. Dillman, Everett: Paper read before New Mexico League for Nursing, "Nursing in New Mexico," November, 1965. Paper read before New Mexico Municipal League, "Selection Problem for Municipal Employment," May 1966. Elected 3rd Vice President for Publications, Academy of Management, Southwestern Division, April 1966.
2. Finston, Howard: Member, Nominating Committee, Academy of Management, Southwestern Division, April, 1966. Attended annual meetings of American Association of Collegiate Schools of Business (San Diego) and Academy of Management, Southwestern Division (New Orleans). Also attended Annual Social Science meetings in New York, December, 1965.
3. Fowler, Parker: Attended annual meeting, Academy of Management, Western Division, (Monterey, California), in April, 1966. Also, University and College Machine/Records Conference, in Gatlinburg, Tennessee, Spring 1966. Appointed General Program Chairman for 1967, Vice President and President-elect, New Mexico Chapter, Data Processing Management Association.
4. Goode, Rudyard: Attended Joint Social Science Associations Meeting, New York, December, 1965.
5. Huber, William: University of New Mexico representative, WAC Winter Meeting; WAC delegate and representative to the NCAA National Convention, January, 1966.
6. Kirkpatrick, Thomas: Attended American Marketing Association meetings, in Washington, D.C., September, 1965.

-21-

7. Mori, Perry: Member, New Mexico State Society of C.P.A., Accounting Association of The University of New Mexico, and the American Bar Association.
8. Nolan, Edward: Attended meetings of Western Psychological Association, in Long Beach, April, 1966; and Rocky Mountain Psychological Association, Albuquerque, May, 1966.
9. Reva, Virginia: Secretary, UNM Chapter, New Mexico Education Association. Member, Scholarship Committee, The University of New Mexico.
10. Sampley, Gayle: Member, A.A.U.W.
11. Seaton, Lloyd: Panelist, Southwest Social Science Meetings in New Orleans, 1966. Chairman, New Mexico Accounting Careers Council Program Committee. Represented College at National Accounting Association meetings. Member, American Accounting Association; AICPA.
12. Winter, Lothar: Attended American Marketing Association Meeting in Washington, D.C.; Allied Social Science Meetings in New York, and the American Association of Collegiate Schools of Business Annual Convention in San Diego.
13. Yeakel, John: Joined New Mexico Society of Certified Public Accountants, and New Mexico Accounting Careers Council.

G. Other Professional Activities

1. Christman, Karl: Tax consulting.
2. Dillman, Everett: Statistical consultant to New Mexico Department of Game and Fish; Management consultant to Office of Economic Opportunity.
3. Edgel, Ralph: Economic Consultant for Kirschner Associates.
4. Finston, Howard: Participated in several sessions of the Southwest Management Development Program in Santa Fe. Also conference leader in several other management development programs. Consultant to business and government. Talks before various professional and civic groups.
5. Fowler, Parker: Consultant in Systems Analysis to AVC. Inc. Member, Governor's Advisory Committee in Data Processing. Lecturer, Governor's Seminar in Management for State Administrators. Member, Bernalillo County D.P. Advisory Committee. Many talks and presentations to Albuquerque groups. Lecturer in Southwest Management Development Program.
6. Huber, William: Speeches for clubs and civic organizations. Legal consultancy. Five-week law review school - private enterprise.

-22-

7. Kirkpatrick, Thomas: Talk before Albuquerque Sales Executives.
8. Mori, Perry: Consulting in accounting and income taxes. Addresses to various groups.
9. Nolan, Edward: Invited to present series of seminars in Department of Psychiatry, University of Kansas Medical School. Discussion leader and Director, Southwest Management Development Program. Research consultant, Kirschner Associates. Reviewer, Wadsworth Publishing Co.
10. Reva, Virginia: Eleventh year as guest lecturer on Communications at the NCO Academy, Kirtland Air Force Base, Albuquerque. Also gave about 20 talks before business and professional groups.
11. Sampley, Gayle: Guest speaker at Valley High chapter of Sigma Beta Epsilon, business honorary organization meeting. Participated in city-wide contest for superior business students.
12. Seaton, Lloyd: Numerous off-campus talks and panel presentations. Limited consulting. Assisted in planning and presentation of Accounting Seminar, "Automation or Stagnation," sponsored by the College of Business Administration and others.
13. Winter, Lothar: Participant (conference leader) in the Southwest Management Development Program, the Indian Tribal Management Program, the Latin-American Orientation Program, and Public Administration Conference, and the Advanced-level Executive Program. Marketing consultant to two major Swiss Corporations.

H. Non-Teaching University Service

1. Christman, Karl: Member, Insurance Committee; student advisement.
2. Dillman, Everett: Assisted in wage survey for non-academic personnel. Member, University Committee on Insurance and Retirement. Member, College of Business Administration Graduate Committee.
3. Edgel, Ralph: Chairman, Graduate Committee of the College; student advisor for M.B.A. candidates. Member, University Policy Committee.
4. Finston, Howard: Dean, College of Business Administration; member, Administrative Committee, Committee on Entrance and Credits, College of Business Administration - Bureau of Business Research Coordinating Committee.
5. Fowler, Parker: Director, Data Processing Center. Involved in University of New Mexico systems conversion project. Member, Computer Center Committee, College Undergraduate Curriculum Committee.

-23-

6. Goode, Rudyard: Member, Graduate Committee.
7. Huber, William: Director, University College and Counseling Center. Chairman, Student Publications Board. Member, Administrative Committee, Committee on Entrance and Credits, Board of Deans for University College.
8. Kirkpatrick, Thomas: Member, University Curricula Committee, and College Graduate Committee.
9. Mori, Perry: Advisor, College of Business Administration and University College. Committee on Insurance and Retirement.
10. Nolan, Edward: Director, Southwest Management Development Program. Member, Cultural Committee. Member, three doctoral thesis committees.
11. Reva, Virginia: Faculty advisor to 126 students in Education, University College and Business Administration. Taught one course in the Community Evening College. Participated in Latin American Orientation Program.
12. Seaton, Lloyd: Faculty advisor for University College. Member and advisor, Alpha Phi Omega.
13. Winter, Lothar: Assistant Dean. Member, Outstanding Teacher Award Selection Committee. Faculty advisor in Marketing. Vice Chairman, Technology Applications Center Advisory Committee.

I. Public Service

1. Dillman, Everett: Member, Bernalillo County Personnel Board.
2. Edgel, Ralph: One report in support of application for a bank charter.
3. Finston, Howard: Member, City Personnel Board, Small Business Advisory Committee; Ministerial Selection Committee, and Chairman, Program Proposal Committee, First Unitarian Church.
4. Fowler, Parker: Elder-Trustee, First United Presbyterian Church; President, Chancel Choir.
5. Nolan, Edward: Invited speaker in a program series, "Religious Needs in a Changing World," First Unitarian Church of Albuquerque.
6. Reva, Virginia: Church work. American Cancer Society, etc.
7. Sampley, Gayle: Active member at Hoffmantown Baptist Church.
8. Seaton, Lloyd: Assistant Scoutmaster, Troup 3.

J. Personal Information

1. Nolan, Edward: Became United States citizen.

The Report of the College of Education

July 1, 1965 - June 30, 1966

Chester C. Travelstead, Dean

I. General college information

A. Significant achievements during the academic year, 1965-66.

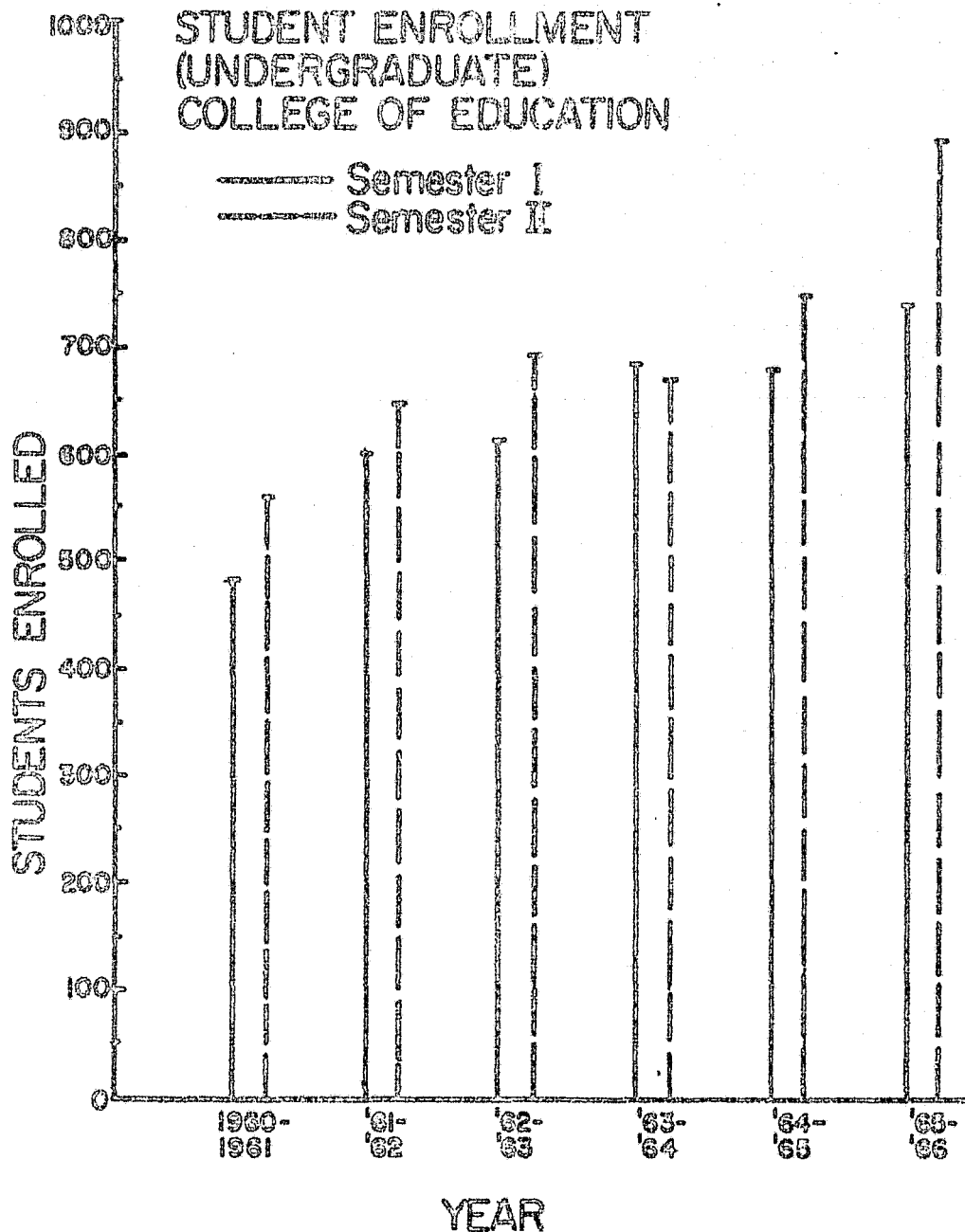
1. The College continued during this period to cope with ever-increasing enrollments in courses (undergraduate and graduate) offered by the College. Listed on the following four pages are tables giving figures which clearly indicate the nature and extent of this increase.

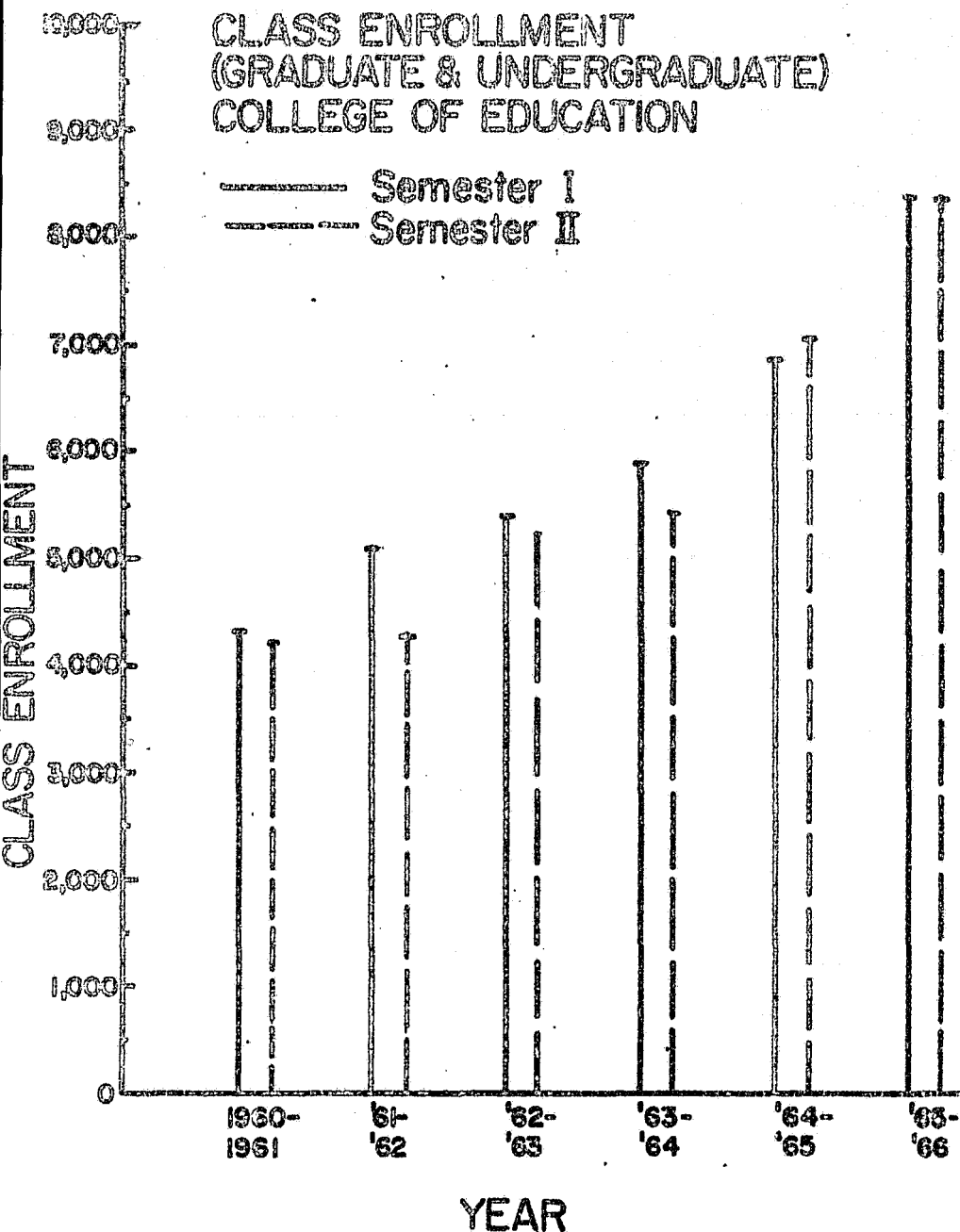
2. During the year we continued the operation of two unique programs which were reported in the 1964-65 Annual Report: a) education of selected elementary school teachers from Paraguay; and b) new doctoral program for the preparation of school administrators (financed by the National Institute of Mental Health). Details of these programs are included in separate departmental reports.

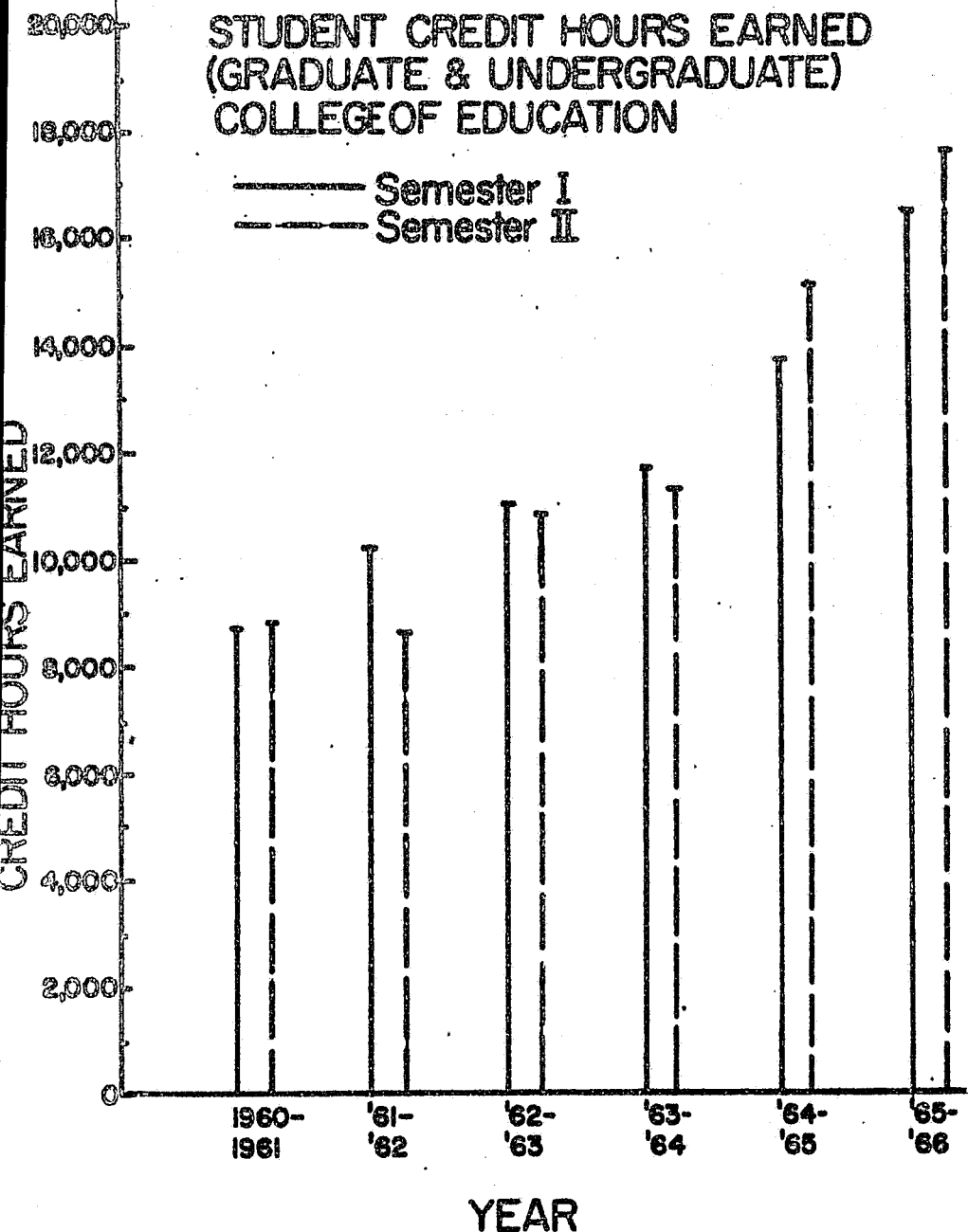
3. We also continued the process of screening applicants for undergraduate teacher education programs

ACADEMIC YEAR	SEMESTER	STUDENTS ENROLLED- UNDERGRADUATE	CLASS ENROLLMENT GRADUATE & UNDERGRADUATE	CREDIT HOURS EARNED
1960-1961	I	485	4,280	8,633
	II	555	4,160	8,725
1961-1962	I	598	5,068	10,157
	% Increase	23.3%	18.4%	17.6%
	II	645	4,254	8,627
	% Increase	16.2%	2.2%	(-)1.1%
1962-1963	I	613	5,374	10,996
	% Increase	2.5%	6.0%	8.2%
	II	691	5,202	10,886
	% Increase	7.1%	22.3%	26.1%
1963-1964	I	678	5,830	11,607
	% Increase	10.6%	8.5%	5.5%
	II	665	5,377	11,345
	% Increase	(-)3.7%	3.3%	4.3%
1964-1965	I	674	6,691	13,773
	% Increase	(-)0.6%	18.2%	18.6%
	II	749	7,119	15,097
	% Increase	12.4%	32.3%	33.0%
1965-1966	I	740	8,380	16,470
	% Increase	9.8%	21.6%	19.6%
	II	889	8,361	17,650
	% Increase	18.8%	17.4%	16.9%

STUDENT ENROLLMENT
(UNDERGRADUATE)
COLLEGE OF EDUCATION







at The University of New Mexico. At the July, 1965 screening session, 155 students were tested; in October, 1965, 373; and in February, 1966, 362; making a total of 2,457 students who have been screened since this process was started in October, 1963.

4. A three-year contract between UNM and USAID for technical assistance in primary education in Ecuador was signed in January, 1966, and a UNM team headed by Dr. John Aragon has been in Quito, Ecuador since February, 1966. The contract, administered through the College of Education, includes: a) preparation (pre-service and in-service) of elementary school teachers; b) development of model normal school programs and in-service education of normal school faculties; c) consultant service on the construction of buildings for primary and normal schools; and d) development and writing of elementary-school textbooks for Ecuadorian schools.

5. Members of the College of Education faculty and administrative staff were instrumental in developing proposals and in getting approval of two major projects under the Elementary and Secondary Education Act of 1965. Under Title III of this Act a project proposed by the New

Mexico Cooperative Study and Research Council (sponsored by the UNM College of Education) was approved and put into operation in February, 1966. Dr. Patrick Lynch of this faculty was given a one-year leave of absence in order to direct this project.

Under Title IV of this same Act a regional educational laboratory was established for the southwest. (Arizona, New Mexico, West Texas, and Oklahoma) This laboratory, designed to help improve elementary and secondary education in this part of the country, was begun on June 1, 1966 and has as its director, Dr. Paul Petty, a member of the College of Education faculty on leave without pay for the 1966-67 academic year.

6. A new department, Guidance and Special Education was authorized and begun during the year. (See separate departmental report for details.)

7. A new program option in the field of Science and Mathematics was approved during the year under the Master of Arts in Teaching (MAT) degree, authorized several years ago. (See report by Department of Secondary Education for details.)

8. Under the sponsorship of UNM's Department of Health, Physical Education and Recreation and the Lovelace

Foundation, an International Symposium on the Effects of Altitude on Human Performance was held on the UNM campus in March, 1966. (See report of Department of Health, Physical Education and Recreation for details.)

9. New and much improved student teaching programs in both secondary and elementary education were planned during the 1965-66 academic year and were begun in September, 1966 in cooperation with the Albuquerque Public Schools. (See departmental reports.)

10. The College of Education, through several of its faculty members and administrative officers, directed a Seminar on Higher Education in March, 1966. Supported by funds from the U. S. Department of State, this seminar was held for rectors and other administrative officers and faculty members from Central and South American universities. The participants spent one week on the UNM campus and then spent four weeks on the campus of the University of Kansas. UNM will conduct a similar seminar in the spring of 1967.

11. The dean of the College directed an internship program, supported by funds from the Ford Foundation. This program, called the Internship in Latin American Education Program, has placed 20 carefully selected graduate students

from various parts of the United States in Latin American agencies such as ministries of education, planning agencies, and universities for internships of from 12 to 24 months. The purpose of the program is to increase the pool of trained young men and women available for permanent placement in institutions and agencies (public and private) involved in Latin America. This program began in 1965 and will terminate in its present form late in 1967.

12. During the summer of 1966, three NDEA institutes, developed and directed by College of Education faculty members, were held on the UNM campus. (See reports of Departments of Secondary Education, Educational and Administrative Services, and Elementary Education for details.)

13. A request for increasing the professional staff in the Office of the Dean was approved in 1966, and beginning in September, 1966, an administrative assistant to the dean is to assume her duties. This action should alleviate, at least in part, the heavy administrative responsibility described in previous reports. This must be followed, however, by more reorganization in the College and the addition of an Associate Dean and an Assistant Dean

before the 1967-68 academic year.

14. The dean of the College was chairman of the 1965-66 United Fund drive on the UNM campus. With the help of some 50 faculty and staff members, the UNM United Fund Committee raised in excess of \$21,000 during the year - an increase of 10% over the previous year.

15. The Learning Materials Center and the multi-media services in the College (both to students and faculty) were expanded considerably during the year. This expansion has resulted in some improvement of both the undergraduate and graduate programs in Education.

16. Considerable improvement in the landscaping around the Education Complex was effected during the year, with the help of the UNM Physical Plant Department and individual faculty members in the College of Education. More grass, flowers, shrubbery and trees have helped to improve the physical appearance of the College.

17. A faculty committee on Improvement of Instruction was established in the College, and it made several reports during the year to the College of Education faculty.

B. Significant plans and recommendations for the near future.

1. Continue our attention to the improvement of instruction at both the undergraduate and graduate levels. Hopefully this effort will be enhanced by: a) more careful screening of applicants to all programs; b) continuing and increasing emphasis on getting and retaining well-qualified faculty; c) continued expansion and improvement of use of multi-media in the classroom in the College, including closed circuit educational television; and d) self-evaluation and departmental evaluation of classroom performance of faculty.

2. Increase our emphasis on educational projects in Latin America and organize more effectively our human and material resources to support such projects. In addition to continuing our present contract to provide technical aid for the improvement of primary education in Ecuador, we hope during the 1966-67 academic year to negotiate and sign a contract to furnish technical aid for the improvement of secondary education in Colombia. Beyond these two projects, we do not expect to assume other major responsibilities in Latin America - at least for the next three years. We will

stress quality rather than quantity in such endeavors.

3. Continue, improve, and expand our professional connections with the Albuquerque Public Schools particularly and with other school systems in the state, in order: a) to provide more meaningful and effective laboratory experiences for undergraduate and graduate students; b) to provide in-service education opportunities for our College of Education faculty members, whose effectiveness in many respects depends upon their working knowledge of the elementary and secondary schools; and c) to help improve the quality of education in those schools.

4. Organize and use as effectively as possible the space now occupied by Data Processing equipment and staff. We have been assured by Vice-President Smith that this space will definitely be vacated by Data Processing during the 1966-67 academic year. And this is not too soon. For we need more space for 1) faculty offices; 2) headquarters for the Bureau of School Service and Research, including various services to schools; 3) the recently organized Department of Guidance and Special Education; and 4) headquarters for our Latin American projects (Ecuador, Colombia, etc.)

5. Finish and begin operation of the Olympic-type swimming pool, attached to the north side of Johnson Gymnasium.

6. Renovate and reorganize all spaces in Johnson Gymnasium for expanded and improved instruction in programs of Health, Physical Education and Recreation. (See departmental report for details.)

7. Continue and strengthen the cooperation between the College of Education and the other colleges on this campus interested in and partly responsible for the education of teachers and school administrators.

8. Continue to study and hopefully to improve the organization and administration of the College of Education, in order that we may make maximum use of the resources available.

C. Appointments to staff

(See departmental reports)

D. Separations from staff

(See departmental reports)

II. Composite of information on individual biographical supplements.

(See departmental reports)

THE REPORT OF THE DEPARTMENT OF ART EDUCATION

July 1, 1965 - June 30, 1966

Alexander Masley, Chairman

I. General Departmental Information

A. Significant achievements during the academic year, 1965-66.

One of the significant developments in the department was the outcome of an experiment conducted on a departmental basis to determine the advantages and disadvantages of abnormally large class enrollments in art education activity classes. Final results compiled indicated that although it was possible for single instructors teaching such activity classes to handle effectively enrollments of almost sixty students in a single class meeting six hours per week for a semester, there were, however, certain disadvantages. One of these was the inability of an instructor to give the necessary amount of personal attention to individual, beginning students. As a result of the experiment a decision was made to attempt to limit class enrollment to a maximum of thirty five if possible.

Another item that should be mentioned is the practice of collecting material fees from students, pooling the funds in an agency account, and purchasing in large quantities materials for class use whenever possible at wholesale prices. This practice has proved to be both an economical and an effective way of providing students, even in abnormally large classes, with more than adequate high grade art materials of unusual variety. In addition, whenever possible, both students and staff are encouraged to bring to the department for class use discarded or otherwise scrap materials not otherwise available or only

available at considerable expense. One such material proved to be scrap plastic obtained from an Albuquerque sign shop, generously given for use in the department. Heretofore, such scrap plastic had to be purchased at considerable expense. Savings realized from such efforts and economics provide the department with additional and better supplies that might not be otherwise possible within a limited budget.

Another example of economic effort is the processing of tempera paint from ingredients purchased from pigment manufacturers in large quantities. In such instances not only are there economies realized but also students learn how to provide economically, material means for their eventual use when they assume professional responsibilities as teachers, frequently in communities where low art material budgets are common. It should also be mentioned that the "shop area" of the department has been further developed through the addition of new equipment and a better plan for organization. Such developments enable the department to better meet the needs of industrial education majors as well as students in our other classes.

Some changes in other parts of the art education building have taken place also. For instance, additional storage space has been built into the building by enclosing by partition two narrow corner indentations in the structural design of the building itself. These areas proved useless until they were enclosed and doors with locks installed. The strategic location of these "niches" proved to be ideal locations for strong supplies readily available for immediate close use. It is apparent to anyone inspecting the art education building

that the storage space built in is part of the original plan and the structure that has been and is most inadequate.

Another physical change effected has been the moving of two sinks from stations on the ground floor to positions on the mezzanine, where they now help to overcome a serious handicap of sink facility and storage. In addition, new cabinets have been installed to better provide for useful and economic advantages of the upstairs teaching area.

Another step forward has been the development of a cooperative plan between the College of Fine Arts library and the departments of art education. Practically all books commonly used by art education students formerly housed in the main library have now been transferred to the Fine Arts library. Here they are readily available for use by all art students, whether or not they are art education majors. The convenience of having most pertinent library material available in our place with easy access cannot be overemphasized.

In addition to the cooperative arrangement with books, the department of art education also has a convenient and so far practical arrangement with the Fine Arts library for the use of slides catalogued and housed in that library. Staff members of the art education department may and often go to the Fine Arts library to borrow slides for class use. We have encountered no problems, although the long range view of the art education department is to provide for its own particular art education slide collection.

B. Significant plans and recommendations for the future.

The art education building is gradually being used almost to capacity. Increased enrollment of over the past few years has not only caused the

administration to experiment with increased class size, but also to rearrange teaching areas to accommodate larger classes and more of them. For the time being, the art education building has been used evenings by students enrolled in special drawing, painting art appreciation, and flower arrangement classes set up by the Division of Extension. It seems reasonable to assume that before too long the building will be used exclusively by the art education department to accommodate enrollment in classes scheduled late afternoon and evenings.

The in-service needs of the teachers in the Albuquerque Public Schools call for more and more assistance from the art education department staff. To help meet this need Mr. Rutkowski offered a late afternoon workshop course dealing with crafts in the elementary schools. The enrollment was closed at sixty, although it might have gone to seventy-five or eighty. This experience points up the interest and the need for more such courses at times convenient to employed teachers, to be met as soon as staff and budget become available.

Lack of adequate staff and heavy teaching loads in the past have also affected the graduate program in the department. Revision of the program is long past due and if time permits such revision should take place sometime within the near future.

There is considerable need for even modest amount of field work enabling staff members to visit secondary and elementary schools in some of the larger communities in the state. Lack of staff and time has denied the department the kind of state-wide contact with school personnel so very necessary for the principal institution of higher learning in the state to maintain.

C. Appointment to staff.

Mr. Walter Rutkowski was appointed to the staff as Instructor. He earned his B.A. degree at the Rhode Island School of Design and completed his M.A. degree during the summer session 1965 at the University where he is working on his doctoral program.

There were no other appointments to the staff, although the department had the services of two graduate assistants: Miss Ruth Ann Dutton came from Berea College in Kentucky, and Mr. James Srubek came from Pennsylvania State University.

II. Composite of information requested on individual biographical supplements

1. Advanced study: Mr. Rutkowski at Pennsylvania State as noted above.
2. Sabbatical, etc.: There were no sabbatical leaves taken this year. Dr. Masley did, however teach a summer session at the University of Oregon, while Professor Ballinger of the same University assumed his role at the University of New Mexico.
3. New Scholastic honors, fellowships, etc.: no scholastic honors were received by members of the staff this year.
4. Publications: Dr. Masley published in the New Mexico Art Education Newsletter and contributed several book reviews to the New Mexico Education Association Educational Review and to the National Art Education Association Journal of Art Education. He also contributed a report for Urban America: The Education of Children and Adults in Aesthetic Awareness of the Environment of Man. A University of Wisconsin Publication.
5. Other research projects or creative work in progress: Dr. Masley continued work on Japanese Method of Print making as applied to class-

room use, and also in the research leading to the development of a new form of tempera paint for classroom use.

6. Activities in learned and professional societies: Mr. Rutkowski and Dr. Masley attended the Western Arts Convention in Houston, Texas. Dr. Masley was chairman of a panel discussing uses in art education of the newer teaching media. He also attended a Symposium sponsored by the Federal Government in Washington D.C. dealing with this same topic.

Dr. Masley was made an honorary life member of the New Mexico Art League.

7. Other professional activities: Mr. Rutkowski had an exhibition of paintings at the Jonson Gallery and also at the Jacalito Gallery in Albuquerque. Dr. Masley had an exhibition of drawings at the Unitarian Church Gallery. He also gave a public lecture on the campus of the University of Oregon dealing with recent developments in art education in some European countries.

Dr. Masley participated in committee visitation as a member of a North Central Association evaluating the art program at Del Norte High School. He also offered a special program to the Peace Corps and to the Head Start Programs.

Dr. Masley had a one-man exhibit at the Unitarian Church Gallery and taught an extension course at Estancia, New Mexico.

8. Non-teaching University activities: Mr. Rutkowski was a member of the Learning Materials Center Committee, Improvement of Instruction Committee, and Student Advisory Committee on Exhibitions at the Student Union.

Dr. Masley chaired Mrs. Lewis' Curriculum Study Committee, Advisory Committee "B", and Research Allocations Committee.

9. Dr. Masley was a committee member of the Unitarian Church. He was also advisor to Children's Art Classes and to the New Mexico Art Education Association.
10. Personal information: There is no new or additional personal information.

The Report of the Department of
Educational and Administrative
Services

July 1, 1965 - June 30, 1966

This has been the second year of the NIMH Training Program for School Administrators and for this reason has been quite significant in the further development of a stronger preparation program for school administrators. Some of the findings of the first year have already been validated to the extent that it seems feasible to integrate them into the regular program.

During 1965-66 the school plant planning program has expanded its operations and has moved forward in the matter of the approach to planning problems. Several staff members, representing every department of the College of Education, have been involved at various times.

Due to a change in the policy of the College during the current year with reference to research, activities of the department in drawing up new proposals have been sharply reduced. However, there have been a sufficient number of on-going projects to keep department staff members who are inclined in this direction quite busy in addition to their teaching assignments.

This year has marked a closer welding of the areas of foundations and administration within the department. This trend has probably been facilitated through the moving of guidance and counseling from the department and as a result of the further re-orientation of educational administration in a direction that further involves the behavioral sciences and educational research which are part of the educational foundations program.

I. General Departmental Information

A. Significant achievements and accomplishments during the academic year. The following are listed as being the most significant accomplishments during the year:

1. More effective team teaching and the use of resource persons, especially those from other departments and disciplines, have marked the program in educational administration this year. Much of this was made possible through the availability of funds from the National Institute of Mental Health, but at the same time, much of the success has been due to careful study and exploration of these possibilities through staff meetings. Many hours of staff time have been spent this year in program development.

2. New types of field experiences for public school administrators which seem to have great promise were developed during this academic year. The first plan provided opportunity for advanced students to study community organization and operation first-hand through their living in the community for an extended period of time. A second field experience plan provided that these advanced students work directly with a State Agency for a substantial part of the semester and that this experience be designed to provide something other than following the routine of the agency. The experience actually involved the study of human and organizational relationships in the particular governmental branch in which the intern was stationed. Both of these new types of experience, with some further refinement, seem to offer considerable promise for future training programs.

3. During the late summer and at the beginning of Semester I, seven different members of the department spent considerable time developing a

prospectus for a regional educational laboratory in the Southwest. While certain new ideas and plans were incorporated by this group, the actual framework for the proposal was an R & D Center proposal which had been developed by the department during 1964-65.

4. Two projects funded by the Office of Economic Opportunity, and sponsored by this department, have gained national recognition during the year. One project was of a research nature and dealt with the analysis of handicaps to community development. The second project was of the nature of demonstration training. Mr. L.E. Roberts has served as coordinator for these projects while the department chairman was the nominal director. The findings should provide improvement for training programs for the economically handicapped.

5. A most successful Task Force Seminar for the University Council of Educational Administration on the topic of research to improve in-service programs for school administrators was sponsored by the department. Sixteen universities belonging to the U.C.E.A. were represented in the sessions and according to Dr. Culbertson, Executive Director of U.C.E.A., this Task Force Seminar was the most successful one held to date. The seminars were started three years ago with the adoption of a five-year plan.

6. During the current year the department chairman served as consultant to a committee of the New Mexico Research and Study Council in developing a project proposal under Title III of the Elementary and Secondary Education Act. The proposal was developed and completed in advance of the deadline and was among the first twenty projects in the United States to be funded. Later local difficulties, however, in the

administration of the project tended to retard progress. Nevertheless, at the end of the academic year, these obstacles seem to have been surmounted and everything looks promising toward a successful operation during 1966-67.

7. During the year several staff members in educational administration participated in other University Council of Educational Administration sponsored seminars. Also a member of the UNM staff in Economics participated with Dr. Ryan in a study of strengthening the content relationship between public school finance and public finance.

8. Through some committee study and considerable individual effort on the part of Professors Doxtater and Berger, further refinement has been effected in the three teacher education core courses offered under the program of educational foundations. Plans provide for a continuing of this study during next school year.

9. During the year several members of the department participated in two important workshops sponsored by the New Mexico Research and Study Council. The May workshop was of particular value because it was concerned with the development of the Title III program. One of the valuable ways in which the Council contributes to department operation is through the involvement of various staff members. This has been of mutual benefit.

10. During this year a first step has been made by a member of this department, Peter A. Helfert, toward establishing a program in the uses of multi-media in education. In addition to positive steps toward the establishment of the program, Dr. Helfert has provided an orientation service for all persons in teacher education programs in the College.

11. During 1963-64, Chairman Petty and Professor Angel visited AID headquarters in Washington in connection with securing possible Latin-American contracts for the College and the department. It was mentioned that the country of Ecuador was in the process of securing a loan and perhaps would want to contract for educational services with the University of New Mexico. During the summer of 1965, Dr. Meyer, head of the education program for AID in Ecuador, spent four days on the campus and in the state. He visited extensively with Dr. Angel and the chairman spent some two days showing him the northern part of the state in which there is the heavy Spanish influence. These preliminary contacts by Petty and Angel paid off in that during the current year, the University of New Mexico has been able to consummate a sizeable three year contract for educational administration services in Ecuador. Dr. Angel of this department is designated as director of the program and the department chairman has been serving as a member of the advisory committee for the Ecuadorean program. Dr. John Aragon, Assistant Professor of the department, is now in Ecuador as head of the UNM mission.

13. A significant milepost in the preparation of graduate students has been the reorientation of the course, Educational Foundations 501, to include the use of computer programs in solving research problems in education. A two hour lecture section each week is followed by a laboratory period in which the students actually have experience in applying computer programs and working directly with the machines. Further thought has been given to a review of the entire program of research offerings in education with a possibility of more extensive use of more modern techniques in research.

14. During the year an advisory committee for educational administration was established with the school administrators of the state. Five School superintendents and a state superintendent of public instruction agreed to serve as members of this committee. The first meeting was held during October, at which time various possibilities were discussed and plans were made for further work by the committee. Due to a conflict in the schedules of three members of the committee, the January, 1966, meeting was cancelled, but the members were again involved in April at a University Council for Educational Administration seminar sponsored by the department. It is the opinion of staff members in educational administration that this committee has considerable potential.

15. During the year members of the department staff, at the request of officials from the Bureau of Indian Affairs, have drawn up a very ambitious research program for the study of Indian education. This proposal would provide for an extensive study of Indian education over a five year period and would cost close to one half million dollars. The BIA budget as it was finally approved did not permit funding of this proposal as it was drawn up, but the effort has resulted in further study of ways and means of getting at this needed research. It is likely that some part of this work may be started during the ensuing year.

16. During the year several members of the department were involved in working with legislative finance and study committees. Dr. Lynch, Dr. Caplan, Dr. Wiley and Dr. Petty both served as consultants for these committees at different times and also testified at open hearings of the committee. It was gratifying to note that these committee members are more and more looking to the University of New Mexico for assistance on

the technical aspects of education.

17. During the year a book written by Tom Wiley, entitled Public School Education in New Mexico was published under the auspices of the Division of Government Research of the University of New Mexico. The book was a printing of Dr. Wiley's dissertation with some slight editing. The dissertation was directed by Chairman Petty, who also acted as Chairman of his Committee on Studies.

18. During the year considerable work was done in the department, and with the specific leadership of Drs. Zepper and Vogel, toward the formulation of a master's degree program in educational foundations. It is likely that this program will be completed for presentation to the department and college faculty during 1966-67.

19. The Ed.S. program has been strengthened during the year and definite arrangements have been made with the office of Records and Admissions to make note on the transcript of individuals who have completed this program. Even though this is not a degree program it is a standard requirement for certain positions and has now been upgraded and systematized to the point where it has considerable stature with educators in the state.

20. One item which cannot be listed as an accomplishment but which should be listed for the record in order to aid with future planning was the demise of the Bureau of Educational Service and Research. It ceased to exist for lack of support or interest outside this Department. During its five years of operation not one activity from another Department was brought under its auspices, and with very few exceptions, the only outside staff help provided was that paid for - even though the pay was very nominal in most cases. There is a great need for the service and it must be provided through assigned staff with load credit for the duty.

B. Significant plans and recommendations for the future.

1. The merging of the NIMH Training Program for School Administrators with the regular program has already advanced beyond the planning stages. It is anticipated that with some work during the summer the validated findings from the program will have become part of the regular teaching program in educational administration. Of course this integration plan must provide for a continuing look at the program so that further validation can be sought where needed.

2. There has been some discussion of the establishment of in-service centers for school administrators throughout the state. We think the Department is ready and it should be done during the coming year. In some other states, universities have already moved in this direction with excellent results. It would be a device that would provide continuing contact between the teaching program in educational administration and action in the field.

3. During the past two years the department chairman has served unofficially as consultant to the New Mexico Association of School Administrators. This has been the culmination of a close working relationship with the administrators for a number of years. During 1966-67 it is suggested that this relationship should be made more formal and developed upon a broader basis, namely, an involvement of all the staff members in educational administration.

4. The Department of Educational and Administrative Services and the Department of Psychology have discussed programs of common interest and at present there is planning for a cooperative relationship related to developing a Ph.D. program in Educational Psychology. Preliminary discussion has indicated that such a program could be developed on an equal partnership

basis. Dr. Robert J. Berger has been the staff member most recently associated with this work.

5. It is anticipated that members of the department will work closely with the Title III Service and Research project during the coming year. It will be mutually advantageous for members of the department to be involved in working with the program of the Title III Center.

6. It should be anticipated that considerable work would be done during the coming year in the field of Indian education. At this particular stage it is quite important and would be to the mutual advantage of the Bureau of Indian Affairs and the College of Education to pursue some of this work together. This should follow the lines set forth in the research document which was prepared during the 1965-66 academic year.

C. Appointments to Staff during academic year

Robert J. Berger, Ph.D.
Arizona State University

Peter A. Helfert, Ph.D.
University of Texas

D. Separations from the Staff during year

Stanley R. Caplan was released at his request on October 15 to join the staff of Litton Industries as a psychologist.

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study.

No advanced study per se was done in the department since all the professional staff members now hold doctorates.

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

a. Professors Angel and Lynch spent one month in Colombia during the past summer conducting a workshop under assignment of the N.E.A.

Teach Corps.

b. Professor H. Ulibarri taught for six weeks at the University of Quito in Ecuador. He also worked for one week in a University of California workshop at Berkeley.

c. Professor Devoy Ryan spent one month in the country of Jordan doing preliminary work in a school building survey.

d. Chairman Petty conducted a one-week workshop in educational administration at the University of Houston.

e. Lecturer M. L. Ulibarri spent one week each at workshops at Texas Western University and at the University of California at Berkeley.

3. New scholastic honors, fellowships, etc.

During the year Professor Angel was voted the outstanding teacher by the UNM Honorary Society Selection Committee.

4. Publications by members of the Department:

Libo, L.M. and Griffith, C. R. "Developing Mental Health Programs in Areas Lacking Professional Facilities: The Community Consultant Approach in New Mexico," Community Mental Health, June, 1966.

Paul Petty, reviewed for The Clearing House, Andrew W. Halpin, Theory and Research in Administration.

M. L. Ulibarri, "Yankee, Please Stay!" New Mexico School Review, April, 1966

H. Ulibarri, "Social and Attitudinal Characteristics of Migrant and Ex-Migrant Workers," Sociology and Social Research, Vol. 50, No. 3, pp. 361-370.

Albert Vogel, "The Education of the Negro in Richard Wright's Black Bay," Journal of Negro Education, Spring, 1966.

"Insight, Henry Miller," Insights, John Dewey Society, Oct., 1965.

"The Centaur of John Updike," University-College Quarterly, Spring, 1966.

"J. D. Salinger as a Teacher of Zen," Journal of Thought, Jan., 1966.

Book Review, "Tom Wiley's Public School Education in New Mexico," New Mexico Historical Review, Jan., 1966.

Tom Wiley, Public Education in New Mexico, Division of Government Research, University of New Mexico, 1965. (158 pp.)

John Zepper, "N.K. Krupskaya on Complex Themes in Soviet Education," Comparative Education Review, 9:33-37, February, 1965. (Issue came out in July, 1965.)

5. Other research projects or creative work.

The following research activities have been carried on by members of the department during this year, or have had their inception with members from this department. Persons whose names are shown have either worked with the project or participated in its development.

- a. National Institute for Mental Health Administrator Training Program: Drs. Cooper, Lynch, Petty, Angel, Griffith.
- b. Title III, Educational Service Center: Petty, Ryan
- c. Title IV Regional Cooperative Educational Laboratory: Petty, Wiley, Berger, Cooper, Griffith, Vogel, Ulibarri.
- d. Paraguayan Teacher Training project; Angel, M.L. Ulibarri, Lynch.
- e. Peace Corps Educational TV: Angel.
- f. NDEA Institute - Audio-Visual Instruction: Helfert, Petty.
- g. USOE Teacher Education Project Proposal: Helfert.
- h. Air Force ROTC Research project: Lynch, Croft.
- i. School Plant Planning Service: Wilson, Petty, Ryan, Angel, Lynch.
- j. HELP, Council of Churches Project: H. Ulibarri, Petty.
- k. OEO Projects (2): Roberts, Petty, Lynch, Croft.
- l. Scaling Study for Human Relations Training: Nolan.

m. Educaçoran Education contract development and program:

Angel, Petty, Ulibarri, Aragon.

6. Activities in learned and professional societies.

Various members of the department participated in the following conferences or organizations during the year:

- Adult Education Association
- American Anthropological Assn.
- American Association of School Administrators
- American Association of School Business Officials
- American Educational Research Assn.
- American Sociological Assn.
- National Association of Public School Adult Education
- National Conference of Professors of Educational Administration
- National Council of School Contractors
- Navajo Education Conference
- Philosophy of Education Society
- Rocky Mountain Psychological Assn.
- University Council for Educational Administration
- U.S. Office of Education Culture of Schools Program
- Western Psychological Assn.

7. Other professional activities

Twelve professors in the department served in a consultant or advisory capacity one or more times each during the year. There were three radio or TV appearances. Six instances of serving as guest lecturers were reported. There were numerous instances of participation in workshops, although some of these were not reported in the biographical sketches. Seven reported participation with panel and discussion groups. There were seven reports of membership on committees functioning off-campus. In addition to the activities listed, several of the professors visited public schools within the state, one professor reporting fifteen school visitations.

8. Non-teaching University service.

Among the non-teaching services provided by the members of this department during the past year were the following:

- a. Executive Director, New Mexico Research and Study Council, Petty, Ryan;
- b. Director, Learning Materials Center, COE, Helfert.
- c. Director, NDEA Institute for Educational Audio-Visual Aids.
- d. Director, NIMH Administrator Training Program, Petty, Lynch.
- e. Director, School Plant Planning Program, Wilson.
- f. Director, Title III Project under Elementary and Secondary Education Act, Ryan, 1/2 year.
- g. Secretary, Education Doctorate Committee, Zepper.
- h. Faculty Advising of University College students: Ryan, Vogel, Zepper.
- i. Chairman, COE-Psychology Co-ordinating Committee, Petty.
- j. Membership on other UNM committees:
 - 1) Evaluation of College Objectives: Berger, Lynch.
 - 2) Cultural, Nolan.
 - 3) Latin American Education, Ulibarri.
 - 4) Publications, Vogel.
 - 5) Scholarship, Berger.
 - 6) Campus Safety & Civil Defence, Wilson.

9. Public service.

Public and civic service is rendered by all members of the Department.

Two were active in Rotary Club, one on Naval Reserve committee, one each on Board of Directors of an educators insurance company and an educators loan association.

10. Personal Information.

No changes in this category were reported for the year.

THE REPORT OF THE DEPARTMENT OF ELEMENTARY EDUCATION

July 1, 1965 - June 30, 1966

Harold D. Brummond, Chairman

I. General Departmental Information

A. Significant Achievements. During this period of time one of the most important achievements in the College of Education was the formation of a new Department of Guidance and Special Education. This action resulted in the transfer of one faculty member (Dr. Frederick Adams), two stimulation grants from the United States Office of Education, and four courses from the Department of Elementary Education to the new department.

The Department has continued to expend a great deal of time and effort in connection with training teachers for Head Start programs under grants from the O.E.O. During the second semester, a special 8-weeks training session was provided for teachers in year-round Head Start programs. During June, 1966, two additional so-called "crash" programs were provided for summer Head Start teachers. More than 280 persons were assigned/learn by Skigler (the contractor for O.E.O.) although we had agreed only to accept and prepare 200. Another small group of students (approximately 30) are expected June 27 to begin another 8-weeks program. Within the past month we have received negative word from O.E.O. on a request for support for another staff member to work primarily as a consultant to Head Start programs in the field and also U.N.M. was not chosen as one of the Research and Evaluation Centers to be funded immediately. We anticipate being asked to modify and resubmit our proposal for a research center on the basis of the rating given to our proposal.

Probably the outstanding achievement of the Department of Elementary Education during the year 1965-66 has been the development of a new undergraduate teacher education program. The program involves no basic changes in courses or hours of credit -- but

Page 2

dec completely reschedule the offerings in the Department. All junior students next year who are working full-time toward a degree will be involved in a block approach to teacher education in which language arts and social studies courses will be taught in concentrated manner (three hours a day) with immediate application of learning in a public school classroom to which each student will be assigned. The following year these same students will receive instruction in arithmetic and science in similar concentrated manner and apply the learning immediately in another classroom in another school and at another grade level. Although we have not yet completed all details, we do have support of the Albuquerque Public Schools in this new effort to make our teacher education program more effective. Probably we will have some difficulties getting the new program underway -- but we believe that when inaugurated it will be superior to that now provided.

Recruiting of new staff members has required considerable time and effort. We had hoped to fill three positions, but were not able to identify a person in mathematics education satisfactory to our needs -- so we shall handle work in that area, utilizing the difference in budgeted salary to provide additional advanced students with experience in our new program as supervisors of student teaching. The two new staff members who will join the staff in September are Frank James Gutsch who is finishing his doctoral work at the University of Wisconsin and F. Keith Auger who is completing his doctorate at the University of Illinois.

The program in which 30 normal school teachers from Paraguay were provided a year of instruction in elementary education in Spanish came to a successful conclusion. This program was under the direction of Dr. Frank Auger and is reported in more detail in another Departmental report -- but the work was in elementary education, basically, and our Department was involved primarily in planning and through selected

time for Dr. Miles Zints. A new program in Ecuador has been inaugurated this past semester, resulting in the addition of a new staff member assigned to the project in Quito, Ecuador (Dr. Harry J. Carlson). Dr. Zints will also spend a majority of his time on the Ecuador project for the next academic year.

B. Significant Plans and Recommendations. As indicated previously, much effort this next year will be spent attempting to incorporate effectively a new undergraduate teacher education program approximating in gross details the program utilized in our medical school -- one in which a great deal of observation and participation is closely tied to instruction. We have high hopes for this approach, and hope that staff loads will not be excessive (although we anticipate some problems). We believe that the approach we are attempting is a unique approach to the preparation of teachers, although Dr. Carlson has indicated that something similar has also been undertaken at the University of Oregon.

Our experiences with the administration by O.E.O. and its contracting agency Lear Siegler of Oklahoma City of the Head Start programs this year have been no different (for instance: (1) we received official notification from Sergeant Shriver on June 22, 1966, that we had been approved for a training program with support from June 1 and the program supposed to begin June 27, 1966; (2) 280 persons were assigned to our crash programs this summer when we agreed to staff and provide for 200; (3) materials and films which were to be supplied by O.E.O. for the crash programs never did arrive; (4) pre- and post-tests which were to be utilized in the programs arrived the day before the program was to be completed) that we are considering complete withdrawal from the program unless major changes are soon made in the manner of administration. Adequate planning, staffing, and administration at the local level is almost impossible when such last minute decision-making practices are standard. A year ago we were will-

Page 4

ing to forgive such inadequacies because the program was just being inaugurated. Now -- a year later -- things are worse. We do not wish to withdraw from efforts in this field because early childhood education is especially needed in this state which provides no local support for the education of children under six and where a high proportion of children come from homes in which English is not spoken.

The Department Chairman, Harold D. Drummond, has asked to be relieved of his administrative duties as of the close of the academic year 1966-67 so that he can devote more of his energies to teaching, research, and writing. Selection of a new chairman will be a major task of the Department in cooperation with the Dean this next year.

The Exchange Program with the University of Massachusetts is being expanded slightly -- from eight to ten students -- next year. Growing popularity of this program makes it possible to send a few more students without lowering the quality of those selected.

C. Appointments to Staff

Dr. Harry Carlson, Ed. D., joined the staff in March, 1966. He is a member of the on-the-spot team in Ecuador. Dr. Carlson is a native of New Mexico, did his undergraduate work at Western New Mexico University, but came to us from the University of Oregon. He speaks Spanish fluently.

Dr. Larry Gendle, Ed.D., The University of New Mexico, joined the staff in September, 1965. During the 1965-66 school year he was assigned to NEMP, a project of adult education under the sponsorship of the New Mexico Council of Churches. Dr. Gendle is a specialist in the education of Pueblo Indian children.

Dr. Catherine E. Laughlin joined the staff on a full-time basis in September, 1966. She is a specialist in early childhood education and had completed all work

for her doctorate at Rutgers University with the exception of her dissertation. She has accepted major responsibility for our Head Start program and for the development of both undergraduate and graduate programs with emphasis on Kindergarten-Primary teaching.

Dr. Kathryn Talley, Ph. D., the University of New Mexico, joined the staff in September, 1965, on a one-year appointment. She accepted responsibility for the year for the direction of our off-campus student teaching program.

D. Separations from Staff

Dr. Daniel C. Tredway resigned in July, 1965, to move to Western State College in Greeley, Colorado

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study:

Dr. Catherine E. Loughlin completed her doctoral dissertation at Rutgers University. The Ed. D. degree which was earned in November, 1965, was conferred in June, 1966. The dissertation topic was: "First Grade Adjustment and Achievement of Newly Kindergarten Entrants and Older Kindergarten Entrants."

Dr. L. Helen Walters completed a year's course in Spanish at the University of New Mexico (for credit).

2. Dr. Brumand had an extensive trip during the summer of 1965 to: Scandinavia, Eastern and Southern Europe, including the Soviet Union and four other "Iron-curtain" countries; Ethiopia; and North Africa.

Dr. Zantz participated in the Volunteer Teach Corps in Bogota and Medellin, Colombia, August 25 - October 6, 1965. He also visited Guatemala, Venezuela, Colombia, and Ecuador between March 20 and April 21, 1966, in connection with the Ecuadorian Teacher Education Project.

3. New Scholastic Review, etc.

No change

4. Publications

Leroy Condie

"Indian Self Government: A Poverty of Statesmanship," Western Review,
Western New Mexico University, Fall, 1965, 10 pp.

Article, "Canoncito Silvermintho," Albuquerque Tribune, July 1, 1965

Article, "Torreson Head Start Program," Albuquerque Tribune, July 30, 1965

Article, "Pre-School Program for Navajos," Albuquerque Journal, August 1,
1965

Harold D. Drummond

Journeys Through the United States and Canada, Allyn & Bacon, 1966,
382 pp. (with Ruth Stanley)

Workbook for Journeys Through the United States and Canada, 1966,
140 pp. (with Ruth Stanley)

Teachers' edition prepared for both above books

Miles V. Eitzen

Testimonies of Teachers of Undereducated Adults, a report of a two-week
workshop for University Professors and Directors of Programs in State
Departments of Education, June 7-18, 1965. Compiled and edited, Octo-
ber, 1965, 267 pp.

"The American Indian: A description of cultural and personal charac-
teristics as they reveal special needs," in An Adult Basic Education
Conference Guide, United States Office of Education, June, 1966.

"Problems of Classroom Adjustment of Ethnic Group Children in Public
Elementary Schools in the Southwest," in a book of readings, Magary,
James H. and Bauer, James (editors), Education and Guidance of Disad-
vantaged Children and Youth: A Resource Reader, Pitman Publishing
Company, 1966.

Geographical Reading, Wm. G. Brown, Dubuque, Iowa, 1966, 271 pp.

With Sarah Joseph, En Enseñanza de la Lectura en la Escuela Primaria,
Editorial Nueva, 1966, Colombia. Parte I: La Importancia de la Lec-
tura. En prensa.

5. Other Research Projects or Creative Work in Progress or Completed

Leroy Gaudin

Production of Adult Literacy Materials for Spanish-speaking citizens in connection with HELP project

6. Activities in Learned and Professional Societies

Leroy Gaudin Conference delegate to NAFSAE (National Association for Adult Education), New York

Paper: Association for Teachers of English as Second Language, New York

Hazel Drummond

President, WNY Chapter, AAUP

Official delegate to World Confederation of Organized Teaching Professions, Addis Ababa, Ethiopia, August 1-7, 1965, representing the Association for Supervision and Curriculum Development

Vice President, Assn. for Supervision and Curriculum Development until March 16, 1966

See Annual Supplement to Biographical Record for other items

Catherine Laughlin

Attended Study Conference of Assn. for Childhood Education, International, Chicago, April, 1966

L. Helen Walters

Attended workshop on "Teaching the Disadvantaged" sponsored by National Council for Teachers of English, Boston, November 22-24

Attended annual convention of National Council for Teachers of English, Boston, November 25-27, 1965

Elmer V. Stone

Paper: Annual International Reading Association conference, Dallas, Texas, May 4-8, 1966, "Cultural Aspects of Bilingualism"

7. Other Professional Activities

Leroy Gaudin - Speeches to Arizona Education Association, Tucson, and to Institute for Teachers of Spanish, Long Linda College, Riverside, California. Exhibits of original illustrations for Navajo Calendar, College of Education complex.

Harold Drummond - Helped develop guidelines for experienced teacher fellowship program, U.S.G.E., Washington, and participated later in evaluation of proposals. Attended meeting called by EDO regarding Head Start Research and Evaluation Centers, Washington. Continued as consultant to NASA, Educational Programs Branch. Appointed to Childers Editorial Advisory Board, Field Enterprises Educational Corporation, Chicago. Appointed to Editorial Advisory Panel for The Instructor magazine, F. A. Owen Publishing Company, Danville, New York. See Annual Supplement for other items.

Catherine E. Loughlin

Talk at N.E. Society for Study of Education, December, 1965, on the Head Start program in New Mexico. Speeches to: Albuquerque Kindergarten Association, AAUW study group, Congregational Kindergarten P.T.A., and to Aspen for Childhood Education International, North Eastern Conference Group on "Regional Problems and Project Head Start."

L. Helen Walters

Participant, with visiting committee of Albuquerque Public Schools, Knapp Project at Castle School, Austin, Texas, March 10-12, 1966. Elected first vice president, Delta Kappa Gamma Society, Sigma Chapter. Attended Delta Kappa Gamma meeting, Baton, April 1-3.

Willis V. Zantz

Consultant, WPA Institute, Texas Western College, July 26-30. Consultant, Orientation for New Teachers, BIA, Navajo area, Gallup, Arizona -- speech: "Research in Indian Education at WPA and Its Value for BIA Teachers." Workshop, Calaveras, California, "Cultural Aspects of Bilingualism," April 29-30. See Annual Supplement for other items.

3. Interpreting International Service

Lesley Gartin

Director, WPA Institute for Teachers of Disadvantaged Pueblo Indian Children beginning June 30, 1966

Harold Drummond

Director of Exchange Program with University of Massachusetts; member, Planning Committee for Latin American Seminar on Higher Education; member, Ad Hoc Committee of Policy Committee, WPA, on physical education requirements; Chairman, Department of Elementary Education; member, Board's Administrative Committee. See Annual Supplement for other items.

Catharine E

Catharine E. Loughlin

Junior advisor to Student Education Association; member, Committee for Improvement of Instruction, College of Education; Director, Montezito Kindergarten; Consultant, New Mexico Head Start Projects through OSO Technical Assistance Program

L. Helen Walters

Member, Retirement and Insurance Committee, UHM; member of Curriculum Committee, College of Education

9. Public Service

Leroy Condie

Director, Museum of Albuquerque Historical Society, Old Town

L. Helen Walters

Talk to Central Methodist Women's Group on children's books

10. Personal Information

No change

The Report of the Department of Guidance & Special Education

July 1, 1965 - June 30, 1966

George L. Keppers, Chairman

I. General Departmental Information

A. Significant achievements during the academic year, 1965-1966:

The Department of Guidance and Special Education was established effective Semester II 1965-66. Dr. George L. Keppers was designated as the chairman.

B. Significant plans and recommendations for the near future:

Two Federally financed program development grants for 1965-66 in the area of teaching the Emotionally Disturbed and the Mentally Retarded have been renewed for 1966-67. A major in Special Education at the Master's level has been approved by the College of Education faculty and it is anticipated that this will be approved by the University and put into operation effective September 1, 1966. New courses have also been approved in this area.

C. Appointments to the Staff:

Dr. Frederick K. Adams - September 1, 1965

Dr. Edward James Kelly - April 13, 1966

Dr. Charles Bernardoni - September 1, 1966

Dr. Gordon Zick - September 1, 1966

(Dr. Bernardoni and Dr. Zick were on campus for the summer of 1966.)

Mr. Louis Bransford - September 1, 1966

D. Separations from Staff:

Dr. James Cooper (to be assigned to the Dept. of Educ. & Adm. Services) - July, 1966.

II. Composite of information requested on individual biographical supplements:

1. Advanced study: None.

2. Sabbaticals, etc.:

Dr. James Cooper traveled in Europe - June-August, 1965.

3. New scholastic honors, etc.:

Dr. George L. Keppers was elected to Phi Kappa Phi and National Employment Counselor Association.

Dr. James Cooper was elected a member of the Ethics Committee New Mexico Psych. Association.

Dr. Frederick K. Adams was elected Historian of Phi Delta Kappa (U.N.M. branch).

4. Publications:

Dr. Keppers: "National Certification of Counselors", Counselor Education & Supervision, pp. 202-207, April, 1965.

Dr. Cooper: "Computers and a College of Education", Vol. 4, No. 7/8 (July-Aug., 1965), pp 4-6; "Group Process Applied to Adult Education (with Dan Ficek), Mimeo., Jan. 1966, 8 pp.

Dr. Adams: "A Comparison of Adolescent Attitudes Toward Normal & Retarded Brothers", paper presented at 44th Annual International C.E.C. Papers will be published in Monograph.

5. Other Research Projects or Creative Work in progress:

Dr. Keppers: State Dept. of Educ. (NDEA Funds) \$10,000, Elementary School Guidance Pilot Project, 1965-66 (Director).

Dr. Cooper; Effects of barometric pressure upon pupil behavior, \$200.00, UNM Research Committee, in progress; Teacher personality, teacher behavior and their effects upon pupil achievement. US Office of Educ. oe-6-10-271, \$8288, in progress.

Dr. Adams: Established demonstration class for Mentally Retarded children in Manzanita Center, UNM, organized parent counseling group, co-initiator of Program Development in Spec.Ed., Workshop in Emotional Disturbance, and Workshop in Mental Retardation.

6. Activities in learned and professional societies:

Dr. Keppers: Program Chairman - Rocky Mountain Counselor Educators, Fall Meeting; Attended American Personnel & Guidance Assoc., National Meeting; Attended National Planning Meeting - Council for Exceptional Children.

Dr. Cooper: International Congress du Rorschach, 7/22-4, Paris, France; Sociometric Analysis of Large Groups (N=1500) paper to Nat'l. Council for Measurement in Education, Chicago, 2/12/66.

Dr. Adams: Vice President - AARC, Board Member - NMARC, Director at Large for N.M.C.E.C., Board Member Albuq. Speech & Hearing, Represent College of Ed. on Community Council, Southwestern C.E.C. Advisory Committee, on National Committee of C.E.C.

7. Other professional activities:

Dr. Keppers: Vocational Consultant-Health, Educ. & Welfare,

State Advisory Board for Guidance, Consultant for School Plants & Planning; Chairman of Board - Special Education Center (Albuquerque); Consultant, Elementary School Pilot Project; Consultant, Elks Cerebral Palsy Program; Lectures- Albuq. Public School's PTA, Teachers of Adults; North Central Evaluations - Carlsbad and Tularosa.

Dr. Cooper: Prepared a paper on invitation of Nat'l. Educ. Assoc. Teacher Education Professional Standards Committee, titled, "A Clinical Approach for Teacher Education." Dec., 1965.

Dr. Adams: Guest Speaker - NMEA, Exceptional Child Division (Farmington); Guest Speaker - NEA-BIA (Shiprock); Guest Speaker - NMARC (Roswell); Guest Speaker - New Mexico Task Force to Combat Mental Retardation (Albuquerque); Guest Speaker - "Music Therapy" Workshop, UNM; Consultant to Albuquerque Day Care Center; Spoke to several Spec. Ed. Groups.

3. Non-teaching University service:

Dr. Keppers: Chairman, Dept. of Guidance & Special Education; Director, Manzanita Center; Chairman, Manzanita Center Committee; Administrative Committee.

Dr. Cooper: University Graduate Comm.; Radio Board; Selection Committee for Director of UNM Computer Center; Chairman, Educ. Doctorate Comm.

Dr. Adams: Faculty Advisor to C.E.C. and Community recreation for Retarded; Curriculum Committee "A"; Manzanita Center; Improvement of Instruction.

9. Public Service:

Dr. Keppers: Ushering at Central Methodist Church; Board of Stewards for Central Methodist Church.

Dr. Cooper: Vice President of New Mexico State Apprenticeship Council.

Dr. Adams: Board Member, Heights Y.M.C.A.

10. Personal Information:

No changes.

ANNUAL REPORT OF THE DEPARTMENT OF HEALTH, PHYSICAL EDUCATION
AND RECREATION

July 1, 1965 to June 30, 1966

Armond H. Seidler, Chairman

I. General Departmental Information

A. Significant achievements during the academic year,
1965-66:

1. Plans were carried toward completion for the new swimming pool complex to be located north of Johnson Gymnasium.
2. The Summer Sports Fitness School was expanded to serve both boys and girls and enrollment for the 1966 Summer Session is more than double that of the previous year.
3. The Department, in cooperation with the Lovelace Foundation, hosted an International Symposium on the Effects of Altitude on Human Performance on the UNM campus in March, 1966. Seventeen countries were represented and the Symposium reflected considerable credit upon the University.
4. The special exercise gym and the combative room in Johnson Gymnasium were acoustically treated and, as a result, are much improved teaching facilities.
5. The University Administration, in cooperation with the Athletic Department and the Department of

Health, Physical Education and Recreation, has developed eleven new athletic fields on the south campus which will enable Intramurals to greatly expand field activity opportunities for students.

6. The Department sponsored a successful Four-State Lifetime Sports Foundation Workshop. 130 representatives from Arizona, Colorado, Utah, and New Mexico participated in the workshop, which took place in April, 1966.

7. The Department maintained its role of leadership in conducting programs in the training of Peace Corps volunteers by training a Physical Education specialist group for Colombia in the spring of 1966, and planning the training of an additional Physical Education specialist group in the summer of 1966.

B. Significant plans and recommendations:

1. The new swimming pool complex should be contracted during the 1966-67 academic year and will make an excellent addition to the instructional and recreational facilities for students on this campus.
2. Additional classroom furniture has been ordered for Rooms 139 and 128 in Johnson Gymnasium, which will

give the Department much more effective and flexible use of these and other teaching stations in the building.

3. With the plan for varsity basketball to move to the new basketball arena on the south campus, a study has begun to determine the feasibility of adding additional functional floor space in the main arena of Johnson Gymnasium, which will no longer serve as a spectator viewing area. It is hoped that as much as 40,000 additional square feet will be developed for activities, instruction, Intramurals, and faculty recreation purposes for students and faculty.
4. When construction begins on the new swimming pool, the University will lose the use of eight tennis courts. It is recommended that four additional courts be built in the near future immediately north of the present eight new courts, and that a minimum of ten additional tennis courts be constructed on the south campus. Five of these courts should be designated for varsity tennis use and the other five for recreational and intramural use. Building tennis courts on the south campus for varsity use will help in the movement of the

Athletic Department to the south campus and will also allow more use of the main campus tennis courts for classes.

5. Handball courts in Johnson Gymnasium are heavily used and it is strongly recommended that study be given to the construction of many more of these facilities. A minimum of four additional handball courts are essential in Johnson Gymnasium so that the Department can teach classes in handball and squash, which it is now unable to do. Ideally, the University with the anticipated enrollment expected in 1966, should have at least twenty handball courts.
6. Plans are being made to construct an athletic administration building adjacent to the new basketball arena on the south campus. The Department of Health, Physical Education and Recreation considers a development of these plans as essential because of its need for the office and locker room space now occupied by the Department of Athletics.

C. Appointments to staff:

Betty Benison, Instructor, September 1, 1966.
Fred J. Hinger, Asst. Professor, September 1, 1966.
Russell D. Mitchell, Instructor, September 1, 1966.

Margot Purdy, Assistant Professor, September 1, 1966.

D. Separations from staff:

George B. Gilmore, Instructor, June 30, 1966.

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced study

Robert K. Barney - 12 additional hours of Ph.D. course work. Successful completion to doctorate Spanish language examination.

Edwin G. Belzer, Jr. - Ph.D. conferred, October, 1965.

William A. Bynum, Jr. - Completed Ph.D. Thesis - "Work Capacity of Altitude Acclimatized Men at Altitude and Sea Level."

Bruno Geba - Ph.D. University of Colorado, graduating August 27, 1966. Thesis: "The Effect of Sauna Upon Certain Physiological Functions."

George B. Gilmore - 18 hours toward doctorate.

Edward H. Heath - Ph. D. in August, 1965 from University of Illinois. Thesis: "A Semantic Differential Study of Attitudes Relating to Recreation as Applied to a Bicultural Setting."

Janice K. Olson - P.E. 523, Analysis of Physical Education Activities, 3 hours.

Frank E. Papcsy - Seminar in Physical Therapy, Dandryd Hospital, Stockholm, Sweden. Continuing work on Ph.D. dissertation, New York University. Probable date of degree, October 1966 or January, 1967.

Charlotte L. Piper - Masters Degree in Recreation completed summer, 1965.

2. Sabbaticals, leaves of absence, summer teaching

elsewhere, travel, etc., during the period

Lloyd R. Burley - Toured U.S.A., Canada and Alaska in summer of 1965. Toured Mexico Christmas vacation of 1965. Toured Big Bend Country during Easter vacation of 1966.

William A. Bynum, Jr. - Visited Northwestern U.S. during the year.

Bruno Geba - One year leave of absence for the 1966-67 school year. Associate Professor at the University of the Seven Seas.

Janice K. Olson - Summer School, 1966, UNM campus.

Frank E. Papcsy - Travel to France, Finland, Sweden and Switzerland.

George Petrol - Sabbatical leave Semester II, 1965-66 to conduct baseball clinics in South Africa and Rhodesia.

Ella May Small - Summer 1965 visiting Professor, University of Iowa, Iowa City.

3. New scholastic honors, fellowships, etc.

Mercedes Gugisberg - State-wide annual scholarship for a high school senior girl who will attend a New Mexico college, developed through donations of women teachers of P.E. was given my name by said group, for the work in upgrading girls P.E. in the state.

4. Publications

William A. Bynum, Jr.- "Work Capacity of Altitude Acclimatized Men at Altitude and Sea Level" Abstracts of Research Papers, American Association for Health, Physical Education and Recreation, Washington, D. C., 1966.

Janice K. Olson - "A Device for Evaluating Spot Bowling Ability, Research Quarterly, In Press, Marie R. Liba and Janice K. Olson.

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

Edwin G. Belzer, Jr. - Research project, "The Quickness of Selected Right-Foot and Left-Foot Braking Methods," completed. Sponsored by \$1,000 grant from National Safety Council, 1965. Conducted at University of Illinois.

Lloyd R. Burley - The Curriculum on Secondary Education.

William A. Bynum, Jr. - Continued work in the development of Health, Physical Education and Recreation Laboratory.

Woodrow W. Clements - Attendance at the International Symposium on the Effects of Altitude on Physical Performance and the demonstration of Circuit System of Teaching Physical Education given at the National Meeting of the AAHPER in Chicago.

Mercedes Gugisberg - Working on a proposal for research project concerned with cultural differences in a certain aspect of Health, Physical Education and Recreation.

Frances McGill - Research papers read at American College of Sports Medicine, Western Society for Physical Education of College Women, and American Association for Health, Physical Education and Recreation. In progress- study of heart rates during activity. Participated in International Symposium on the Effects of Altitude on Performance.

Ella May Small - Individual project University of New Mexico and student health services. Health information of students entering the student information about and use of subjects - students registered for H.Ed. 171.

6. Activities in learned and professional societies

Sharel Anderson - New Mexico delegate to the National Institute on Girl's Sports, Salt Lake

city, Utah. Southwest District AAHPER, Tucson.

Robert Knight Barney - Attended National meeting of College Swimming Coaches of America, Colorado Springs, Colorado, March, 1966.

Edwin G. Belzer, Jr. - Paper, "Left-Foot vs Right-Foot Braking," presented at National Safety Congress and Exposition, Chicago, October, 1965.

Lloyd R. Burley - Southwest District AAHPER, NMEA, NMAHPER. Chairman Budget Committee NMAHPER. Also member Executive Committee, Constitution and Advisory Committees SWAAHPER.

William A. Bynum, Jr. - Attended American College of Sports Medicine National Meeting, National Wrestling Coaches Meeting; National AAHPER, Southwest District meeting of AAHPER. Presented papers at the International Symposium on The Effects of Altitude on Physical Performances and at the National meeting of the AAHPER and Southwest District AAHPER.

Woodrow W. Clements - Membership in New Mexico Education Association, American Association of Health and Physical Education, NMAHPER.

Bruno Geba - High Altitude Symposium, Albuquerque. Southwest District Conference AAHPER, Tucson. International Physical Education Conference, Oslo, Norway.

George B. Gilmore - National Gymnastic Coaches Association; National Gymnastic Clinic; AAHPER Convention; National Gymnastic Congress.

Mercedes Gugisberg - Winter Conference for Women in Physical Education, Ruidoso, New Mexico.

Edward H. Heath - Vice President for Recreation, NMAHPER; New Mexico representative to the National Park and Recreation Association; Chairman of Recreation Education Committee, National Park and Recreation Association.

Frances McGill - Vice President of American

Association of HPER; Chairman, Division Girls and Womens Sports; on Committees of National Sports Medicine Committee of AAU; Planning Committee of International Symposium; Board of Directors AAHPER; Executive Council of DGWS; talks given at NMAHPER, Winter Conference for Women Physical Educators, National Convention AAHPER, Northwest District AAHPER Convention, Southwest District AAHPER, Regional Convention Athletic and Recreation Federation of College Women.

Meetings attended: Intermountain Conference for College Womens Physical Education, Study Conference on Competition, Washington, D.C., 3rd National Institute on Girls and Womens Sports.

Gladys Milliken - New Mexico Association for HPER; Intermountain Conference for College Women in Taos, New Mexico; Winter Conference in Ruidoso, New Mexico as Treasurer.

John A. Montgomery - Conducted two one-day sessions Southwestern Recreation Leaders Laboratory; President, New Mexico Park and Recreation Society. Attended Southwest AAHPER Panelist.

Janice K. Olson - Attended: New Mexico Mid-Winter Conference, Ruidoso, New Mexico; AAHPER National Convention, Chicago; American College of Sports Medicine, Madison, Wisconsin; recently appointed Recorder to Executive Board of National DGWS.

Frank E. Papcsy - Continuing activity in design of Physical Therapy Curriculum proposal for University of New Mexico.

Charlotte L. Piper - Chairman Intermountain Conference, Taos, New Mexico; General Chairman Winter Conference for New Mexico Women Physical Educators; Southwest District AAHPER, Tucson; Southwest District of Park and Recreation Assn., Albuquerque; Delegate to Lifetime Sports Clinic; New Mexico Swimming officiating Chairman; National DGWS Executive Committee.

Armond H. Seidler - Attended National Convention AAHPER, Chicago; made speech to Professor Preparation Section; attended Southwest District

Convention AAHPER, Tucson, Arizona. Member Board of Directors.

Ella May Small - Invited delegate to White House Conference on Health. Vice President Southwest District AAHPER. Chairman Health Division. Vice President for Health Education, New Mexico AHPER, three year term.

Meetings attended: Southwest District AAHPER, Salt Lake City, Utah, April, 1965. AAHPER National Convention, Dallas, Texas, March, 1965. Board meeting, Southwest District AAHPER, Las Vegas, Nevada, October, 1965. White House Conference on Health, Washington, D. C., November, 1965. Winter Conference for New Mexico Women in Physical Education, January, 1966, (Member Planning Committee). NMEA and New Mexico AHPER, October, 1965 (Vice President Health Education for 3 years).

7. Other professional activities

Robert Knight Barney - Two T.V. appearances in relation to publication of University's Varsity Swimming Team. One radio appearance on same issue.

William A. Bynum, Jr. - Made several appearances on T.V. and radio.

Bruno Geba - Faculty advisor for UNM Ski Club. Member of Graduate Committee.

George B. Gilmore - "Lobo Lair" and exhibitions in Albuquerque Public Schools.

Edward H. Heath - Recreation consultant to: United States Forest Service, Bureau of Land Management, Bureau of Indian Affairs, City of Albuquerque, Albuquerque Public Schools, Office of Economic Opportunity.

Frances McGill - Consultant Girls Division of New Mexico Activities Association.
Official State AAU Track Meet
Evaluating Committee St. Vincents Academy.

John A. Montgomery - Consultant Albuquerque Public Schools Outdoor Education Project.

Frank E. Papcsy - Consultant to Special Education Association.

Armond H. Seidler - Member Planning Committee International Symposium on the Effects of Altitude on Physical Performance, March, 1966, Albuquerque, New Mexico.

Director Four-State Regional Lifetime Sports Foundation Workshop, Albuquerque, New Mexico, April, 1966.

Architectural Consultant to College of Santa Fe. Worked on plans for School buildings in Socorro, Grants, and Gallup.

8. Non-teaching University service

Sharel Anderson - P.E. Department Curriculum Committee, University College faculty advisor. Faculty advisor P.E. Major Club and Director of UNM Folk Dance Club.

Robert Knight Barney - University College advisor.

Edwin G. Belzer, Jr. - University College advisor. Chairman of Health Education Curriculum Committee. Member of Department HPER Curriculum Committee, College of Education Curriculum Committee A, and Ad Hoc Improvement of Instruction Committee.

Lloyd R. Burley - UNM Curricula Committee Chairman; Academic Freedom and Tenure Committee; Department HPER Curriculum Committee; Chairman Library Acquisitions; Chairman Graduate Committee; Education Doctorate Committee College Education.

William A. Bynum, Jr. - University advisor, Member of Physical Education Curriculum Committee and Department of HPER Curriculum Committee.

Woodrow W. Clements - Chairman Campus Safety Committee, New Mexico Education Association UNM Chapter, College of Education Scholarship Committee, Departmental Committee on Health. Assistant Chairman of Department. Forty or more advisees each semester.

George B. Gilmore - Chairman Physical Education

Curriculum Committee, Member HPER Curriculum Committee.

Mercedes Gugisberg - Advisor for transfer students and elementary education majors who minor in this Department.

Edward H. Heath - Chairman, Recreation Curriculum Committee. Chairman Department of HPER Curriculum Committee. Chairman Committee on evaluation of College of Education programs.

Frances McGill - Administrative Committee College of Education; Junior Class advisor; sponsor Womens Golf Team.

Gladys Milliken - University College and Sophomore Major advisor; member Learning Materials Center Committee; member of Membership and Personnel Committee of Western Society for Physical Education of College Women; assisted in women's swim meets and sports days.

John A. Montgomery - Faculty advisor, member Department Recreation Curriculum Committee.

Janice K. Olson - Advisor to UNM Women's Recreation Association.

Frank E. Papcsy - Departmental Graduate Committee.

Charlotte L. Piper - Special advisor, Department Freshmen advisor, Extramural Director, Coach Women's Swim Team, Recreation Curriculum Committee, University College Scholarship Committee; HPER Master's; Orals Committee; Women's Sports Council.

Armond H. Seidler - Faculty advisor graduate students, Thesis, Dissertations. College of Education Administrative and Policy Committee.

Ella May Small - Health Education Committee, Advisor Senior women in HPER. Advisor graduate women HPER. Administrative Committee, HPER as Assistant Chairman.

9. Public service

Sharel Anderson - ABQ State Dance Director for the LDS Church.

Age group teacher/leader for ABQ 4th Ward NIA, LDS Church.

Lloyd R. Burley - Camp Committee YMCA, First Aid Instructor American Red Cross. First Aid Merit Badge Counselor BSA.

Woodrow W. Clements - Member Trinity Methodist Church.

George B. Gilmore - City Gymnastic Club Director.

Frances McGill - Sunday School Teacher; Leader Church Study Group; Director Church Day Camp; Bernalillo City Red Cross Water Safety Instructor-Trainer.

John A. Montgomery - Member Albuquerque Kiwanis Club.

Charlotte L. Piper - Montgomery Community Association. Sorority Alliance. Baker U. Alumni Chapter in Albuquerque. Montgomery PTA.

The Report of the Department of Home Economics

July 1, 1965 - June 30, 1966

Grace L. Elser, Chairman

I. General Departmental Information

A. Significant achievements during the academic year, 1965-1966.

The number of majors and minors in Home Economics continued to increase as well as the number who enrolled in home economics courses as electives. This was especially true with upper division students in the College of Education as shown by the increase of those doing student teaching. There were 20 student teachers, 18 seniors and two for certification only, who taught units in home economics, some in the fall semester and more during the spring. There were 15 home economics teachers in Albuquerque in seven junior and three senior high schools who cooperated with this program.

The Curriculum Committee of the University studied the various programs of the College of Education during the academic year, 1965-1966. The report of the Department of Home Economics prepared for the committee is attached.

In the past, majors in home economics received the degree, Bachelor of Science in Education, with a major in home economics. In June 1966, for the first time the graduates of the Department who were enrolled in the College of Education received the degree, Bachelor of Science in Home Economics Education.

The degree, Master of Arts in Teaching Home Economics, is now being offered, effective September 1965. The following shows the requirements including the two areas from which courses may be selected for the degree:

Applicants for this master's degree must comply with the general requirements for a Plan II master's degree described by the Graduate School after having been recommended by the Department of Home Economics.

In addition to general requirements for admission to Graduate School, candidates for the M.A.T. degree in Home Economics Education must have completed at least 18 semester hours of professional education and be eligible for a teacher's certificate. Candidates must have a Bachelor of Science or a Bachelor of Arts degree with a general major in home economics, a major in a special area of home economics, or a major in home economics education. Candidates will be required to make up deficiencies in prerequisite work.

Course work for this degree will be divided into two areas. Proper distribution of courses in these areas should increase the student's mastery in the professional aspects of teaching home economics, strengthen his knowledge of the subjects being taught, and also broaden his background in general education. Not more than 4 hours of problems are allowed. Minima and ranges of requirements in the two areas are indicated.

Area I - Home Economics and Cognates. 22-26 semester hours

Courses in this area are designed to increase the student's mastery in the subjects he teaches. The courses taken must be approved by the adviser. The divisions in Home Economics are: (1) child development and family relations, (2) food and nutrition, (3) clothing and textiles, and (4) home management. Some work from each of these divisions should be included in every program.

The following are courses in Home Economics subject matter:

- | | |
|---|--|
| 408L. Child Growth and Development (3) | 456L. Creative Design in Clothing (3) |
| 409L. Organization and Management of Nursery Schools (3) | 520. Family Living in Modern Society (3) |
| 429. Workshop (1-4) Carries graduate credit when specifically approved by the Graduate Committee. | 535. Seminar in Nutrition (3) |
| 431L. Experimental Foods (3) | 549. Managing Family Resources (3) |
| 433L. Advanced Nutrition (3) | 551-552 Problems (1-3) |
| | 555. Seminar in Textiles (3) |

In addition, at least six semester hours of course work chosen from the cognate fields listed below will be required:

Psychology	Business Administration
Sociology	Science
Economics	Art

Area II - Professional Education. 8-12 semester hours

Courses in this area should deepen the student's mastery of the professional aspects of teaching. Home Economics Education 570 will be required of all students. Courses must be approved by the adviser.

Home Economics Education

- | | |
|--|---------------------------------|
| 437. Teaching Home Economics (3) | 480. Curriculum Development for |
| 475. Evaluation in Home Economics (3) | Gainful Employment (3) |
| 570. Seminar in Home Economics Education | |

Other courses when approved by the adviser may be taken from Art Education, Educational Foundations, Secondary Education, and/or Guidance and Special Education.

Summer School Offerings

During the ten weeks of intersession and summer session, 11 hours of home economics courses carrying graduate credit will be offered.

Two graduate courses in home economics will be offered in summer school for the first time, and will be taught by two visiting professors. They are H. E. 520, Family in Modern Society, 3 hours, taught by Dr. Mildred Morgan, formerly of Florida State University and H.E. 549, Managing Family Resources, 3 hours, taught by Dr. Jean Warren, formerly of Cornell University.

The course, H.E. 409L, Administration and Supervision of Nursery Schools, 3 hours, conducted by Dr. Florence Schroeder will be offered in summer school for the first time in many years. This will carry both undergraduate and graduate credit.

A fourth offering, a workshop, H.E. 429, Working with Disadvantaged Families, will be conducted by Mrs. Grace L. Elser during the two weeks intersession. This will carry two hours credit and graduate credit for those eligible.

A. Some significant accomplishments of the last five years.

1. Planning and equipping a new home economics laboratory building. It was first occupied in March, 1963.
2. The number of upper division majors in Home Economics Education almost tripled from 1961 to 1966.
3. A fifth full-time staff member was added in 1965-1966. A half-time nursery school teacher was added in September, 1965, and it will be a full-time position in September, 1966.
4. The degree awarded to majors in Home Economics Education is now Bachelor of Science in Home Economics Education. It became effective in June, 1966.
5. A program for a Master of Arts in Teaching Home Economics degree became effective September, 1965.

B. Significant plans and recommendations for the near future.

The course, H.Ec. Ed. 475, Evaluation in Home Economics, has been scheduled late afternoons in the fall semester. This will also carry graduate credit. It is planned to offer in the spring at least one home economics or home economics education course carrying graduate credit. It should be scheduled after school or on Saturdays.

Though the present laboratory building has only been occupied since March, 1963, the clothing laboratory is now inadequate in floor area. It is recommended that the partial walls for the storage and dressing room area be removed. A door should then be cut in the west wall so as to utilize part of the locker space room as a dressing room and storage area for clothing classes. This will necessitate a wall in the locker room to divide the space for clothing classes and for use by other students. The instructor also believes another door into the hall from the clothing laboratory is necessary.

C. Appointment to staff

Dr. Ednell Snell who received her Ed. D. degree in February, 1966, from Columbia University has been employed as Chairman effective September 1, 1966. Her bachelor's and master's degrees are from Washington State University, Pullman. Her experience includes teaching home economics in junior and senior high schools. She has also taught at Washington State College, Bellingham, and been head of Home Economics Teacher Education at Washington State University. She has supervised student teachers, advised undergraduate and graduate majors in home economics education, and taught college home economics subject matter courses. She has been a member of the staff of Home and Family Life Education State Board for Vocational Education, Olympia, Washington.

Dr. Snell replaces Mrs. Grace L. Elser whose retirement is effective September 1. Mrs. Elser has been a member of the Department since 1949 and has been Chairman since 1952.

In 1965-1966, a fifth full-time faculty member, Mrs. Mary Katherine Huff, has been employed. She has taught foods classes, the home management course, and supervised the home management house.

A half-time nursery school teacher, Mrs. Mary Lehmer, was employed beginning September 1965. She handled an afternoon session so as to give opportunity for more University students to observe and participate with this age-child. She will be employed as a full-time nursery school teacher in 1966-1967.

The Department was granted a graduate assistant, Mrs. Carolyn Topping, for the first time in 1965-1966. About five-sixths of her time was allocated to working with Dr. Florence Schroeder in the morning session of nursery school. About one-sixth of her time was given to the department chairman.

The graduate assistant for 1966-1967 is to be Mrs. Darline Wilson of Albuquerque who received her undergraduate degree in June, 1966, from the University of New Mexico. She probably will work with the department chairman.

II. Composite Information Requested on Individual Biographical Supplements.

1. Advanced Study: None
2. Sabbaticals, summer teaching, travel, etc.:

Grace L. Elser made trips to Phoenix, Arizona, Houston, Texas, and San Francisco, California.

Mary Katherine Huff made trips to Colorado, Texas, and New Mexico.

Imogene McMurray made a tour of western Europe, July 17 - August 24.

3. New Scholastic honors, fellowships, etc.:

Mary Katherine Huff: Kappa Omicron Phi, Home Economics Honorary.

4. Publications: None

5. Other research projects, etc.: None
6. Activities in learned and professional societies:

Grace L. Elser: Sponsor of Pi Lambda Theta, honorary for women in education. Attended fall meetings of NMHEA and workshop on "Working with Low-Income Families." at U.N.M. Member of planning committee of nutrition Symposium to be held at the University of New Mexico, June 25, 1966.

Ruth B. Harris: Chairman College Teachers of Food and Nutrition-held at UNM Feb. 25, 26, 1966 Pres.-elect New Mexico Dietetic Assoc. --attended spring and fall meetings. Nutrition Section Chairman-N.M. Home Economics Assoc. --attended spring and fall Planning Comm. for Nutrition Symposium to be held at UNM 6/25/66 meetings.

Mary Katherine Huff: Attended New Mexico Home Economics Association meetings in spring and fall. Attended Pacific Region South Conference of College Teachers of Foods and Nutrition.

Imogean McMurray: NMHEA annual fall meeting, Albuquerque, October. NMHEA annual spring meeting, Las Vegas, April 22-23. College Chapters Advisors workshop, East Lansing, Michigan, November.

Florence Schroeder: Tech. advisor, Jour. Home Econ.:

7. Other professional activities:

Grace L. Elser: Participated in meeting of College Teachers of Foods and Nutrition, Pacific Region, South, held at U.N.M. Participated in state meeting of teacher educators and heads of home economics departments held at New Mexico State. Participated in conference on Family and Society held at Merrill-Palmer Institute, Detroit.

Ruth B. Harris: Instructor Peace Corps trainees. Talk given to Pharmacists Wives group. Instructor-Weight control classes-Albuq. District Dietetic Assoc.

Imogean McMurray: Coordinator of campus arrangements for the State "Make It Yourself with Wool" contest, December. Judge for High School Sewing Contest, April.

Florence Schroeder: Attended conference on Family in Society, Merrill-Palmer Institute Family Life, Detroit, April, 1966. N. Sch-Kdgt Consultant, Martineztown Comm. Center; Bd. Member, Preschool Consultant Spec. Educ. Center, Alb.; Head Start Consultant Head Start Projects in Indian Pueblos: Co-Directed Crash and 8 Wk Head Start Tr.Tr Programs UNM.

8. Non-teaching University services:

Grace L. Elser: Member of Administrative Committee of the College of Education. Member of sub-committee of Administrative Committee of the College of Education. Advisor of upper division and transfer students.

Ruth B. Harris: Faculty advisor--Univ. College & Home Economics majors. Faculty sponsor-Kappa Omicron Phi, Home Economics honorary. Faculty sponsor-Campanas-Junior Women's honorary Curr. comm-College of Education.

Mary Katherine Huff: Faculty Advisor. Learning Materials Center Committee.

Imogean McMurray: Advisor for UNM Home Economics Chapter of AHEA, Univ. Registration Committee. Secretary for College of Education Meetings, Library Comm. for H.E. Dept. COE Committee on Improvement of Instruction (ad hoc)

Florence Schroeder: Member Manzanita Center Comm; Fac advisor to 16 upper div. Home Econ majors.

9. Public Service:

Grace L. Elser: Chairman of Vocational Services Committee of Altrusa Club.

Ruth B. Harris: Member of 2 church societies (Pres. of one) Chairman-COE Flower Fund. PTA, collector for Cancer Fund Drive, Troop Comm. Girl Scouts.

Mary Katherine Huff: Judge for Albuquerque Home Economists' Clothing Contest, Albuquerque Rose Society, host family for Paraguayan student. St. Matthew's Episcopal Church Women - Treasurer for Thrift Shop.

Imogean McMurray: Recording Secretary for El Segundo Chapter, ABWA.

Florence Schroeder: Alum. Social Service Chairman, Phi Mu Fraternity

10. Personal Information: None

THE REPORT OF THE DEPARTMENT OF SECONDARY EDUCATION

July 1, 1965 - June 30, 1966

Wilson Ivins, Chairman

I. General Departmental Information

A. Significant achievements during the academic year 1965-66

The most significant achievements of the year, the completing of programs for two hundred fifty graduates in teacher education and the successful completion of another year's work in high school accreditation for the North Central Association in New Mexico really are on-going aspects of the program in Secondary Education. Also, a similar effort brought to a successful end the master's programs of four persons for the M. A. and twenty-nine for the M. Ed. Science degrees. Achievements that were new this year included substantial cooperation with the College school buildings consultant, Professor Wilson, and planning and obtaining College approval for a new course, The Two-Year College Curriculum.

B. Plans and recommendations for the near future

In September the Department will try, for the first time, a procedure in which students will study general and special methods simultaneously with student teaching activities in a day-long block program. This program is possible through cooperation of Valley High School under leadership of the principal, Mr. Ralph Dixon, and will be directed for the Department by Professor Dettre.

Proposals either have been or are being made by members of the Department for institutes in science and history teaching, the former in cooperation with the Institute (in Science) Advisory Committee and the latter in cooperation with the Department of History.

Plans also are being made for further study of the Department's involvement in the project with AID in Ecuador as well as for evaluation in Colombia of a proposed involvement of the Department (together with other departments in the college) in a project to assist secondary education reform proposals in that country.

Plans are also being made for cooperation of the Department with the Faculty at Valley High School in a special project to develop curriculum materials and procedures for a special group of students there. This work will probably involve seminars, workshops, and possibly some demonstration teaching by Department members. It has been made possible through the invitation of Ralph Dixon, principal, Valley High School.

C. Additions to staff

Mr. George Hirshfield has been given a one-year appointment as Assistant Professor to begin 1 September 1966. Mr. Hirshfield is completing his Ed. D. with us in Curriculum and Instruction this summer.

Mr. Alvin Howard who recently completed his doctorate at the University of Oregon has been appointed Assistant Professor beginning 1 September 1966.

Mr. Robert Hanny who recently completed his doctorate at Ohio State University has been appointed Assistant Professor beginning

1 September 1966.

Mr. John Rider who completed his doctorate at the University of Nebraska and comes to us from Northwestern College in Iowa has been appointed Associate Professor beginning 1 September 1966. Mr. Rider's specialty is business education; we will be looking to him for leadership and development of graduate program in that special area.

D. Separation from the staff

Mr. Donald Johnston has resigned as of the end of the summer session to accept a position as Associate Professor at Memphis State College.

E. Gifts

None.

II. Composite of information requested on individual biographical supplements

A. Advanced study

Mr. Hirshfield's dissertation for his Ed. D. is at mid-stage.

The title: A Taxonomic Approach to the Evaluation of a Secondary School English Program.

B. Sabbaticals, etc.

Dr. Ivins taught at the University of Colorado, summer session 1965.

C. New scholastic honors, fellowships, etc.

Dr. Runge was given a life membership in the American Vocational Association.

D. Publications during the period

DETRE, JOHN. Article dealing with Specialization and the Changing Role of Secondary Teachers accepted by Clearing House for publication sometime in 1966.

RUNGE, WILLIAM E. A Handbook for Student Teaching in Secondary Schools, 7th Edition, UNM, mimeographed, 56 pp.

E. Other research projects or creative work in progress or completed during period

Mr. Brown did research in the Industrial Arts Carpentry Project.

Mr. Crawford was chairman and editor of Committee Evaluation Reports for the secondary schools at St. Vincent Academy, New Mexico Military Institute, Aztec, Lordsburg, Carlsbad, Alamogordo, Hobbs, Roswell-Goddard, Albuquerque Del Norte, and Tularosa.

Mr. Detre is continuing under a research grant from the State University of New York studying "The Congruence of Belief Systems and Evaluation in Teacher Education. He is also currently surveying student teacher attitudes regarding factors related to compatibility in student teaching experience, and sources of behavior in performing in student teaching.

Dr. Johnston initiated a proposal for research in student teaching program (secondary education). He also developed a course entitled "The Two-Year College."

Dr. Runge was co-sponsor for ten-year follow-up study of 500 high school DE graduates.

F. Activities in learned and professional societies

Mr. Brown attended the NMEA Convention.

Mr. Crawford attended the meeting of the NCA State Chairman in Iowa City, Iowa; annual meeting of NCA; and ASCD in San Francisco.

Mr. Detre attended the national conference of AKRA .

Dr. Ivins attended the annual meeting of NASSP in Cleveland and acted as member of Executive Committee of NMASPP.

Dr. Johnston was appointed to the Research Committee of the Association for Student Teaching.

Mr. Nesbitt became Vice President of the New Mexico Industrial Arts Association and participated in the Mountain States Industrial Arts Association Conference in Salt Lake City.

Mr. Runge is a member of NST Research Committee.

Mr. Warner attended the American Industrial Arts Convention in San Francisco.

Mr. Zweig was on the Board of Directors of the New Mexico Science Teachers Association.

G. Other professional activities

Mr. Brown was coordinator and instructor of technical skills in the Peace Corps.

Mr. Crawford was consultant to Board of Education at Bayard, Gallup, Tularosa, Ruidoso and Los Lunas.

Mr. Detzke participated in two North Central Association revisitations.

Mr. Zweig gave a talk to the fall meeting of the New Mexico Science Teachers Association.

Mr. Ivins was a leader in the Colorado Invitational Conference for Secondary School Principals and a moderator for one session seminar on Higher Education in Latin America.

Mr. Johnston was a team member of North Central visitations at Alamogordo, St. Vincent's Academy.

Mr. Dextator helped plan conference on Asia at Tempe; served on the State Textbook Advisory Committee; sponsored SEA; served on Adm. Comm. and Sub-Comm. on Petitions; and served on Ad Hoc Committee of NMEA Social Studies Section.

Mr. Runge was co-chairman of State Advisory Council on Vocational Education. He also initiated a special project to relate methods, student teaching, and supervision at Valley High School for next year.

H. Non-teaching University service

Mr. Brown was a member of the survey team for NCA at Del Norte High School.

Mr. Crawford continued as New Mexico State Chairman of North Central Association of Colleges and Secondary Schools; he was a member of the University Policy Committee and Academic Freedom and Tenure Committee.

H. Non-teaching University service (continued)

Mr. Dettre was a member of the Scholarship Committee of the College of Education, a member of the Ad Hoc Committee of the College of Education.

Mr. Hirschfield served on the committee to rewrite the College of Education objectives.

Mr. Ivins was a member of the Planning Committee, Latin American Seminar and the Education Doctorate Committee. He was chairman of the Ad Hoc Committee and a member of the Graduate Committee.

Dr. Johnston was chairman of COE Curriculum Committee A. He was the United Fund contact person for COE and faculty advisor for Phi Delta Kappa.

Mr. Warner was a member of COE Administrative and Policy Committee and also a consultant in industrial arts area in building program at Gallup Junior High School.

Mr. Zweig was ~~member of~~ director of the Northwestern New Mexico Regional Science Fair.

I. Public Service

Mr. Brown was Associate Guardian of Job's Daughters Bethel #6 and Marshal, Ballut Abyad Shrine Temple.

Mr. Dostator was institutional representative for Aztec PTA and Cub Pack 390.

Mr. Nesbitt was president of Skyline Fliers, Inc. (non-profit corporation).

Mr. Warner was a Sunday School teacher and active in Boy and Girl Scout work.

J. Personal Information

Mr. Nesbitt became the father of a daughter on April 30, 1966.

THE REPORT OF THE COLLEGE OF ENGINEERING

July 1, 1965 - June 30, 1966

R. H. Clough, Dean

I. Preface

It has become common practice to describe high quality in education with the word "excellence." In this report, an attempt is made to express the meaning of excellence in engineering education at U.N.M. by examples and by describing the progress being made toward its attainment.

Excellence in education might be defined as the development of each student to his utmost capability. It is the responsibility and goal of the U.N.M. College of Engineering to develop each student's faculties to the fullest so that he may not only earn adequate resources for a satisfactory way of life, but also that he may be enabled to live it.

Excellence in engineering education can be measured by the achievements of its students and the respect with which they are regarded by the engineering profession. It can be measured by the reputation of the college and the professional opportunities made available to its graduates. Excellence can be measured by the records of the students in scholarship and fellowship awards and their academic achievements in the best graduate schools. Student achievement is the best indication of the faculty's efforts to assist the student in developing his ability to the utmost. This report attempts to demonstrate that the College of Engineering is making large strides toward its goal of true excellence.

Every parent wishes for his child the greatest possible development of mind, body, and spirit to equip him for a productive and rewarding life. New Mexicans, through their tax dollars and payments of tuition, have provided resources to acquire the faculty and facilities so necessary for high-quality education. However, it must be recognized that more resources will be required in future years if the College of Engineering is to continue its program of excellence for both the undergraduate and graduate programs.

The development of excellence in engineering education has provided many benefits to New Mexico in addition to supplying local industry with highly-trained engineers. The engineering faculty contributes in an important way to the solution of technical problems of state industry and government through research and consultation. The faculty also shares its knowledge with the practicing engineer by teaching off-campus courses and by sponsoring on-campus conferences, institutes, and symposia. The College of Engineering is an important asset to New Mexico in its efforts to attract industry to the State. To prosper, modern industry must be able to employ competent engineering graduates and must have available highly trained engineering specialists found primarily on a university campus.

The old maxim that quality costs only a little more well applies to modern education. The benefits to students, parents, and all New Mexicans far surpass the additional costs. This report is a record of student and faculty achievement and constitutes their record of excellence in engineering education for the past year.

Included with this covering report are the individual reports of the various divisions of the College of Engineering. The reader is referred to these reports for specific information concerning departmental activities.

II. Enrollments and Degrees

In engineering schools nationally, the total freshman enrollment in the fall of 1965 reached 79,872, an increase of 8.4 percent over 1964. This is an all-time high figure but despite this increase in the number of engineering freshmen, engineering continued to decline relative to the total male, first-time degree enrollments in 4 year institutions.

The total engineering undergraduate enrollment nationally in the fall of 1965 was 253,412, up 3.6 percent over 1964. This is the largest figure since 1958. However, here again, engineering undergraduate enrollments over the country as a percentage of total undergraduate enrollments continued their several-year decline.

Although engineering undergraduate enrollments are increasing over the country, the declining proportion of engineering to total enrollment is difficult to understand. Employment opportunities for engineers are expected to be excellent through the mid-1970's, according to the 1966-67 edition of the U. S. Labor Department's Occupational Outlook Handbook.

The Handbook evaluates the impact of recent economic developments, automation, and technology on 700 occupations. In summarizing the job outlook for engineers, the Bureau of Labor Statistics notes that "engineering has been one of the fastest growing professions in recent years, and it is anticipated that

it will continue to grow. Demand will be especially strong for new engineering graduates with training in the most recently developed engineering principles and techniques. New graduates with advanced degrees will have excellent opportunities in research and teaching."

Over the United States, there is a serious shortage of qualified engineers. The U. S. Department of Labor has officially certified the shortage in order to relieve American industry from certain paperwork that is required to import engineers from abroad.

Nationally, graduate engineering enrollments continue their strong climb. In the fall of 1965, there were 13,947 engineering students working toward the doctorate and 44,208 working toward their master's degree, percentage increases respectively of 10.5 and 4.9 over 1964.

Table 1 presents engineering enrollment figures for the University of New Mexico and Table 2 presents data on the total College teaching load.

TABLE I
ENGINEERING ENROLLMENTS AT U.N.M.
Semester I

Classification	1962-63	1963-64	1964-65	1965-66
Freshmen*	334	364	351	435
Sophomores	227	232	250	290
Juniors	152	181	190	176
Seniors	128	135	156	148
Graduate**	409	384	385	348
Total	1,250	1,296	1,332	1,397

*In University College

**Includes Los Alamos and Holloman

TABLE 2
ANNUAL TEACHING LOAD, COLLEGE OF ENGINEERING

<u>Academic Year</u>	<u>Student Enrollments</u>	<u>% Change</u>	<u>Student Credit Hours</u>	<u>% Increase</u>
1961-62	5,072		13,334	
1962-63	5,297	+4.5	13,742	+3.1
1963-64	5,667	+7.0	14,687	+6.9
1964-65	6,228	+9.9	16,140	+9.9
1965-66	6,431	+3.3	16,424	+1.8

The tables above show that undergraduate engineering enrollments at U.N.M. have been increasing steadily for the past several years, but graduate engineering enrollments have been decreasing to some extent. The principal reasons for this are the steadily diminishing enrollments at Los Alamos and Holloman and the gradual phasing out of the Sandia Technical Development Program on campus. The future of the TDP is rather uncertain at the present writing. Although Sandia Corporation did intend to phase the program out completely by about 1968 or 1969, this may not occur because Sandia has been unable to hire directly the numbers of M.S. engineers that were originally contemplated.

In 1964-65, the following engineering degrees were awarded in the United States:

<u>Degree</u>	<u>Number</u>	<u>% Change from previous year</u>
Doctor's	2,124	+25.5
Master's	12,056	+11.4
Bachelor's	36,691	+ 4.2

As shown above, the number of bachelor's degrees increased, this being the largest number produced since 1959. Until this year, bachelor's degrees in engineering have constituted a declining portion of the total bachelor's degrees awarded nationally. For 1964-65, bachelor's degrees in engineering awarded by ECPD institutions were 10.3 percent of all bachelor's degrees conferred on men and 6.1 percent of all degrees awarded at this level.

Over the country, master's and doctor's degrees in engineering continued to increase strongly, prolonging trends that have persisted over 12 years. Because the graduate enrollments in engineering nationally increased again in 1965-66, continued increases in master's and doctor's degrees are virtually assured for several more years. Presently, doctor's degrees in engineering are increasing at a rate approximately three times greater than all earned doctor's degrees. In 1964-65, 15.3 percent of the doctor's degrees awarded to men and 13.7 percent of all earned doctor's degrees in the United States were engineering doctorates.

The number of master's degrees in engineering awarded nationally has increased consistently for 12 years and has more than doubled in the last 8 years. The overall rate of increase of master's degrees in engineering since 1954-55 has been approximately twice the rate of increase for all master's degrees conferred in the United States during the same period.

Table 3 presents information concerning engineering degrees conferred at the University of New Mexico during the past four years.

TABLE 3
ENGINEERING DEGREES

Degree	1962-63	1963-64	1964-65	1965-66
B.S.	96	102	147	124
M.S.	81	95	99	88
Ph.D.	5	4	7	16
Totals	182	201	253	228

Noting the large increase in Ph.D. degrees in engineering during 1965-66, it should be mentioned that the engineering doctoral program is only now approaching what might be called full production. The June 1966 commencement saw the first doctoral degrees granted in Civil Engineering and in Nuclear Engineering.

III. Undergraduate Program

Reference to Table 1 shows that engineering freshmen enrollments at U.N.M. in the fall of 1965 increased by 24 percent as compared to the national average increase of 8.4 percent. Undergraduate engineering enrollments for the coming year are subject to considerable uncertainty because of the draft situation and the expanding conflict in Viet Nam. Because of the almost total male makeup of engineering enrollments, increased military demands are felt most quickly and seriously by engineering schools. On the other hand, the recently expanded G.I. bill can have the opposite effect. Past experience indicates that a large percentage of veteran students tend toward the technical fields such as engineering.

The U. S. Navy N.E.S.E.P. program in electrical engineering now has approximately 100 students enrolled, with 13 of these men receiving their B.S. degree at the June 1966 commencement. Dr. J. S. Lambert, Associate Professor of Electrical Engineering, who has served very capably as director of the NESEP program since its inception in 1961, has resigned to accept another position and his efficient handling of the program will be missed. Dr. Boatwright, Asst. Professor of Electrical Engineering, has been appointed as the new director for next year.

Note is made here of the use of broadcast TV during the past year by the Department of Electrical Engineering to teach a required sophomore course. This is the first time that TV has been so-used by the College of Engineering and many valuable lessons were learned. Expanded use of this educational media is planned for the coming year. Dr. Thorn presented the course and he, together with Dr. Koschmann, are to be congratulated for their interest and action in this important new field.

The following tables present information concerning suspension, probation, and students on the Dean's List.

TABLE 4
SUSPENSION AND PROBATION

Status	End of Semester I					
	1963-64		1964-65		1965-66	
	No.	%	No.	%	No.	%
Probation*	43	8.9	51	9.8	60	11.5
Suspended	14	2.9	13	2.5	8	1.5
Removed from Probation	12	2.5	16	3.1	13	2.5

TABLE 4
(Continued)

Status	End of Semester II					
	1963-64		1964-65		1965-66	
	No.	%	No.	%	No.	%
Probation*	51	10.4	37	7.3	56	10.5
Suspended	8	1.6	13	2.6	17	3.2
Removed from Probation	14	2.8	15	2.9	14	2.6

*Includes placed on probation and continued on probation

TABLE 5
ENGINEERING STUDENTS ON DEAN'S LIST

Year	Semester I		Semester II	
	Number	%	Number	%
1962-63	107	23.2	115	26.0
1963-64	122	25.4	108	22.0
1964-65	122	23.4	146	28.8
1965-66	145	27.7	149	28.0

Table 4 shows that a somewhat higher percentage than usual of engineering students were experiencing academic difficulties during the 1965-66 academic year. A puzzling aspect of this matter was that the poor grades were not concentrated with the lower division students but were well distributed among sophomores, juniors, and seniors. The struggle in Viet Nam and the draft situation seem to be the only logical explanation.

It is to be pointed out, however, that 1965-66 also saw more than 1/4 of the undergraduate engineering students on the Dean's Honor Roll. Considering the difficulty and rigor of the engineering curricula, it is very encouraging to see such a

large percentage of the engineering students maintaining a B-average in their studies.

IV. Student Prizes and Awards

The following awards were made by the College of Engineering Student Affairs and Awards Committee, C. T. Grace, Chairman. This list does not include those awards and prizes that are solely those of the individual Engineering departments. There are many of these and they are listed in the departmental reports.

1. Hamilton Watch Award - Randall Wooley, CE
2. N.M.S.P.E. Wives Scholarship - G. C. Gustafson, ME
3. Harold L. Dougherty Prize - J. A. Flagstead, EE
4. George E. Breece Prize - G. J. Hartman, ME
5. John E. Beck Scholarships - M. E. Berger, ME
J. E. Hobson, ChE
H. B. Jones, CE
D. E. Morris, EE
6. Craig Elton Bresenham Scholarships - Kenneth Schenck, ME
A. A. Guthrie, CE
7. Harry and Mabel F. Leonard Scholarships - R. A. Hildner, ME
V. J. Chavez, CE
J. T. Ackerman, EE
T. D. Anderson, ChE
8. Rufus H. Carter Scholarship - S. P. Chavez, ME
9. Sandia Foundation Grants - P. L. Bussolini, CE
L. E. Hatler, ChE
10. Western Electric Fund Scholarship - Jose Martinez, Jr., CE

The faculty of the College of Engineering selects the recipients of the above listed awards. In addition to these are students who are selected for awards by other groups and organizations. It is almost impossible to obtain complete listings of these but those that can be identified are listed below:

1. General Motors Scholarship for Freshmen - D. R. Armstrong
2. A.S.C.E. Award to Outstanding Senior - Randall Wooley
3. Outstanding Foreign Engineering Student - A. S. Arcache
Mr. Arcache is a junior M.E. student from Alexandria, Egypt and was recognized at the Annual Engineers' Luncheon during National Engineers' Week.

4. Associated General Contractors of New Mexico Scholarship - Roderick F. Luhn. The Association provides \$800 annual scholarships for four-years of study in Civil Engineering. Other present holders of these scholarships are Robert O. McNeil, Howard B. Jones, Randall Wooley.
5. New Mexico Society of Professional Engineers Scholarship - Travis L. Crouch, Ch.E. - Charles W. Trask, CE
6. American Society for Quality Control Award - Richard Hildner, ME - Ted Hobson, ME

At the initiation and dinner on May 2, 1966, eight engineering seniors and one junior were inducted into Phi Kappa Phi, national honorary society.

V. Graduate Program

During Semester I, 1965-66, there were 348 engineering graduate students registered, 34 of whom were at Los Alamos Scientific Laboratory and 6 at Holloman Air Force Base. During that semester, the College of Engineering had 19.8 percent of all the graduate students registered at the University. Electrical Engineering remained the largest graduate department on campus followed by Business Administration and Mechanical Engineering in that order.

Previous mention has been made of the fact that Engineering graduate enrollments decreased somewhat from 1964-65 to 1965-66, partially because of large reductions in such enrollments at Los Alamos and Holloman. To illustrate, the 1964-65 graduate engineering enrollment at Los Alamos was 55 (34 in 1965-66) and at Holloman was 24 (6).

At Los Alamos, the probable reason for the diminution of graduate enrollments is very likely the relatively static situation with respect to engineering, scientific, and technical personnel. Dean Springer reports a decrease from 114 to 81 in all graduate enrollments at Los Alamos for the same period.

At Holloman, the reasons for the drastic reductions in graduate enrollments are much less certain and involve a number of complicated factors. Total graduate enrollments at Holloman during 1964-65 were 110, these diminishing to 62 in 1965-66. It is encouraging to note that after consultation with General Leo Kiley and other Holloman personnel, the University Administration has taken steps to revitalize the Holloman operation. The Center has been redesignated as the "Graduate and Continuing Education Center" and will be under the jurisdiction of the Graduate School. Dr. Foote, former Director of the Holloman Center, has resigned to accept a position at the University of Missouri and will be replaced by Colonel Cary L. O'Bryan, Jr. who will begin his duties on September 7, 1966. Many new policies and procedures are planned to put the Holloman Center back on a solid and fully productive footing. A long-range plan for engineering educational programs pertinent to Holloman's needs will be worked out in the months ahead.

By action of the University faculty at its meetings of March 15 and April 19, 1966, the doctoral degree in Engineering was changed from the Doctor of Science (Sc.D.) to Doctor of Philosophy (Ph.D.) effective with the June 1966 commencement. This change was made, primarily, because the University awards honorary Sc.D. degrees and to recognize the trend in American engineering schools toward the Ph.D. as the standard doctoral degree.

For the 1965-66 academic year, five renewals of existing NSF Traineeships were received in Engineering (1-CE, 2-EE, 1-ME, 1-NE) and two new ones received (1-EE), (1-ME). Three new NSF

Traineeships (1-CE, 1-ME, 1-NE) have been received for the 1966-67 academic year.

The Sandia Technical Development Program (TDP) turned out a class of 42 M.S. degrees at the June 1966 commencement. The comparable figure for last year was 53, illustrating the aforementioned decrease in size of TDP enrollments. A later section of this report presents complete information concerning this program.

VI. Placement

There is little doubt that the current demand for engineers is at an all time high. Industry, governmental and defense agencies all voice tremendous need for engineering graduates and, almost without exception, recruiters have come to our campus this past year trying to fill substantially increased employment quotas. Nationally, federal agencies alone sought more than 4000 new engineering graduates in all fields.

The demand for technical people in general, which set new records in 1965, shattered these records in 1966. The Deutsch & Shea Engineer-Scientist Demand Index, based upon recruitment advertising in newspapers throughout the country, with 1961 as the base year equalling 100, spiralled to a new high of 212.7 in January 1966. This was 100.1 points above the previous January, and 36.8 points above the previous record of 175.9 registered by the Index in November 1965. The shortage of engineers has been so bad, as a matter of fact, that a total of 36,461 engineers have come to the United States from abroad during the last ten years, a manpower report of the U. S. Department of Labor recently stated.

Recruiting for engineering graduates on the U.N.M. campus increased dramatically this past year. Nationally, according to the College Placement Council, a 43.8 percent increase in the number of offers to bachelor-level technical students has been recorded during the past year in a survey of 110 colleges and universities. Offers for master's degree holders also rose 44.6 percent and for doctor's it climbed 31.4 percent. This great increase in the demand for engineers comes at a time when the number of graduating engineers did not increase very much because of small freshman enrollments four and five years ago. Things are complicated further by an increasing number of new B.S. engineers going into the military service or going on for graduate work. Presently, about 20 percent of the U.N.M. graduating engineering seniors are entering graduate school, here or elsewhere. According to a recent survey, the comparable national figure is 19.5 percent.

The resulting disparity between supply and demand has resulted in a real scramble by employers to hire the B.S. graduates that were available. An inevitable consequence of this situation has been a further substantial increase in starting salaries. Table 6 shows average U.N.M. starting salary offers to engineering students for this year and last.

TABLE 6
AVERAGE MONTHLY SALARY OFFERS, B.S.*

Department	Class of 1965		Class of 1966	
	U.N.M.	Nat'l. Average	U.N.M.	Nat'l. Average
Chemical	\$672	\$642	\$691	\$682
Civil	601	618	682	658
Electrical	666	641	702	679
Mechanical	640	635	690	670

*Data supplied by U.N.M. Placement Bureau

Average monthly salary offer for all U.N.M. engineering (1966):
\$687.00

National average monthly salary offer for all fields of engineering (1966): \$671.00

Table 6 reflects the particularly acute shortage nationally of civil engineers. It is to be noted that U.N.M. graduates, as they have been doing for many years, again received starting salaries substantially in excess of the national averages.

VII. Research

The most recent complete data on U.N.M. research available is for the 1964-65 academic year. Table 7 presents data on the engineering research program for the past few years.

TABLE 7
REIMBURSEMENT FOR SPONSORED RESEARCH

Division	Total Reimbursement			
	1961-62	1962-63	1963-64	1964-65
Engineering	\$ 359,801	\$ 417,227	\$ 398,642	\$ 423,482
All-University	1,223,767	1,864,896	2,168,704	2,942,216

As Table 7 illustrates, engineering research experienced a strong increase during the 1964-65 academic year.

Note is to be taken here of the name change of the shock tube facility to the "Eric H. Wang Civil Engineering Research Facility," abbreviated CERF. This name change became effective as of June 1965. Although the College of Engineering does not administer this facility, \$651,584 worth of engineering research was done by this organization during 1964-65.

This report contains, for the first time, a section prepared by the Bureau of Engineering Research. This section presents detailed information concerning engineering research performed during the 1965-66 academic year and should constitute a valuable addition to the annual report of the College of Engineering.

VIII. Student Activities

The annual Engineering Open House was held February 25-26, 1966. This is a student-sponsored activity and attracts large numbers of junior-high and senior-high students as well as townspeople from all over New Mexico. It is estimated that this year's show had over 1000 visitors. The U.N.M. Associated Students again made funds available to the Engineers' Joint Council to help defray Open House expenses. This year, as in the past, the Albuquerque Technical Council provided funds to pay the transportation costs of out-of-town students attending the Open House.

Continuing a procedure initiated last year, the students appointed a panel of judges selected from local industry, schools, and consulting firms. These judges inspected the exhibits and awarded prizes at a dinner. Three prizes (\$50, \$15, and \$5) are awarded to the top three exhibits of each department. In addition,

a travelling trophy is awarded for the best overall departmental showing. This year, the Department of Electrical Engineering won the award.

Mr. David Tudor, a mechanical engineering senior, served very capably as president of the Engineers' Joint Council for the 1965-66 year. Mr. Dennis Lee, an electrical engineering senior, was elected president of EJC for the coming year. Professor C. T. Grace, Assistant Dean of Engineering, did a very fine job of working with the engineering students in his capacity as Chairman of the Student Affairs and Awards Committee of the Engineering College.

An unusual, but effective activity of the EJC was their sponsorship of a short course on industrial safety. This course was given by the U. S. Bureau of Mines and was conducted on campus during the evenings of February 28 and March 2, 1966. The course was open to all those interested and appeared to be well worth while.

The Albuquerque Branch of the New Mexico Society of Professional Engineers honored the graduating engineering seniors at a special dinner at the Alvarado Hotel on the evening of November 18, 1965. This annual affair enables many students to meet their future employers and associates and also helps to indoctrinate them into the activities of their chosen profession.

IX. Faculty

Effective 1965-66, the following men joined the faculty of the College of Engineering:

Bohumil Albrecht, Ph.D., Professor of Mechanical Engineering
A. A. Armstrong, Ph.D., Assoc. Professor of Chemical Engineering
K. E. Cox, Ph.D., Asst. Professor of Chemical Engineering

W. L. Everett, Ph.D., Assoc. Professor of Nuclear Engineering
 C. L. Hulsbos, Ph.D., Professor of Civil Engineering and
 Chairman of the Department of Civil Engineering
 Frank Janza, Sc.D., Assoc. Professor of Electrical Engineering
 (joint appointment with CERF).
 Robert L. Long, Ph.D., Asst. Professor of Nuclear Engineering
 R. R. Mohler, Ph.D., Assoc. Professor of Electrical Engineering
 D. P. Petersen, Ph.D., Assoc. Professor of Electrical Engineering
 D. D. Phillips, Ph.D., Asst. Professor of Chemical Engineering
 C. G. Richards, Ph.D., Asst. Professor of Mechanical Engineering
 H. L. Schreyer, Ph.D., Asst. Professor of Mechanical Engineering
 B. L. Weinberg, Ph.D., Visiting Asst. Professor of Electrical
 Engineering

The College of Engineering feels especially fortunate in
 having secured Dr. C. L. Hulsbos from Lehigh University to be the
 new Chairman of the Department of Civil Engineering.

The following engineering faculty received promotions in
 rank effective July 1, 1966:

W. T. Abbott to Asst. Professor of Civil Engineering
 W. E. Baker to Assoc. Professor of Mechanical Engineering
 F. O. Calvert to Assoc. Professor of Mechanical Engineering
 W. W. Hakala to Asst. Professor of Civil Engineering
 A. V. Houghton to Professor of Mechanical Engineering
 D. C. Thorn to Professor of Electrical Engineering
 G. A. Whan to Professor of Nuclear Engineering and Chairman
 of the Department of Nuclear Engineering

The College of Engineering was especially proud of two
 honors bestowed upon Dr. R. C. Dove, Chairman of the Department of
 Mechanical Engineering. On March 25, 1966 at the annual meeting
 of the Southwest Section, American Society for Engineering Edu-
 cation, at Austin, Texas, Dr. Dove received the Western Electric
 Fund Award for Excellence in Engineering Instruction. The award,
 consisting of a citation and \$500, is based upon teaching ability,
 research, professional stature, and publications. This is a high
 honor which Dr. Dove thoroughly merited. Also, on April 20, 1966,
 Dr. Dove gave the 13th Annual Research Lecture at U.N.M. His
 topic was "Advances in Man's Ability to Measure His Environment."

Dr. Dove is the first member of the engineering faculty to appear on this series of distinguished speakers.

Grants provided by the AEC-ARMU program in nuclear education allowed two engineering graduate students and two engineering faculty members to participate in research at Sandia Corporation during the summer months of 1965. The students participating were Jerry Koelling and Gary Peeler, both graduate students in nuclear engineering. The faculty members were Dr. R. D. O'Dell, Asst. Prof. of Nuclear Engineering and Dr. H. D. Southward, Assoc. Prof. of Electrical Engineering. Dr. Glenn A. Whan, Assoc. Professor of Nuclear Engineering, received a 1965 summer research appointment at the AEC National Laboratory at Oak Ridge, Tennessee. During this time, Dr. Whan worked on problems pertaining to the nuclear desalinization program of the AEC and the Office of Saline Water.

For the past three years, the National Science Foundation has had a research initiation program specifically designed to assist new faculty members in getting their research going. Although several proposals have been submitted by U.N.M.'s engineering faculty, it wasn't until this year that any such grants were received. Dr. R. D. O'Dell, Asst. Professor of Nuclear Engineering, received \$9,600 for a nuclear properties study and Dr. H. L. Schreyer, Asst. Professor of Mechanical Engineering, received \$9,600 for an investigation into elastic shell theory.

A fine example of faculty interest and initiative were the colloquia series conducted during the year by the Departments of Civil Engineering, Electrical Engineering, and Mechanical Engineering. Nationally prominent engineers from industry, government,

and other educational institutions presented advanced aspects of the latest engineering developments. Dr. J. Yao (Civil Engineering), Dr. S. Karni (Electrical Engineering) and Dr. F. Ju (Mechanical Engineering) are to be congratulated for taking the initiative in arranging this very worthwhile enrichment of the engineering programs.

Special note should be made of the role that Dr. M. D. Bradshaw, Asst. Professor of Electrical Engineering, has played in a national program of development of programmed learning in the engineering disciplines. This program has been funded by the Ford Foundation and conducted by the American Society for Engineering Education. Dr. Bradshaw was one of 26 participants selected. His contribution to the study has been such that the University of New Mexico has been invited to serve as one of five regional centers of programmed learning in engineering. A proposal to fund this center is now being prepared.

Dr. Glenn A. Whan, after serving as Director of the Los Alamos Graduate Center for the past three years, relinquished this post as of the end of the 1965-66 academic year. Dr. Whan will be on leave of absence during the 1966-67 academic year serving with the International Atomic Energy Commission in Lisbon, Portugal. Dr. Richard H. Williams, Associate Professor of Electrical Engineering, has been appointed as the new Director of the Los Alamos Center.

As has been stated before, the UNM policy of 9-months contracts for departmental chairmen continues to impose impossible conditions on those concerned with departmental growth and progress.

It simply is no longer possible for a department to exist in a state of suspended animation during the summer months. Research, instruction, planning new facilities, recruiting faculty and graduate students, curriculum study, student advisement---all of these and many more are year-around activities and the summer months are no less busy and important than any other time of the year. The absence of a chairman during the summer months acts to stifle departmental growth and is a matter of the utmost concern to the College of Engineering.

X. Laboratory Equipment

The Department of Mechanical Engineering was awarded a second grant from the N.S.F. Undergraduate Instructional Equipment program. Dr. K. T. Feldman is to be commended for his action in obtaining and administering this \$26,400 grant. These funds, as were those received two years ago, are being spent on a major renovation of the mechanical engineering laboratory program.

Dr. C. L. Hulsbos received \$13,500 from the National Science Foundation which, together with U.N.M. funds, will provide for the purchase of equipment for structural testing. This equipment will be used in research in the field of repeated loads on structural elements. Another proposal to NSF is being prepared requesting more equipment for this experimental area.

Some welcome equipment money was received from a Title VI, Higher Education Act of 1965, grant. Proposals were made by the College of Engineering to the New Mexico Bureau of Educational Finance in April 1966 and the following funds were received:

Civil Engineering	\$3,795
Electrical Engineering	4,016
Mechanical Engineering	4,204

These funds will be used to purchase undergraduate laboratory equipment as specified in the requests submitted to the B.E.F.

The AGN 201 critical reactor was received on the U.N.M. campus from the University of California in Berkeley on July 18, 1966. The AEC granted a construction permit to U.N.M. to receive and install this reactor. An important aspect pertaining to the ultimate issuing by the AEC of a license to operate the reactor was the employment of Mr. W. L. Tabor as campus Radiological Safety Officer. It is anticipated that the new reactor will be installed and ready for operation by the start of Semester I, 1966-67. Dr. R. D. O'Dell is in charge of the installation, start-up, and testing of this new equipment.

Laboratory equipment, particularly for research purposes, remains one of the most pressing areas of need in the College of Engineering. Federal programs have supplied, to a modest extent, funds for undergraduate engineering laboratory instruction equipment. However, equipment for engineering research is an entirely different matter. Only one major source for this type of equipment exists and this is the NSF Graduate Facilities Program. The College has made three proposals to this group, all three being denied for reasons beyond our control. With the numbers of engineering doctoral students reaching the dissertation stage in the immediate future, the Engineering College will require major assistance with respect to research apparatus and facilities.

XI. Physical Plant

During the summer and early fall of 1965, the old mechanical engineering shop area was completely renovated. The old machine shop was cleared, painted, and converted into a new instructional and research laboratory area. All of the shop equipment that was in good operating order was moved into the old welding and foundry areas to establish a new central shop for the College of Engineering. Credit for this very valuable renovation must go to Dr. R. C. Dove who planned the new shop and supervised the work through to its completion. The new areas have been extensively used this past year and the new shop has proven to be a most important addition to the facilities of the College. Some funds are presently needed to provide a few new basic machine tools.

The big news with respect to physical plant was, of course, the progress made during the past year on the new Engineering Center. Under Professor Grace's direction, and with Mr. Hoshour's invaluable assistance, the building program was completed. On March 19, 1966, the Regents appointed the firm of Flatow, Moore, Bryan and Fairburn as contract architect. In late May, a Title II proposal requesting \$618,086 of Federal funds was delivered to the Graduate Facilities Branch, U. S. Office of Education, in Washington, D. C. A site visit pertaining to this proposal is scheduled for July 28-29, 1966. A Title I proposal requesting funds for the undergraduate portion of the building will be submitted in October 1966.

XII. College Activities

On March 14-15, 1966, an inspection team from the Engineers' Council for Professional Development conducted an accreditation visit to the Departments of Civil, Electrical, and Mechanical Engineering. The last visit of this group to our campus was five years ago at which time the departments received the maximum accreditation of five years.

At the April 19, 1966 meeting of the University Faculty, this body approved the establishment of a Department of Nuclear Engineering as of the start of the 1966-67 academic year. Dr. Glenn A. Whan was appointed as Chairman. Because Dr. Whan will be on leave during 1966-67, Dr. Willis Everett will serve as acting chairman during the coming year.

The College of Engineering acted as co-sponsor for the following major conferences held on campus:

Sixth Annual Symposium, "Filament Structures Technology", December 3-4, 1965, co-sponsored with the New Mexico Section, American Society of Mechanical Engineers.

"Higher Quality at Lower Cost", April 14, 1966, co-sponsored with the Albuquerque Chapter, American Society for Quality Control.

During June 21 - August 14, 1965, the Civil Engineering Department conducted on campus a NSF Summer Institute in "Probabilistic Mechanics for College Teachers." Professors Cottrell and Yao are to be congratulated for their handling of this high-level and very successful institute. A sequel institute is being conducted by the Department during the 1966 summer term.

Annual Report of the Sandia Technical
Development and Educational Aids Programs,
The Accountability Office for Sandia Equipment,
and
The Kirtland A.F.B. - U.N.M. Cooperative Educational Program
July 1, 1965 - June 30, 1966
Charles T. Grace, Director

I-A. General Information

Sandia T.D.P. & E.A.P.

The University contracts with Sandia Corporation to operate the Technical Development Program and the Educational Aids Program were continued for the school year 1965-'66. The new contract for 1966-'67 is being negotiated and should be signed early in the summer.

A significant change in the program was made in April 1966 when, after considerable discussion by the faculty and by the Educational Committee of Sandia, it was decided to drop Advanced Engineering Analysis from the required core of courses. It will be remembered that last year this course was cut from 6 to 3 semester hours. This has been a particularly difficult course to teach and to staff. It was felt that the results obtained did not justify the great amount of faculty and student time that was spent thereon. Advanced Engineering Analysis will be replaced by Mathematical Statistics (Math 343). A rearrangement of the schedules through the two years will be necessary because there will now be a required mathematics course each of the four semesters.

THE TECHNICAL DEVELOPMENT PROGRAM

The new class of 1967 entered the program in September 1965. The class was made up of 23 bachelor of science electrical engineering students and 13 bachelor of science mechanical engineering students. With one exception these men are doing very well academically, and the exception, an electrical engineer, may be able to pull up to a B average at the end of the second semester 1965-'66.

This year for the first time master of science students were recruited with the understanding that they must complete the core courses within one academic year. Four men each in this category were hired in electrical and mechanical engineering. It is expected that the hiring of masters of science will increase in the coming classes. In fact, if sufficient M.S. hires can be made the Technical Development Program may well be phased out in the near future.

The class of 1966 entered its second year of the program with 24 electrical engineering students and 20 mechanical engineering students. One of the initial 25 electrical engineering students transferred to mechanical engineering during the summer of 1965. Of the electrical engineering students, two failed their comprehensive examinations. The Electrical engineering student of the class of 1965, who suffered a serious illness in the spring of 1965 returned in the fall and completed all requirements for the degree in February of 1966.

From the previous TDP classes 2 electrical engineering students completed their degree requirements in June 1966.

The following table is a summary of the above information.

	Enrolled		Completed TDP June 1966	MS Degrees Class of June 1966	MS Degrees Previous TDP Classes
	64-65	65-66			
E.E.	25	28	28	22	3
M.E.	20	17	24	20	

EDUCATIONAL AIDS PROGRAM

Semester I, 1965-'66

	Ed.D. <u>Ph.D.</u>	M.S.	Under- <u>graduate</u>
Electrical Engineering	19	9	27
Mechanical Engineering	9	11	9
Civil Engineering	4	3	1
Nuclear Engineering	<u>3</u>	<u>1</u>	<u>0</u>
	35	24	37
Arts and Sciences			
Astronomy	0	0	2
Biology	0	0	1
History	0	1	0
Mathematics	9	6	10
Philosophy	0	0	1
Physics	2	2	3
Psychology	0	2	1
Sociology	<u>0</u>	<u>2</u>	<u>1</u>
	11	13	19
Business Administration	0	12	12
Education	1	0	2
Fine Arts	0	1	4
University College	<u> </u>	<u> </u>	<u>34</u>
Total Enrollment for Degrees	47	50	108
Total Students in Degree Programs		205	
Graduate Specials - Not for Degree		5	
Non Degree Students		<u>66</u>	
TOTAL E.A.P. ENROLLMENT SEM. I, '65-'66		276	

Semester II, 1965-'66

	<u>Ed.D.</u> <u>Ph.D.</u>	<u>M.S.</u>	<u>Under-</u> <u>graduate</u>
Electrical Engineering	16	3	26
Mechanical Engineering	5	6	5
Civil Engineering	5	3	1
Nuclear Engineering	<u>1</u>	<u>1</u>	<u>0</u>
	27	13	32
Arts and Sciences			
Anthropology	0	0	1
Chemistry	1	1	5
Economics	1	1	0
English	3	1	2
Geology	0	0	1
History	1	0	0
Mathematics	11	7	9
Physics	0	2	6
Psychology	1	1	0
Sociology	<u>0</u>	<u>1</u>	<u>1</u>
	18	14	25
Business Administration	0	10	8
Education	0	2	2
Fine Arts	0	0	2
University College	<u> </u>	<u> </u>	<u>22</u>
Total Enrollment for Degrees	45	39	91
Total Students in Degree Programs			175
Graduate Specials - Not for Degree			10
Non Degree Students			<u>37</u>
TOTAL E.A.P. ENROLLMENT SEM. II, '65-'66			222

DEGREES GRANTED TO EDUCATIONAL AIDE STUDENTS JUNE 1966

Engineering	
D.S. Degrees	2
M.S. Degrees	2
Ph.D. Degrees	3 (2 are former T.D.P.'s)
Arts and Sciences	
D.A. Degrees	1
D.S. Degrees	3
Business Administration	
MBA	<u>3</u>
Grand Total for E.A.P.	14

Accountability Office for Sandia Equipment Loans to U.N.M.

In November, 1965, Dean George Springer decided to relieve Professor Harold Walker and his staff of the duties of accounting for the numerous items of equipment on loan to the University from Sandia Corporation. These loans are in two classifications. One, excess equipment which is loaned to various departments to aid in their educational programs. Two, equipment which is on loan to a faculty member to aid him in a research contract with Sandia. The Educational Aids Equipment Contract accounts both for the major number of items and a large portion of the total money value of the loans. The Electrical Engineering Department has by far the largest amount of the equipment. Mechanical Engineering is the second largest holder. The other engineering departments have appreciable amounts. Outside of engineering, Physics is the largest borrower followed by Chemistry, Geology, and Psychology. Even the Music department and the Modern Language Departments have several items on loan. The total money value of the equipment, when new, was approximately \$400,000.

This office took part in the "hands on" inventory conducted by Professor Walker and Mr. Willard McCormick of Sandia during the last two weeks of November. At the conclusion of this inventory the records and old files were transferred to this office.

The detail work that is necessary to keep Sandia satisfied that the equipment is properly looked after and available at anytime for their recall has proved to be no small job.

Nor, does it appear that it will become any less of a job in the near future. Excess property lists are sent to the various departments approximately every ten days and deliveries of equipment made to the University about once a month. The "hands on" inventory in November of each year can be expected to take from eight to ten days of the Director's time.

To our knowledge no provision has been made in the past to budget money to cover the operation. Presumably this was not felt to be necessary since it fit right in to the work of the office of the Director of Research. However, since it is now in between the offices of the Dean of the Graduate School and the Dean of the College of Engineering, the Director feels that money should be budgeted for this service to cover some part of the salaries of the Director and his secretary.

THE KIRTLAND A.F.B. - U.A.M. COOPERATIVE EDUCATIONAL PROGRAM

In October, 1965, Dr. Harold Enarson, Academic Vice President of the University, asked Dean Clough to appoint Professor Grace to act as liaison officer between the University and the Kirtland Air Force Base for their undergraduate cooperative educational program. In this program students in engineering, mathematics, and the physical sciences may be hired into the lower GS grades to pursue a work-study program at Kirtland and the University. The program is small at the moment, 22 students, but they expect to expand greatly in the next few years.

At the present very little work is involved in handling the program, mostly clerical work at registration and grade periods. In time it could become fairly time consuming for the Director and his secretary. This June, four engineers will receive their B.S. Degrees. In Arts and Sciences one will receive a B.A. degree and four others will receive the B.S. degree.

I-B -----

I-C -----

I-D -----

II. Biographical Supplement for the Director, C.T. Grace

1. through 5. - no new items

6. Activities in learned and professional societies

- a. Attended the annual meeting of the American Society for Engineering Education at the Illinois Institute of Technology, Chicago, Illinois, June 20-25, 1965.
- b. Served as Chairman of the Southwest Section of the American Society for Engineering Education for 1965-1966.
- c. Participated in the semi-annual meeting of the Council of Section West of the American Society for Engineering Education in Denver, Colorado, December 3, 1965.
- d. Presided as the Chairman of the annual meeting of the Southwest Section of the American Society for Engineering Education at the University of Texas at Austin, Texas, March 24-26, 1966.

d. (Continued) Presided over the Executive Committee Meeting of the Section in which the Committee petitioned the General Council to expand the Section to include the engineering schools in Louisiana.

e. Active in the New Mexico Section of the American Society of Mechanical Engineers and the Albuquerque Chapter of the New Mexico Society of Professional Engineers. Attended the National Convention of the National Society of Professional Engineers in Albuquerque, June 30, - July 1, 1965.

7. Other professional activities

a. Served as a design consultant to the Los Alamos Scientific Laboratories for the 14th year.

b. Worked with the American Society of Mechanical Engineers and the American Society for Quality Control in presenting their annual symposiums in cooperation with the University of New Mexico.

c. Served as a judge at the New Mexico State Science Fair in Socorro, April 16, 1966.

d. Attended the annual meeting of the New Mexico Society of Professional Engineers in Santa Fe, February 12, 1966.

e. Attended the U.N.M. - N.M.S.P.E. Bidding Symposium at The University of New Mexico, November 3, 1965.

- f. With the assistance of Sandia administrators, arranged a one day orientation meeting for the University of New Mexico administrative officers at Sandia Corporation, November 10, 1965.
 - g. Attended six sessions of the Unified Science and Engineering Study Program at Sandia Corporation October 29 - November 3, 1965.
 - h. Prepared the nomination for Dr. Richard C. Dove for the Western Electric Fund Award for Excellence in Engineering Instruction for the Southwest Section of the American Society for Engineering Education. Incidentally, Dr. Dove won the \$500 award and citation.
8. Non-teaching University Service
- a. With the assistance of many faculty members of the College, prepared the preliminary program for the new Engineering Center. Later worked with Mr. Harvey S. Hoshour to prepare the preliminary program for the University Architect's office.
 - b. Prepared bulletin board flyers and a new Engineering College Graduate Bulletin.
 - c. Edited and circularized the third edition of the Engineering College Newsletter. A great many were returned because of poor addresses, but apparently about 1750 reached the alums.

- d. Continued to work for newspaper and technical magazine coverage of the activities of the faculty and students in the College.
- e. Served as faculty advisor for Engineers Joint Council, the main activity of the year being the annual Open House. Worked with the judges in selecting the winners in the various departments. Contacted the principals and superintendents of the large schools in the State to encourage student attendance.
- f. Chairman of the College of Engineering Scholarships and Awards Committee. At the suggestion of Dean Clough we approached the Sandia Fund for scholarship money for the first time. We were very pleasantly surprised when they responded with 2 scholarships of \$250 a year.

9. Public Service

Member of the Albuquerque Optimist Club (Boys Work)

Report of the Bureau of Engineering Research

July 1, 1965 - June 30, 1966
Wayne W. Grannemann, Director

The Bureau of Engineering Research has had a funding of \$661,541.77 from Government contracts (based on one year's fund authorizations). We have employed 75 salaried personnel and 90 hourly personnel. The salaried personnel are mainly faculty and graduate students, while the hourly personnel are mainly undergraduate students. The number of research contracts in force during the past year was 28. The number of research proposals submitted to potential Government sponsors in the past year was 33, of which to date 13 have been successful, with the balance still pending. Thirteen research contracts were awarded as a result of proposals submitted during the preceding fiscal year.

The Bureau of Engineering Research needs a means of paying staff faculty members to write research proposals in order to obtain a higher quality of research proposals and to improve our success ratio on fundings. There is also a need for more research equipment, particularly of the type that cannot be obtained by grant or contract funding. The administrative load has been increasing with the number of research contracts and personnel. Additional help may be needed in this category.

Hourly Employees - July 1965-June 1966

Allen, Kenneth E
 Anderson, Jane A
 Baca, A Frank
 Brett, Joseph D
 Buccheri, Frank
 Duffy, Luis D
 Fajusugbe, Joshua
 Gibson, Kenneth
 Goel, Yogeshwar Kumar
 Guevara, Iulio
 Halstead, Donald
 Hartman, Grover J
 Herrera, Louis E
 McBride, Philip R
 Morris, Donald E
 Mogharabi, Farzad
 Reynolds, John Jr
 Ruggles, Gordon C
 Smith, Burton J
 Snyder, Donald W
 Anderson, Theodore B
 Bower, Robert C
 Bronaugh, Tom
 Felton, Don
 Fullerton, Howard
 Hatler, Larry
 Hobson, Jerold
 Hobson, Richard
 Hunt, Harold
 Key, John
 McAdams, Tom

*Bussell, Clifford
 van Doren, Edmond
 Azmijo, Frederick
 Carr, John R
 Castonguay, John
 Delaney, Bernard
 DeRose, Clifford
 Dolan, Daniel
 Erickson, Lee
 Flewell, Jerome
 Hatler, Larry
 Howell, Pete
 Lopez, Theresa
 Jennings, Michael
 LeMaster, Arthur
 Mata, Manuel
 Olachea, Patrick
 Owaisi, Azharuddin
 Pena, James R
 Pike, Allan R
 Prager, Gary
 Quintana, Robert
 Rodgers, Thomas
 Rossi, Ronald
 Salahuddin, Syed
 Scanlon, J Michael
 Simpson, Gerald G
 Wiseberg, Richard
 Dixon, Lee Ann
 Lucas, Linn D
 Ray, Bobbie L

*Also worked on salary basis.

Hourly Employees (contd)

Sethi, Virendra	Romesberg, Laverne
Shah, R B	Stalano, Janet
Tudor, David	Shields, Janet
Tuttle, Bill	Vora, B V
Breslin, Joyce	Garfield, Duane R
*Wheeler, Carl L Jr	White, Harry L
Bennett, Carolyn	Hildner, Richard
Kelly, Leo M	Monserat, Javier
Morris, Verlene	*Wang, Wen
*Baker, James R	Duphorne, Marvin M
VanBlaricum, Clinton H	Lam, Leslie
Sheer, Doris	*Smith, Charlotte
Blough, John E	Arcache, Alfred S
Milligan, Michael W	O'Dell, Philip M

*Also worked on salary basis.

Salaried Employees - July 1965-June 1966

Baker, John G
 Baker, W E
 Bechtel, Richard
 Benham, Robert
 Boatwright, L T
 Bradshaw, Martin
 Brooks, Alan
 Browning, Richard
 Byatt, William J
 Cates, Harold
 Chao, Chin
 Cole, James K
 Davis, Goebel
 Doran, James
 Erteza, Ahmed
 Gorman, Vincent
 Grannemann, W W
 Ju, Frederick D
 Kang, In Ku
 King, Donald
 Lenhert, D H
 Pritchard, Robert
 Rao, K R
 Rink, Raymond
 Schnurr, Robert
 Takach, Steve
 Treat, C H
 Wang, Tom
 Williams, R
 Yao, James

Omid'varan, Cyrus
 Dove, R C
 Hakala, W W
 Kasiraj, I
 Albrecht, Bohumil
 Bacchus, Charles E
 *Bussell, Clifford
 Cottrell, M M
 Daly, Patrick
 *Wheeler, Carl
 Richards, Charles
 Gibson, Darryll
 Pittman, Joseph
 Everett, Willis L
 *Baker, James R
 Shi, Zin-tzai
 *Smith, Charlotte
 Wiesch, Joanne
 Kelly, Ruben
 Koschmann, Arnold
 Martinez, Jose
 Raburn, W
 Rhorer, Richard
 Rohani, Behzad
 Skoglund, V J
 Thorn, D C
 Wamhold, James
 *Wang, Wen
 Wildin, Maurice
 Lin, Chao-Hsuing

*Also worked on hourly basis.

Salaried Employees (contd)

Southward, H D
Buccheri, Joanne
Staiano, Edward
Hirsch, Hernan
Long, Robert
Erney, Tom
Petersen, Daniel
Maw, K M

Swain, George
Shadel, D
Feldman, Karl T
Hood, Jerry
Braasch, Richard
Karni, Schlomo
Yeh, Hsiang-Yueh

Research Contracts in Force - July 1965-June 1966

Research Contract	Project Supervisor	Contracting Agency	Title of Project	Amount
290-213	Williams	Navy	Submarine Communications by Electromagnetic Means	\$30,000.00*
290-306	Erteza	National Aeronautics & Space Administration	Study of Electromagnetic Scattering from Terrain with Particular Application to the Moon and Planets	\$32,180.00
290-353	Grannemann	National Aeronautics & Space Administration	High Intensity Magnetic Field Pulse Waveform Using a Switchable Superconducting Shield	\$31,000.00
290-415	Grannemann	Sandia	Study of Transient Radiation Effects on Semiconductor Devices	\$16,833.37
290-441	Martinez	Highway Dept.	Study of Flexible Pavements in New Mexico Phase I - Plasticity and Consolidation Characteristics of Bituminous Mixtures as Indicated by the Gyrotory Testing Machine	\$20,018.00
290-442	Ju	Air Force Office of Scientific Research	Investigation of Behavior of Metallic Material under Low-Cycle Dynamic Loading	\$33,484.00
290-485	Grannemann	AF Weapons Lab, Kirtland AFB	Laboratory Testing and Theoretical Studies in Microelectronics and Omnidirectional Radiation Effects	\$48,760.00

Research Contracts in Force (contd)

Research Contract	Project Supervisor	Contracting Agency	Title of Project	Amount
290-509	Ju	Sandia	Analog Study of Impact Fracture of Closed End Cylinders	\$28,360.00
290-483	Dove (Baker)	Holloman AFB	Rocket Sled Instrumentation	\$20,500.00
290-574	Thorn	AF Weapons Lab, Kirtland AFB	Investigation into Fuzing Problems	\$20,293.00
290-511	Castonguay	Sandia	Recover, Grade, and Visually Classify Graphite Particles Imbedded in Polystyrene Foam Blocks	\$16,658.00
290-513	Skoglund	Sandia	Numerical Analysis of Gas Dynamics	\$20,000.00
290-514	Hakala	Sandia	Study of the Effect of Target Material Upon Projectile Penetration	\$3,228.00
290-604	Wildin	Sandia	Heat Transfer and Temperature Distribution in Finned Radiators	\$17,966.74
290-606	Koschmann	Sandia	A Study of Adaptive Systems Using a Communication Theory Model of Self-Evaluation	\$14,041.50
290-601	Feldman	Sandia	The Mechanism Causing Heat Driven Pressure Oscillations in a Gas	\$10,921.00

Research Contracts in Force (contd)

Research Contract	Project Supervisor	Contracting Agency	Title of Project	Amount
290-483-10	Cottrell	Holloman AFB	Rocket Slad Instrumentation	(amount included with 290-483)
290-607	Erteza	Sandia	Study on Mathematical and Circuit Theory Aspects of Feedback Shift Register Generated Sequences	\$18,266.35
290-608	Grannemann	Sandia	Radiation Effects on Metal Oxide Silicon Structures	\$19,451.90
290-625	Grannemann	AF Weapons Lab, Kirtland AFB	Part I(a) Study of 14 MEV Neutron Damage Utilizing Silicon and Germanium Devices Part I(b) Laboratory Testing and Theoretical Studies in Micro-electronics and Solid State Devices	\$90,067.00
290-647	Thorn	AF Weapons Lab, Kirtland AFB	Investigation into Fuzing Problems	\$64,619.00
290-660	Dove	AF Weapons Lab, Kirtland AFB	The Investigation of Hypervelocity Impact on Cones and Their Association with Arming and Fuzing Problems	\$26,033.91
275-87	Yao	National Science Foundation	Safety Analysis of Statically Indeterminate Structures	\$20,400.00
275-93	Omid'varan	National Science Foundation	Investigation of Elastic Stability and Behavior of Latticed Beam-Columns	\$14,400.00

Research Contracts in Force (contd)

Research Contract	Project Supervisor	Contracting Agency	Title of Project	Amount
290-679	Houghton	Sandia	An Experimental Study of Thermophysical Properties of Heat Resistant Materials	\$12,926.00
290-609	Long	Sandia	An Investigation of the Theory and Methods of Modifying Fast Burst Reactor Pulse Characteristics by the Addition of Reflector Materials	\$6,600.00
290-682	Everett	Sandia	Transport Properties in Partially and Fully Ionized Plasmas	\$5,008.00
290-680	Castonguay	Sandia	Process the Polystyrene Foam Blocks Resulting from the Rover Post-Operational Destruct System Instrumentational Tests Performed at Sandia Corporation	\$19,526.00

*Total of \$149,663.80 authorized February 1964 to be spent over 2-1/2 year period.
Approximately \$30,000.00 appropriate to this fiscal year.

REPORTS PUBLISHED
June 1965 - June 1966

- EE-125 "Galvanomagnetic Effects and Related Phenomenon of Semiconductors and Dielectrics in a Radiation Environment," by Leroy C. Meyer and W. W. Grannemann, June 1965
- EE-126 "Penetration of VLF Propagating Modes into an Anisotropic Stratified Ionosphere and Into the Sea," by George R. Swain, August 1965
- EE-127 "A Proposed Doppler Simulator for Optical Frequencies," by Donald C. Thorn, August 1965
- EE-128 "Linear Antenna Symmetrically Driven with Respect to a Spherical Satellite," by R. H. Williams and T. N. C. Wang, September 1965
- EE-129 "Laboratory Testing and Theoretical Studies in Microelectronics and Omnidirectional Radiation Effects," by W. W. Grannemann, William J. Byatt, Harold C. Cates, Goebel Davis, Jr., Robert Schnurr, Leroy Meyer, and Raymond Gore, September 1965
- EE-130 "Semi-Annual Status Report (1 May 1965 to 31 October 1965)," by Ahmed Erteza, James A. Doran, Donald H. Lenhert, December 1965
- EE-131 "A Theoretical and Experimental Study of Low Voltage, High Current DC to AC Converters which use Either Magnetoresistors, Superconductors, Hall Effect Devices, or Thin-Film Devices," by R. Bechtel and W. W. Grannemann, December 1965
- EE-132 "Effects of Surface Randomness of Radar Backscatter from a Spherical Surface," by Donald H. Lenhert and Ahmed Erteza, May 1966
- EE-133 "Sequences from Nonlinear Shift Registers," by Richard Braasch and Ahmed Erteza, May 1966
- EE-134 "Transient Radiation Effects on Semiconductor Controlled Rectifiers," by Wilford Raburn, May 1966

REPORTS PUBLISHED (contd)

- ME-14 "Analog Study of Impact Fracture of Closed End Cylinders," by J. C. Wambold and F. D. Ju, June 1965
- ME-15 "Heat Transfer and Temperature Distribution in Finned Radiators," by Maurice W. Wildin, August 1965
- ME-16 "Preliminary Numerical Analysis of the Interaction of an Oblique Shock Wave and Laminar Boundary Layer - Part II," by Victor J. Skoglund and James K. Cole, August 1965
- ME-17 "Production and Measurement of a Dilatation Loading Field," by R. A. Benham and F. D. Ju, September 1965
- ME-18 "A Study of Heat Generated Pressure Oscillations in a Closed End Pipe," by K. T. Feldman, Jr., November 1965
- ME-19 "Final Report on Temperature and Stress Distributions Produced in Long Circular Cylinders Cooled by Emission of Thermal Radiation," by Robert S. Pritchard and Maurice W. Wildin, November 1965
- ME-20 "On Stable Fractures in a Uniaxial Stress Field," by Barry Shaffer, May 1966
- ME-21 "An Experimental Study of Fracture Under Reverse Shear," by Greg Baker, May 1966
- ME-22 "Measurement of Pressure and Velocity in a Heat Generated Acoustic Wave," by Hernan Hirsch, May 1966
- ME-23 "Numerical Analysis of the Interaction of an Oblique Shock Wave and a Laminar Boundary Layer," by Victor J. Skoglund and James K. Cole, May 1966
- CE-2 "Earth Resistance to Projectile Impact," by W. W. Hakala, June 1965
- CE-3 "Earth Resistance to Projectile Impact," by Rohani, August 1965
- CE-4 "The Effect of Height of Highway Fills on the Design of Culverts Phase I - Pressure Gage," by John B. Carney, Jr., February 1966
- CE-5 "Gyratory Testing of Pavement Materials Interim Report February 1 - August 31, 1965," by J. E. Martinez, B. J. Donham, W. L. Wang, June 1966

REPORTS PUBLISHED (contd)

- NE-2 "Materials Research Project," by Glenn A. Whan,
June 1965
- PR-63 "Adaptive Communication Systems," by A. H. Koschmann
and C. Chao, June 1965
- PR-64 "Methods for DC to AC Conversion," Semi-Annual Status
Report, by Richard Bechtel and W. W. Grannemann,
July 1965
- PR-65 "Final Report on Submarine Communications Research
(Contract None 2798(01)FBM)), " by R. H. Williams,
September 1965
- PR-66 "Investigation of Radar Echoes from the Moon and
Planets Using Methods and Data from Earth Radar-
Return Studies," Semi Annual Status Report (1
November 1965 to 30 April 1966), by Ahmed Erteza,
James A. Doran, and Donald H. Lenhert, May 1966
- PR-67 "An Experimental Study of Thermophysical Properties
of Heat-Resistant Materials," First Quarterly Prog-
ress Report by Arthur V. Houghton and Carl Wheeler,
June 1966

The Report of the Department of Chemical Engineering
July 1, 1965 - June 30, 1966
T. T. Castonguay, Chairman

I. A. - B. ACHIEVEMENTS, PLANS AND RECOMMENDATIONS

The academic year 1965-66 was most unusual in that it was one of almost complete reorganization. With the exception of the chairman, the department had an entirely new staff.

Three full time men were added to replace Drs. G. D. Bizzell and E. D. Oliver. They are: Associate Professor A. A. Armstrong, Ph D North Carolina State University; Assistant Professor K. E. Cox, Ph D, Montana University; Assistant Professor D. D. Phillips, Ph D., University of Minnesota.

Dr. Armstrong came from the textile research institute of North Carolina State where he was in charge of the radiation laboratory. Previously he had industrial experience as a research engineer with the Celanese and Celmatstrand Corporations.

Dr. Cox came from the engineering research division of the Dow Chemical Company's Western Division. He has also worked for City Service Petroleum Company in the research and development department.

Dr. Phillips' most recent employer was the Union Carbide Corporation, Olefins Division, Engineering Department. He had previous experience with Shell Oil Company and the American Zinc Company.

Dr. E. J. Nowak, Ph D. Princeton University, will join the faculty as an assistant professor in September, 1966. Dr. Nowak brings to the Department academic and research-engineering experience from Standard Oil of California and more recently the Esso Research and Engineering Company.

The varied academic and industrial experience together with the desirable age differential possessed by the present faculty should lead to a variety of opportunities and achievements in the Department's academic and research activities.

The department, fundamentally, has been most concerned with the students. They are the most important asset we have. College dropouts are usually a waste to themselves, to the college, and to society. It is necessary that the skills, the knowledge, the enthusiasm, the integrity, and the maturity that the student possesses be enriched so that new opportunities for making greater contributions to their profession will be realized. The outlook is promising for future growth and improvement. The long standing policy of treating each chemical engineering student as a distinct individual has been continued with the enthusiastic acceptance and cooperation of the new staff members.

The department has been extremely pleased with the reception and recognition that the graduates of the department have received from graduate schools and industry. It is worthy to note, as reported in Time Magazine for March 18, 1966, the following information: "Chemical Engineers moving from seventh place to third on the roster of most wanted skills, are being offered an average starting salary of \$673 - - higher than any other graduates." The graduates from the Chemical Engineering Department, UMN, averaged more than this amount last year and will be considerably above the average for this year. UMN graduates will more likely be in the \$730-50 range.

Twenty-three candidates for the degree Bachelor of Science in Chemical Engineering were listed in the 1966 commencement program - - a new high.

Three Master of Science Degrees were awarded.

These were:

Amin Zavosh - - M.S.Thesis, "Vapor Liquid Equilibria of the Isopropanol-Isopropylacetate-Water System"

George A. Winkler - - M.S.Thesis, "Conversion of Parahydrogen to Ortho-Hydrogen"

John D. Giesler - Plan II - no Thesis required

Throughout the year the department will continue its policy of working with the counselors of the Albuquerque school system. Participation in Career Days and Science Fairs will bring the Engineering College and Department to the attention of the junior and senior high school students. In hopes that the upward trend of enrollment will continue, the Department has mailed to prospective students and their parents over 300 letters concerning the college and the department and the opportunities at UNM.

The outlook is promising for future growth and improvement. The academic year 1965-66 marks the first time in the past two decades that the Chemical Engineering department has been staffed with more than a minimal number of employees to accomplish our objectives in the under graduate - graduate curriculum and research. The organization of the staff, teaching duties, the committee assignments and the building of research opportunities were very important parts of our effort during the past year. From the Research Allocations Committee funds were obtained for basic research in liquid ion exchange with mixed solvents. This basic beginning should lead to sponsored research in this field. Proposals to the Petroleum Research Division of the American Chemical Society for starter funds were applied for to begin important work in the petroleum field. Proposals were initiated for help in the updating of equipment in the laboratories.

The Sandia Project on plastic foams was continued this year enabling the Department to support between twenty and thirty undergraduates in work very important to their engineering training. As in former years, well paying jobs for the summer were obtained for the juniors and many of the sophomores in Chemical and Petroleum Industries. The Department feels that these assignments are very important to the young engineering student, adding maturity and practical experience to his training.

During the past year the department has also been the recipient of a number of gifts of material and equipment from such chemical companies as Celanese, Dow, El Paso Natural Gas and Shell Chemical.

Although the curriculum had not been changed, all the problems associated with newness, committee work and high teaching loads were graciously accepted by the new staff as part of their duties to enlarge our capabilities and to improve our competitive position in New Mexico.

Of special importance to the Department is the feeling that with the present administrative support we can look forward to accreditation without fear and trepidation for the first time in years.

Several of the undergraduates have been honored by election to Blue Key, Phi Kappa Phi and other honor societies of the University and Engineering College. More important recognition and awards have been:

M. H. Baker	Nobil Oil Company Scholarship in Chemical Engineering \$800
Harold R. Hunt	Universal Oil Products Company Scholarship in Chemical Engineering \$500 AIChE Scholarship Award
Syed Salahuddin	Honorable Mention - 1966 Essay Contest Sponsored by <u>The Asian Student</u>
Gerald Hobson	John E. Beck Memorial Scholarship Award \$250 per semester

T. D. Anderson, Jr. Harry and Mabel Leonard Scholarship
Award \$125 per semester

Larry Hatler Sandia Fund Scholarship - \$250.00

Election to Office:

A. I. Ch. E

Larry Hatler	President
Roy Blankley	Vice President
Harold Hunt	Treasurer
Ronald Rossi	Secretary

Engineer's Joint Council

Tom McAdams	Treasurer
David Baumgardner	Representative
John R. Carr	Representative

Industry has continued to support the department by offering the following scholarships:

Universal Oil Products Company Scholarship in Chemical Engineering - \$1000

Socony Mobil Scholarship in Chemical Engineering - \$1300

Shell Oil Company Scholarship in Chemical Engineering - \$250

Departmental interest in its graduates, as well as its undergraduates has been maintained throughout the years by the issue of a Christmas News Letter. This year's letter, Vol XVI, mailed to the departmental alumni on December 16, 1965, listed the addresses, activities and achievements of the more than 200 members who have received their training in the department since the first graduating class of 1948.

As of the present time a partial breakdown of our graduates in industry is as follows:

In Research and Development	30%
In Production	19%
In Top Management Positions	18%
Completed or Doing Graduate Work	17%

A project carried on by the students, which the department has supported heartily, is Engineering Open House held during Engineers week in Feb-

ruary. Hundreds of people have been attracted to this student affair and many outstanding student exhibits have been shown.

The undergraduate activities of a more social nature which have been a tradition throughout the years are:

1. The Annual Spaghetti Dinner prepared in the department with attendance last December of more than 150 people.
2. The Annual Spring Steak Fry and Picnic with more than 100 attending held at Doc Long's Picnic Grounds in the Sandias.
3. The Senior Dinner, given annually by the Department Chairman to the graduating senior class held this year at Bella Vista at Cedar Crest.

2. Curriculum

The rapid gains in science and technology in the last decade have placed increased demand upon the quality of our educational processes. It is imperative that our curriculum prepare our graduates to understand the latest developments and give them a sound foundation upon which to build future accomplishments. With this view in mind a critical review was made of the Chemical Engineering curriculum in order to make improvements to meet this objective.

The chemical engineer is required to have a good fundamental knowledge of the principles of material and energy balances, thermodynamics, kinetics, and transport theory (primarily heat, momentum and mass transfer). The material and energy balances are adequately presented in Ch E 251, 252, and 317; thermodynamics in Ch E 401 and 402; kinetics in Ch E 470; and transport theory in Ch E 411 and 412.

In order to handle calculations for the unit operations, reactor design and plant design, a thorough knowledge of applied mathematics is necessary. At present it is not possible to acquire this knowledge from the mathematics department without taking an excessive number of advanced courses for which there is not sufficient time in our curriculum. Therefore, this need is partially accomplished by our own department in Ch E 353.

The end products of most of our manufacturing industries are fabricated materials. The chemical industry is mainly concerned with the processing of raw materials, the manufacture of the basic chemical intermediates, and the production of the final materials used for the final fabrication. Hence, it is necessary that the chemical engineer have a thorough knowledge of material science. This knowledge is given in Ch E 362 but an additional course in materials science is necessary to adequately cover this field.

The most widely used processes in the chemical industry are heat transfer, fluid flow and the mass transfer separation processes. The theory of these courses is taught in Ch E 411, 412, and 413. The practical application of this theory is one of the more important jobs of the chemical engineer and is taught in a two semester laboratory: Ch E 414L and 415L. The equipment and the experiments for this laboratory are being updated, to include automatic control and, if possible, the technique of computer control. These modifications will require considerable effort on the part of the staff and additional funds for modernization and replacement of equipment.

One of the most common faults found in the work of the graduates is poor oral and written communications. Training in oral communications is given in oral presentations in Ch E 251 and 252 and in presenting four talks in the chemical engineering seminar: Ch E 451 and 452. The student is introduced to formal report writing in Chemical Engineering projects, Ch E 481 and 482 and this training continues through the formal reports required for Unit Operations Laboratory, Ch E 414L and 415L. At the end of the senior year the students have a good foundation in oral and written communications.

The two courses in which the student has a chance to express his creative ability are Chemical Engineering Projects, Ch E 481 and 482 and Chemical Engineering Design, Ch E 494L. In Chemical Engineering Projects the student is given a small research project. He makes a literature survey, builds the apparatus, obtains the experimental data and writes a formal report on the progress of the research project. In Chemical Engineering Design, the student makes a complete economic evaluation and process design of an entire chemical operation. This gives the student practice in using all the fundamentals developed over his four years in chemical engineering. He also writes a formal report of this design.

The availability of high speed computers has had the greatest effect upon the chemical industry. In the modern chemical plant (company or industry) all of the bookkeeping, accounting, inventory control, production control, etc. is accomplished by the use of computers. Many of the newer chemical plants are being designed with computer control. Therefore, it is imperative that we teach our students the use of computers for applications in the chemical industry.

The present freshmen are being introduced to computers in CE 102L. Continued use of computers will be made in the sophomore, junior and senior chemical engineering courses by solving some of the problems by use of the computer. The Chemical Engineering Design course will offer the best opportunity for using the computer for all the calculations necessary for the chemical process design.

Since most process design is based on the most economical design, the chemical engineer should have a clear understanding of the value of money. In our curriculum two courses in economics are given: one by the economics department, EC 200 and one by the Chemical Engineering department, Ch E 472.

This gives the student the basic principles of economics plus the applications to economic chemical engineering design.

The chemical engineer has been given a very broad training in most aspects of the chemical industry. This enables him to see very clearly the whole operation as a complete system. (The latest fad is to call this systems analysis which is not new to the chemical engineer.) The use of high speed computers has made it possible to tie in all aspects of an operation (system) and obtain almost instantaneous data on all functions. To give the student training in complete systems analysis and design, Ch E 494L will be taught from the systems approach. In order to prepare the student properly for this course, it will be necessary to move the Unit Operations courses and laboratories forward one semester. In this manner the student will have the necessary background to pursue this course.

Moving the Units Operations courses and laboratories forward one semester will also serve another purpose. At the end of the junior year the students will be far enough advanced to understand the unit operations. On his summer job the student will be able to handle a higher job and obtain more valuable experience.

3. Facilities

The Chemical Engineering Department welcomes the recent addition of an IBM-360 Model 40 digital computer to the Research Center. It is felt that this computer will help substantially in modernizing the approach used in many of the department's courses. Most industrial firms have computers which are at least as powerful as the University's machine, and hence, it is of great value for the students to have some experience with such a tool before embarking on their careers.

4. Graduate School

Courses acceptable for graduate credit are in process of revision.

Presently there are 5 M.S. candidates and six other individuals taking graduate work in Chemical Engineering. The addition of three graduate assistantships for the department has greatly helped our contract research efforts and will materially help in the graduate program.

5. Research

The addition of a fifth man to the staff next year will reduce teaching loads to the point that serious efforts can be made to obtain research contracts from industrial companies, government agencies and non-profit institutions.

Our undergraduate program involves supervised research. Undergraduate students have assisted materially throughout the year in our "Academic Research" endeavors on the following projects.

1. Concentration and Reduction of Oolitic Iron Ores(NM)
2. Oxidation and Hydrogenation Studies on New Mexico Coals
3. Demineralization of Brackish Water
4. Water Renovation and Detergents
5. Stabilization of Adobe Brick
6. Vaporization of Metals
7. Uses of Petroleum Products in Arid Land Improvement

Of special interest to the department research program is the demineralization of brackish water, the reduction of Oolitic Iron Ores, and the huge deposits of low-grade coal in New Mexico. Work has been done in these areas and more will be done as facilities become available.

C. Faculty

The staff at the end of the school year, June, 1966 consisted of T. T. Castonguay, Ph D, Professor and Chairman; A. A. Armstrong, Jr., Ph D, Associate Professor; K. E. Cox, Ph D, Assistant Professor, and D. D. Phillips, Ph D, Assistant Professor.

II

1. Publications

A. A. Armstrong, Jr.

- A. Armstrong, A. A., Jr. and Stannett, V. "Temperature Effects During the Sorption and Desorption of Water Vapor in High Polymers, E. Fibers with Particular Reference to Wool", Die Makromolekulare Chemie, Band 90, Seite 145-160, 1966
- B. A.A.Armstrong, Jr., Book Review of "Chemical Reactions of Polymers," by E. M.Fettes, Interscience, 1964", Nuclear Applications, Vol 1, No. 4, P. 381, August, 1965
- C. Armstrong, Arthur A., Jr., and Walsh, W.K. "Radiation Induced Oxidation of Hydrocarbons," TID-4500, 47th Ed., ORO-634 Chemistry, July 15, 1965, 36 pages

B. T. T. Castonguay

- A. "Effect of Gamma-Radiation on the Dynamic Properties of Styrene-Butadiene Rubber," R.K.Traeger & T. T. Castonguay, Journal of Applied Polymer Science, Vol 10, No. 3, March pp 491-509 (1966)
- B. "Effect of Gamma Radiation on the Dynamic Mechanical Properties of Silicon Rubbers," R.K.Traeger & T. T. Castonguay, Journal of Applied Polymer Science, Vol. 10, No. 4, April, pp 535-550, 1966
- C. Development Report on Rover Destruct Tests, T.T.Castonguay, T.B.Anderson, R.C.Bower, Sandia Corporation, SC-DC-65-1758, pp. 1-238, December, 1965.

2. Other Research Projects

T. T. Castonguay

- A. Research completed: Sandia Research Project, \$16,658.60, Operational Destructive System Instrumentation Tests - April-May, 1965
- B. In Progress: Sandia Research Project, \$19,525.40, Rover Post-Operational Destruct System Instrumentation Tests, April-Dec., 1966
- C. Soil Stabilization with asphaltic Emulsions and/or Cement
- D. Water Renovation & Detergents
- E. Metallic Coatings of Plastics (Metal Vaporization)
- F. Direct Reduction of New Mexico's Colithic Iron Oxides Ores
- G. Beneficiation of New Mexico's Colithic Iron Oxides Ores

3. Activities

T. T. Castonguay

- A. Member, National Research Committee, Amer. Institute of Chemical Engineers
- B. Member, Executive Board, American Chemical Society, Central New Mexico Section
- C. Chairman, Hospitality Committee, Amer. Chem. Society, Central New Mexico Section
- D. Member, North Central Asso. Evaluation Team for Secondary Schools
- E. Active in local and national chapters of American Chem. Society, A.I.Ch E., A.S.E.E., National Society of Professional Engineers
- F. National Meetings Attended: Annual Meeting of Amer. Institute of Chem. Engineers, Philadelphia, Dec. 4-12, 1965

Arthur A. Armstrong, Jr.

- A. Attended AFMU-NRIS Technical Orientation Conference, October 23 - 27, 1965, Idaho Falls, Idaho
- B. Joined American Society of Engineering Education
- C. Visited Sandia Corporation, March, 1966
- D. Visited NRIS, Idaho Falls, Idaho, January, 1966

Kenneth Edward Cox

- A. Program Committee Member, Central New Mex. Section, American Chemical Society
- B. Student Field Trip (5 days visiting Chemical Plants in Texas Panhandle)
- C. Judge, New Mexico State Science Fair, Socorro

Douglas D. Phillips

- A. Student Field Trip (5 days visiting Chemical Plants in Texas Panhandle)
- B. Visited NRIS, Idaho Falls, Idaho, January, 1966
- C. Visited Sandia Corporation, March, 1966

4. Other Professional Activities

T. T. Castonguay

- A. Career Day & Guidance Seminar, Jr & Sr. High Schools
- B. Idaho Falls, Idaho, Jan. 31-Feb. 1, 1966
- C. Sandia Corporation, Mar. 16-17, 1966
- D. Edwards Air Force Base, Feb. 7-9, 1966
- E. Dept. Field Trip, Borger-Pampa Area, Oct. 27-31, 1965

A.A. Armstrong, Jr.

- A. Completed consultation services in Nov. 1965 on "Diffusion in High Polymers" for the Dreyfus Laboratory, Research Triangle Institute, Durham, N.C.

5. Non-Teaching University Service

T. T. Castonguay

- A. Engineering Administrative Committee
- B. Engineering Doctorate Committee
- C. University Policy Committee
- D. Freshman advisor
- E. Departmental advisor (seniors)

A. A. Armstrong, Jr.

- A. College of Engineering Library Committee
- B. Advisor to Ch E Juniors
- C. Advisor on Ch E for High School Visitation Day

K. E. Cox

- A. Faculty Advisor, Student Chapter American Institute of Chemical Engineers
- B. Freshman advisor

D. D. Phillips

- A. Department evaluation work for students
- B. Freshman and Sophomore advisor
- C. Scheduling of classes
- D. Advisor on Ch E for High School Visitation Day

6. Public Service

T. T. Castonguay

- A. Aquinas Newman Center
- B. Newman Forum
- C. Serra Club
- D. University Religious Advisors Group
- E. Friends of University of New Mexico Libraries

A. A. Armstrong, Jr.

- A. Judge at State Science Fair, Socorro, N.Mex.,

THE REPORT OF
THE DEPARTMENT OF CIVIL ENGINEERING
July 1, 1965 - June 30, 1966
C. L. Hulsebos, Chairman

I. GENERAL DEPARTMENTAL INFORMATION

A. Significant Achievements During the Academic Year 1965-66

1. Student Enrollment and Degrees Granted

Enrollments

	<u>Semester I</u>	<u>Semester II</u>
Sophomores	37	36
Juniors	36	36
Seniors	26	30
Graduate Students		
M.S.	39	39
Ph.D.	<u>16</u>	<u>15</u>
	154	156

Degrees Granted:

B.S.	
August 1965	1
February 1966	3
June 1966	<u>13</u>
Total	17

M.S.	
February 1966	3
June 1966	<u>9</u>
Total	12

Ph.D.	
June 1966	1

The undergraduate degrees awarded during this year are somewhat below the number of previous years. This decrease will be offset by the larger than usual numbers expected to complete the requirements during the

Summer and Fall terms. The current enrollments in the sophomore and junior years indicate that we are continuing our gradual increase in the number of B.S. Degrees earned in this Department.

The Graduate program continues to grow. In the Fall Semester, 1965-66, the graduate enrollment was 55; in the Spring Semester it was 54. The number of full time students has increased to 19. The first doctoral candidate to complete the requirements for the Ph.D. in Civil Engineering will have the degree conferred in June 1966.

2. Curriculum Changes

No major changes were made in the departmental courses required for a B.S. Degree in Civil Engineering. Two new courses were added to the catalog which can be used as undergraduate electives and can be taken for credit by graduate students. The course, CE420 "Plastic Design of Framed Structures" will permit the student to become familiar with recent developments in structural design. This method may ultimately replace what might be classed as conventional methods of design. The second course, CE463, "Intermediate Soil Mechanics" will make available to undergraduates advanced material in this field. Until this change, this advanced material was taught in a course available

only to graduate students, CE560.

With the addition of the new 400 level course in Soil Mechanics, the existing course, CE560, "Advanced Soil Mechanics" has been upgraded and now includes selected topics in advanced soil mechanics. The course, CE434, "Hydraulic Structures" was upgraded and renumbered to CE536 and consequently requires a graduate course, CE535 "Open Channel Hydraulics" as a prerequisite. A new course, CE640, "Soil Dynamics" has been added to consider the behavior of soil when subjected to dynamic loads. Our relationship with the Eric H. Wang Civil Engineering Research Facility gives us an opportunity to be a leader in this field.

3. Conferences

The Third Paving Conference held at the University of New Mexico on December 9-10, 1965 was presented by the Department of Civil Engineering in association with the New Mexico Highway Department, Portland Cement Association, and the Asphalt Institute. A total of 240 individuals registered for the conference and a very successful meeting resulted. The Advisory Committee for the conference has encouraged us to hold the conference annually and we are making such plans for the 1966-67 year.

A Precast Concrete Conference was held at the University of New Mexico on February 18, 1966 which was presented by the Department of Civil Engineering in association with the Department of Architecture and the Portland Cement Association. The program was well received by the participants and it was felt that a program such as this in the structural engineering field should be presented each year.

Conferences such as the two described above can make significant contributions in the area of continuing education for the engineers of this area. We are planning for expanded activity by the Department in development of conferences of interest and value to the people of the State of New Mexico.

4. Summer Institutes

The National Science Foundation has granted \$55,720 for support of a Summer Institute in Probabilistic and Solid Mechanics for 1966. In addition the Sandia Corporation has granted \$2,000 toward the cost of visiting seminar speakers for the program. The institute is under the direction of Professor M. M. Cottrell. The faculty consists of Drs. J. T. P. Yao of the University of New Mexico,

Stephen H. Crandall of Massachusetts Institute of Technology, Y. K. Lin of the University of Illinois, and A. M. Freudenthal and M. Shinozuka of Columbia University. In addition distinguished internationally known engineers such as Dr. Frank A. McClintock and Dr. J. P. Den Hartog of M I T, Dr. Julius Bendat of Measurement Analysis Corporation, Dr. Frank Kozin, Purdue University, and Dr. Ray Clough of the University of California, will speak to the institute at various times. The 29 participants are from 24 different universities in the United States, Canada and Ireland.

5. Student Activity

The Student Chapter of the American Society of Civil Engineers held monthly meetings with guest speakers. Students participated in activities of the New Mexico Section of ASCE, and were also active in providing an outstanding exhibit for the Engineering Open House. An inspection trip was made to the San Juan-Chama Project in northern New Mexico.

6. Student Achievements

A paper presented by Mr. Stephen C. Mitchell at the joint meeting of the El Paso Branch, Texas Section and the New Mexico Section of the American Society of Civil Engineers held at El Paso on October 16, 1965

won first prize in competition with students from the Rio Grande Conference of Student Chapters of the American Society of Civil Engineers.

Mr. Randall R. Wooley won the Hamilton Watch Award given to a graduating senior in Engineering.

Mr. Wooley was awarded the "Outstanding Civil Engineering Senior Award" presented by the New Mexico Section of the American Society of Civil Engineers.

Sigma Tau, national engineering honorary, elected William Brown, James Collins, Alfredo Gomez, Arthur Guthrie, Rafael Romero to membership.

Chi Epsilon, national Civil Engineering honorary, elected Victor Adagunleye, William Brown, James Collins, Glenn Foster, Alfredo Gomez, Arthur Guthrie, Richard Karl, Golden Lane, Philip O'Dell, Gordon Ruggles, Joseph Wexler to membership.

Mr. Robert O. McNeil and Mr. Jose E. Martinez were recipients of the Rust Tractor Company Scholarships.

Mr. James R. Baker was the recipient of a NSF Graduate Traineeship, Mr. Joseph Wexler was the recipient of the Ideal Cement Fellowship, and Charles E. Bacchus received a University Fellowship.

7. Rental Funds

The Department collected \$4,641.21 rental fees from the rental of surveying equipment. This equipment is rented when not needed for instructional purposes. Receipts are placed in a special agency account (290-6) and used for departmental purposes such as modifications to the building, rental of bus for student trips, staff travel, and purchase and repair of surveying and other equipment.

The Department collected \$288.00 rental fees from the rental of drawing equipment. This equipment is rented to those students in Engineering Graphics and Drafting who do not wish to buy their own equipment. Receipts are placed in Account No. 290-21 and used to buy additional equipment as required for the conduct of the courses in graphics and drafting.

8. Research and Academic Grants

<u>Sponsor</u>	<u>Title</u>	<u>Length of Time</u>	<u>Amount</u>	<u>Director</u>
NSF & Sandia Corp.	Summer Institute in Probabilistic Structural Mechanics	6/65 - 8/65	54,000	M. M. Cottrell
NSF	Investigation of Elastic Stability & Behavior of Latticed Beam-Columns	2/66 - 8/67	14,448	C. Omid'varan
NSF	Safety Analysis of Statically Indeter- minate Structures	9/65 - 9/67	40,812	J. T. P. Yao
U.S. Air Force Missile Development Center	Studies & Development for Improved Rocket Sled Instrumentation	2/66 - 1/67	23,075	M. M. Cottrell
NSF & Sandia Corp.	Summer Institute in Probabilistic & Solid Mechanics	6/66 - 8/66	57,720	M. M. Cottrell
N. M. Highway Comm. & Bureau of Public Roads	Gyratory Testing of Pavement Materials	2/65 - 8/65	16,615	J. E. Martinez

B. PLANS AND RECOMMENDATIONS

1. Faculty

The teaching loads for those involved in graduate and upper level undergraduate courses have been too heavy. To help relieve this situation, two new positions for the department were approved. One of these positions has been filled with an Assistant Professor with interests in the structural area. The new man, Roy L. Johnson, has considerable design experience, as well as a Ph.D., and should add materially to our program in this area. The second position was filled by an Assistant Professor, Calvin C. Patterson, who has interests in the Water Resources and Sanitary Engineering Areas. This addition will permit needed expansion in the undergraduate elective and graduate course area to meet the increasing demand for work in the areas of Water Resources and Sanitary Engineering. Since additional courses are likely to be offered, and since Professor Martinez will be on sabbatical during Semester I, only limited relief from the heavy teaching loads will result.

The faculty of the department should have additional funds available to provide a greater opportunity to attend technical meetings in their field. Our faculty would consequently have the opportunity to become acquainted with leaders in their field and in

this process our own capabilities would become better known.

This activity would also be an aid in recruiting good graduate students to fill our graduate assistant positions as well as available scholarships and fellowships.

2. Equipment

The Department must have additional equipment available for both undergraduate and graduate students if we are to maintain and develop an up-to-date curriculum in Civil Engineering.

In an attempt to achieve our goals in the undergraduate instruction program we submitted a proposal to NSF for funds to purchase \$30,000 worth of equipment to be used primarily in the undergraduate program. We were unsuccessful with this proposal. In a discussion with the NSF Director of this program, an indication was given that one principal reason for denial was the fact that we were requesting some equipment which should already be in use in the department. This implies a lack of support in the past at the local level and caused our proposal to receive a rating too low to be funded even though it was given a meritorious rating. We have made some progress this year with University funds in filling gaps in our equipment requirements but more funds are

necessary. We plan to write equipment proposals to NSF again next year.

Equipment available for research in the Department is essentially non-existent. Something must be done to remedy this situation if we are to satisfy the needs of the graduate students and faculty in the Department. A proposal was submitted to NSF for funds to purchase equipment for a structural research laboratory. We obtained partial funding from NSF and the University generously matched the grant on a three to one basis to permit us to purchase some essential items to start our work. We are submitting a second proposal to NSF on a non-matching basis for funds to purchase items to more adequately equip the laboratory since many of the requested items in the earlier proposal had to be eliminated due to lack of funds.

A Pace TR-20 analog computer (basic group) has been purchased. Since the original purchase several additional components (multiplier, additional potentiometers) have been obtained so that a wider range of problems can be solved. Considerable additional expansion of this equipment will be necessary in the near future as the analog computer is rapidly becoming as basic to Civil Engineering curricula as the digital computer.

3. Library

The holdings in the University Library relevant to graduate study and research as well as undergraduate study continued to grow significantly. We have acquired a strong collection in structural mechanics, soil mechanics, and related areas. We need considerable acquisition in the areas of water resources, sanitary engineering, and transportation in order to support significant graduate study and research in these areas.

C. APPOINTMENTS TO STAFF

1. Full-time

Dr. C. L. Hulshes - Professor and Chairman,
effective September, 1965

Miss Barbara Morgan - Secretary, effective
September, 1965

2. Part-time and temporary

Mr. Warren Baker - Lecturer, Semester I.

Mr. Donald L. Campbell - Graduate Assistant,
both semesters.

Mr. Farook Y. Chaudhivala - Graduate Assistant,
both semesters.

Mr. Larry D. Cline - Graduate Assistant, both
semesters.

Mr. Amitava Ghose - Graduate Assistant,
Semester II

Mr. R. D. Hoagland - Instructor, both
semesters.

Mr. Iyaduarai Kasiraj - Graduate Assistant,
Semester I.

Dr. W. C. Lyons - Adjunct Professor, Semester II

Mr. Zin-Tzai Shi - Graduate Assistant, both
semesters.

Mr. W. J. van der Meer - Instructor, Semester II.

Mr. Wen L. Wang - Graduate Assistant, both semesters.

D. SEPARATIONS FROM STAFF

None

II. COMPOSITE OF INFORMATION ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

1. Advanced Study

NAKALA, W. W.

Ph.D. June 1965, Virginia Polytechnic Institute

HONGLAND, RICHARD D.

Completed all requirements except thesis for Ph.D.
from UTM (Mechanical Engineering)

MARTINEZ, J. E.

I will attend NSF Summer Institute on Water
Resources, Utah State University, beginning
June 20, 1966

BEOMBERG, EDWARD J.

Attended Summer Conference on Plastic Design on
Multi-Story Frames at Lehigh University.

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

COTTRELL, H. H.

Visiting Lecturer, University of California,
Berkeley. Second Summer Session 1965

EULSEOS, CORNIE L.

Attended: Regional Conference of Civil
Engineering Department Chairmen; Norman,
Oklahoma; February 2-3, 1966.
ARMY-NRAC Technical Orientation Conference;
Idaho Falls, Idaho; October 24-27, 1965.

ONIZ'VARAK, CYRUS

The summer of 1965 was spent in San Francisco
doing consulting.

3. New Scholastic Honors, Fellowships, Etc.

YAO, JAMES T. P.

Member Sigma Xi

4. Publications

YAKALA, W. W.

Ph.D. Dissertation: "Resistance of a Granular Medium to Normal Impact of a Rigid Projectile".

HULSEBO, CORNIE L.

"Probable Fatigue Life of Plain Concrete with Stress Gradient", Journal, American Concrete Institute, Proceedings V. 63, No. 1, January 1966, pp. 59-81. (co-author F. S. Ople).

"Fatigue Properties of Prestressing Strand", Journal, Prestressed Concrete Institute, Vol. 11, No. 1, February 1966, pp. 32-52. (co-author R. F. Warner).

"Probable Fatigue Life of Prestressed Concrete Beams", Journal, Prestressed Concrete Institute, Vol. 11, No. 2, April 1966, pp. 16-39. (co-author R. F. Warner).

MARTINEZ, J. E.

Proceedings of Third Paving Conference, The University of New Mexico

FRIZADAFILIDIS, GEORGE E.

"The Dynamic Response of Continuous Footings Supported on Cohesive Soils", 6th International Conference on Soil Mechanics and Foundation Engineering, Montreal, Canada, September 1965, 4 pp.

"A Method of Producing Long Duration Air Induced Ground Shock Using High Explosives", 35th Symposium on Shock and Vibration, New Orleans, La., October 1965, pp. 48

"Structural Response of a Hardened UHF Antenna", WLETC-66-045, May 1966 (SECRET) pp. 140.

YAO, JAMES T. P.

"On the Two-Sided Time-Dependent Barrier Problem" Technical Report No. 21, Institute for the Study of Fatigue and Reliability, Columbia University, N.Y., June 1965 (Co-author M. Shinozuka).

"On the Reliability of Redundant Structures", presented at the 6th International Symposium on Space Technology and Science, December 1965, Tokyo, Japan (co-author: M. Shinozuka and A. Hishimuza). To be published.

ZWOTER, EUGENE

"A Method of Producing Long-Duration Air-Induced Ground Shock", the Shock and Vibration Bulletin Bulletin 35, Part 6, February 1966. (With co-authors George Triandafilidis and James Stras).

"Research and the University", Proceedings of Third Paving Conference, UMI, December 1965.

5. Other Research Projects

ABBOTT, WARD T.

Continuing work on a theory based on the existence of a "Fundamental Particle".

COTTRILL, M. M.

Research Contract, U. S. Air Force Missile Development Center, Studies and Development for Improved Rocket Sled Instrumentation, \$23,075. February 1, 1966-January 31, 1967.

HARTINEZ, JOSE E.

Research Project: "Cyratory Testing of Pavement Materials", sponsored by Bureau of Public Roads and New Mexico Highway Commission, \$16,615.37, February - August 1965.

OMID'VARAN, CYRUS

"Elastic Stability of Latticed Beam Columns",
National Science Foundation, \$14,400.
February 1966 through August 1967

Research Allocation Committee provided
\$390 for preliminary research on Mechanics of
Partially Discrete Structures during spring
semester 1965 (completed.)

RHOMBERG, EDWARD J.

Principal investigator on study of the shear
strength of deep reinforced concrete slabs at the
Civil Engineering Research Center.

TRIANDAFILIDIS, GEORGE E.

Research in the following areas is sponsored by
the Air Force and is carried out at the Eric H.
Wang Civil Engineering Research Facility operated
by the University of New Mexico. Technical
reports, M.S. and Ph.D. dissertations as well as
technical papers have been submitted in the past
and further work is in progress:
Wave Propagation in Earth Materials
Dynamic Soil Properties
Soil-Structure Interaction
Simulation of Air Induced Ground Shock

YAO, JAMES T. P.

NSF Research Grant GP-597, \$40,800. Safety
Analysis of Statically Indeterminate Structures,
2 years.

SWOYER, EUGENE

Operation of Eric H. Wang Civil Engineering
Research Facility Sponsored by Air Force Weapons
Laboratory - Annual Budget of about \$1,250,00.
Continuing Effort.

6. Activities in Learned and Professional Societies

CARNEY, JOHN B., JR.

ASCE Meeting - El Paso, October 1965

COTTRELL, M. M.

Attended International Conference on Dynamic Stability, Northwestern University, October 18-20, 1965

HULSBOS, CORNIE L.

Highway Research Board Meeting, Washington, D. C. January 17-21, 1966, Member of Committee D-C3 and DC-5. UHM Highway Research Board Liaison Representative.

Highway Engineering Conference, New Mexico State University, April 14-15, 1966

ASCE Water Resources Engineering Conference, Denver, Colorado, May 16-19, 1966

Annual American Society for Engineering Education Meeting, Pullman, Washington, June 21-23, 1966.

HUZARSKI, RICHARD G.

Chairman of an award committee, ASCE (Southwest)

MARTINEZ, J. E.

Attended Governor's Conference on Environmental Health, Albuquerque, March 1966

Attended ASCE Conference on Water Resources, Denver, Colo., May 1966

MAY, MARVIN CLARK

Presented paper at 12th Annual Highway Engineering Conference at Las Cruces.

Attended California Traffic & Highway Conference at Berkeley.

Presented a paper at New Mexico Section ASCE

OMID'VARAN, CYRUS

Attended a local conference for structural steel design sponsored by AISC.

RHOMBERG, EDWARD J.

Member, Board of Directors, Albuquerque Branch of the American Society of Civil Engineers

TRIANDAFILIDIS, GEORGE E.

Sixth International Conference on Soil Mechanics and Foundation Engineering, Montreal, Canada, September 1965. Presented paper "The Dynamic Response of Continuous Footings Supported on Cohesive Soils".

YAO, JAMES T. P.

ASTM Committee E-9 on Fatigue, attended Committee Week Meeting in Washington, D. C., January 31 - February 1, 1966.

Chairman, Students Award Committee, Rocky Mountain District

ASCE - Member

ZWOYER, EUGENE

"A Method of Producing Long-Duration Air-Induced Ground Shock", A paper presented to the 35th Shock and Vibration Symposium in New Orleans, La., October 1965.

"Dynamic Strength of Plain Concrete", A paper presented to the 62nd Annual Convention of American Concrete Institute, Philadelphia, March 1966

Secretary of Steering Committee for International Symposium on Soil Dynamics.

7. Other Professional Activities

COTTRELL, M. M.

Director, NSF Summer Institute for College Teachers in Probabilistic and Structural Mechanics, Summer 1965, \$50,000. grant from NSF, \$4,000. from Sandia Corporation.

Director, NSF Summer Institute for College Teachers Summer 1966, \$54,000. grant from NSF \$2,000. from Sandia Corporation

Panelist, NSF Evaluation Panel, Chicago, February 10-11, 1966. Review proposals for NSF Undergraduate Scientific Education Program

Reviewed manuscript for McGraw-Hill Book Co., for proposed text in Materials Science.

HUZARSKI, RICHARD G.

Two off-campus talks, several consultancies

MAY, MARVIN CLARK

Consultant on alignment of 5,000 foot super-sonic sled track

OMID'VARAN, CYRUS

Participated in the Structural Design of the San Francisco Rapid Transit System during the Summer of 1965.

RHOMBERG, EDWARD J.

Several small consulting jobs.

TRIANDAFILIDIS, GEORGE E.

Consulting work in Soil Mechanics and Foundation Engineering

YAO, JAMES T. P.

Served on Ad Hoc Advisory Panel to review Research Initiation Proposals for the National Science Foundation, Washington, D. C., January 27-28, 1966.

ZWOYER, EUGENE

Engineering as a Profession - an address to N.M.
Society of Professional Engineers, November 18,
1965.

Research and the University - an address to Third
Paving Conference, UNM, December 9-10, 1965.

Numerous consultancies

8. Non-teaching University Service

ABBOTT, WARD T.

Faculty advisor (University College),
Member of UNM Registration Committee,
Member of Freshman Advisory Committee (College of
Engineering).

CARNEY, JOHN B., JR.

Faculty Advisor - Student Chapter ASCE
Curricula Committee - University

COTTRELL, M. M.

Chairman, University Library Committee,
Departmental Graduate Advisor,
Member, Engineering Doctoral Committee

GAFFORD, WILLIAM R.

Special Advisor, University College,
Entrance & Credits Committee,
Various College Committees

HAKALA, W. W.

Freshman Committee

HULSBOS, CORNIE L.

Chairman, Department of Civil Engineering

HUZARSKI, RICHARD G.

Publications committee,
Freshman advisory committee

MARTINEZ, J. E.

C. E. Department Curriculum Committee,
Engineering College Schedule Committee,
Faculty Advisor to Inter-Varsity Christian
Fellowship

MAY, MARVIN CLARK

Master Plan Committee,
Academic Freedom and Tenure Committee,
Managed Survey Rental Fund,
Technical Assistant to Administration on
planning zoning matters.

OMID'VARAN, CYRUS

College Mechanics Committee,
Faculty Advisor to Baha'i Student Association

RHOMBERG, EDWARD J.

University-Registration Committee
C. E. Department Curriculum & Doctoral-
Intermediate Exam Committee

TRIANDAFILIDIS, GEORGE E.

Organizing a Research Symposium at URM on "Wave
Propagation in Earth Materials", in co-sponsorship
with ASCE and possible NSF.

YAO, JAMES T. P.

Coordinator of M.S. Comprehensive Exams (C.E.)

9. Public Service

ABBOTT, WARD T.

Member, Armed Forces Advisory Committee

COTTRELL, M. M.

Troop Committeeman, Boy Scout Troop 393,
Chairman, Official Board, Christ Methodist Church,
Vice Chairman, Chairman, Board of Trustees, Wesley
Foundation, URM
Teach an adult class in church school.

GAFFORD, WILLIAM R.

President, Montgomery Elementary School Parent-
Teachers Association
Vestry (Jr. Warden), St. Matthew's Episcopal Church

HULSBOS, CORNIE L.

Member, First Presbyterian Church

HUZARSKI, RICHARD G.

Community Chest

MARTINEZ, J. E.

Sunday School Teacher and Church Secretary-
Treasurer, First Assembly of God Church

MAY, MARVIN CLARK

President and Chairman of the Board of Directors
of the Albuquerque Metropolitan Flood Control
Authority,
Vice President of the Citizens Transportation
Committee.

ZWOYER, EUGENE

United Community Fund Committee

THE REPORT OF THE DEPARTMENT OF ELECTRICAL ENGINEERING
 July 1, 1965 - June 30, 1966
 A. H. Koschmann, Chairman

I. GENERAL DEPARTMENTAL INFORMATION

A. Significant Achievements During Academic Year 1965-66

a. Enrollment Summaries

Undergraduate

	<u>Semester I</u>		<u>Semester II</u>	
	64-65	65-66	64-65	65-66
Sophomores	87	79	79	86
Juniors	90	85	74	86
Seniors	69	59	76	55
Totals	246	223	229	227

Graduate

	<u>Semester I</u>		<u>Semester II</u>	
	64-65	65-66	64-65	65-66
M.S.	104	106	104	85
Sc.D.	61	36	55 (Ph.D.)	50
Off Campus	62	27	26	20
Totals	227	169	185	155

Degrees Awarded

	<u>62-63</u>	<u>63-64</u>	<u>64-65</u>	<u>65-66</u>
B.S.	41	38	73	53
M.S.	40	58	58	33
Sc.D.	5	4	3 (PhD)	10

The overall undergraduate enrollment remained relatively unchanged, reflecting a significantly smaller senior class, with compensating increases in the sophomore and junior classes. In the face of the uncertainties caused by the threat of the draft and possible increases in returning veterans, it is impossible to predict any trends for the next few years.

Examination of graduate enrollments would seem to indicate that we are experiencing a shift in emphasis from the M.S. program to the Ph.D. The drop in M.S. enrollments is due in part to a decrease in the number of M.S. candidates in the Sandia Technical Development Program. The new record of 10 doctorates completed in this department represents something of a fluctuation peak, but is probably representative of the level of doctoral work which this department will reach in the next few years.

b. Progress in the Undergraduate Program

This past year did not see many major changes in the undergraduate program. A required course in solid state devices has been added to the curriculum, reflecting the growing importance of this new area in electrical engineering. Continued effort was devoted to improvement of the undergraduate laboratories.

The effort to use new educational techniques has been expanded during this past year. Under the direction of Prof. Thorn, EE 202, Basic Circuit Theory, was presented via TV on Channel 5. Provisions

were made to record this course for presentation by means of closed circuit TV next year. Under a grant from The American Society for Engineering Education and with the support of the university, Prof. Martin Bradshaw devoted half time this past year to the development of programmed materials as an aid in the junior fields course. His work has been recognized by the directors of the project for ASEE as being among the best they have supported and they are encouraging the continuation and expansion of his efforts for the coming year.

c. Progress in the Graduate Program

The major progress in the graduate program this past year reflects the addition of two faculty members in the general area of systems, and the increased number of doctoral candidates.

The expansion of the federal programs in fellowships and traineeships has been reflected in an increase in the number of full time graduate students. This in turn has served as encouragement to the part time students to speed up their progress. This year, for the first time, has seen students holding fellowships complete their doctoral programs.

d. Physical Plant

The matching grant from NSF of \$32,400 for laboratory equipment has resulted in a significant improvement in the equipment available in the sophomore and junior laboratories and in the Senior Design Laboratories.

To aid in the orderly development of our laboratories, Prof. Ruben Kelly has been appointed as Coordinator of Laboratory Equipment.

The availability of about \$4500 from the federal funds given to support federal fellows and trainees has been very useful in permitting the acquisition of equipment for research. The shortage of funds for equipment to support research by faculty and students has been even more critical than for the teaching laboratories, where NSF support has been obtained.

e. Student Achievements and Awards

The following awards and scholarships were received by students in Electrical Engineering:

1. _____ Hewlett-Packard/Neely Sales Scholarship
2. _____ Hewlett-Packard/Neely Sales Scholarship
3. _____ Western Electronics Scholarship
4. _____ Western Electronics Scholarship
5. Donald E. Morris, Bresenham Scholarship
6. James Flagstad, Harry Dougherty Prize in Engineering
7. John Ackerman, Harry and Mabel F. Leonard Scholarship.

The following students were graduated "With Distinction" in June, 1966: John Breiland, Emil Krajci, Robert Nelson, and Robert Vaiden.

B. Significant Plans and Recommendations for the Near Future

a. Faculty and Personnel

During the visit this past semester of the ECPD Accrediting Committee, the representative for electrical engineering commented several times that he "really envied your faculty." When interviewing prospective faculty members I consistently am told that they are highly impressed with the faculty in this department.

However, the problem of turning a very good faculty into an excellent faculty remains with us. In evaluating the staff needs of this department it must be recognized that the entire effort of this department is devoted to graduate and professional work - there is no work that is undergraduate in the usual sense.

The development of outstanding faculty members who can properly lead graduate students in their doctoral work requires 6 to 10 men who devote their entire time to advanced work, teaching 3 to 6 hours in their specialty and devoting the rest of their time to research whether or not they have support from outside funds.

The continuation of an up-to-date professional undergraduate school also requires outstanding men who are both engineers and teachers. No area of study in this university is changing more rapidly than is engineering. This requires that the professors spend considerable time keeping abreast of the latest trends in engineering and continually making major changes in courses and curriculum and laboratories.

An indication of this problem is that I have found it almost impossible to recruit young PhD's as assistant professors in this department. Salary is probably not the critical point. Most of these prospects have other offers from respectable institutions who offer them teaching loads of 6 and even 3 hours to give them the time and opportunity to develop into a competent graduate professor or a truly professional teacher of engineering. So far we have been unable to compete with these offers.

The development of a progressive undergraduate program is seriously hampered by our inability to use the summer for the development of courses, particularly laboratories. Several faculty members should be supported each summer to work on course and laboratory development and to attend many of the excellent workshops which are being offered in the rapidly developing new areas of engineering.

The need for additional technician level assistance becomes more critical each year. In the next few years many thousands of dollars of equipment will become inoperable if proper maintenance is not supplied. The lack of technician level assistance also causes much valuable faculty time to be spent on work which could well be performed by staff with much less training.

Our efforts in using the new educational media will be expanded next year. The junior fields course will be presented over broadcast TV by Prof. Bradshaw, and the recorded tapes of the

sophomore circuits course will be presented via closed circuit TV. It is also intended to use recorded closed circuit TV to present orientation material in laboratory courses. The use of programmed materials will be expanded.

b. Facilities

Major changes in the use of space and major additions to research equipment will probably be delayed until the completion of the new engineering building.

The development of additional research space and university owned research facilities is particularly important to meet the requirements of the increasing numbers of graduate students supported by fellowships. In the past, almost all the experimental work done by students was done on equipment of a sponsored research contract or on outside facilities. For the healthy growth of this department it is necessary to develop our own experimental facilities.

c. Research

It is anticipated that new areas of research will receive support in this department next year, particularly in connection with the staff members which were added this year.

A growing problem for the supported research contracts is the decreasing number of competent students available for research positions, particularly at the M.S. candidate level. The increased availability of excellent fellowships and graduate

assistantships has decreased the number of students interested in research assistantships. The problem is made particularly difficult by the fact that timing of contract awards is such that the position cannot be offered until shortly before they become available. By that time most of the best students have already accepted other financial support and only the marginal students are still available.

One possible solution to this problem is the authorization for awarding a certain number of research assistantships in spring based on the probable number of openings in fall.

Electrical Engineering Research Contracts in Force - July 1965-June 1966

Research Contract	Project Supervisor	Contracting Agency	Title of Project	Amount
290-213	Williams	Navy	Submarine Communications by Electromagnetic Means	\$30,000.00*
290-306	Erteza	National Aeronautics & Space Administration	Study of Electromagnetic Scattering from Terrain with Particular Application to the Moon and Planets	\$32,180.00
290-353	Grannemann	National Aeronautics & Space Administration	High Intensity Magnetic Field Pulse Waveform Using a Switchable Superconducting Shield	\$31,000.00
290-415	Grannemann	Sandia	Study of Transient Radiation Effects on Semiconductor Devices	\$16,833.37
290-485	Grannemann	AF Weapons Lab, Kirtland AFB	Laboratory Testing and Theoretical Studies in Microelectronics and Omnidirectional Radiation Effects	\$48,760.00
290-574	Thorn	AF Weapons Lab, Kirtland AFB	Investigation into Fuzing Problems	\$20,293.00
290-606	Koschmann	Sandia	A Study of Adaptive Systems Using a Communication Theory Model of Self-Evaluation	\$14,041.50

Research Contract	Project Supervisor	Contracting Agency	Title of Project	Amount
290-607	Erteza	Sandia	Study on Mathematical and Circuit Theory Aspects of Feedback Shift Register Generated Sequences	\$18,266.35
290-608	Grannemann	Sandia	Radiation Effects on Metal Oxide Silicon Structures	\$19,451.90
290-625	Grannemann	AF Weapons Lab, Kirtland AFB	Part I(a) Study of 14 MEV Neutron Damage Utilizing Silicon and Germanium Devices Part I(b) Laboratory Testing and Theoretical Studies in Microelectronics and Solid State Devices	\$90,067.00
290-647	Thorn	AF Weapons Lab, Kirtland AFB	Investigation into Fuzing Problems	\$64,619.00

*Total of \$149,663.80 authorized February 1964 to be spent over 2-1/2 year period.
Approximately \$30,000.00 appropriate to this fiscal year.

II. COMPOSITE OF INFORMATION ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

1. Advanced Study

WILLIAMS, RICHARD

Took the Professional Engineering Exam on April 23. Results are not yet known.

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

GRANNEMANN, WAYNE

Attended Meeting of ASEE Chicago, Ill. June 20-24. Institutional Representative to The Engineering College Research Council of the ASEE. Traveled To Washington DC Nov. 14-17 to contact various Government agencies for possible research support. Traveled to Colorado Springs, Colo. Dec. 6, 1966 to discuss research proposal with personnel at Kaman Aircraft Corp. Traveled to White Sands Missile Range April 24-26, 1966 to conduct tests on the White Sands Missile Range LINAC.

THORN, DONALD C.

Attended national meetings of IEEE. Attended International Scientific Radio Union, Washington, D.C. Attended Society of Photo-Optical Instrumentation Engineers meeting, El Paso. Attended Sixth International Conference on Quantum Electronics, Phoenix, Ariz.

3. New Scholastic Honors, Fellowships, Etc.- None

4. Publications

Engineering Experiment Station Technical Reports

BECHTEL, RICHARD AND W.W. GRANNEMANN "A Theoretical and Experimental Study of Low Voltage, High Current DC to AC Converters Which Use Either Magnetoresistors, Superconductors, Hall Effect Devices or Thin-Film Devices," December, 1965, EE 131

ERTEZA, AHMED, "A Bistatic Radar Method for the Determination of and for a Smooth Spherical Target" Vol. 70D, No. 8 Aug. 1966, Radio Science Journal of Research MBS/USNC-URSI

"A Method for Extending the Table of Irreducible Polynomials," Proc. of the IEEE Correspondence, June, 1966

JANZA, FRANK, "Investigation of Flash X-Ray Techniques in Soil Dynamics and Interaction Problems," Tech. Report No. AFWL-TR-66-50, Feb. 1966

"A Study of Microwave Doppler Systems for Shock Front Velocities and Motion of Objects Buried in Soils," Tech. Memo AFWL, Feb. 1966
"Evaluation of Miniature Piezoelectric Gages for Static and Dynamic Soil Stress Measurements," (Technical Memorandum) AFWL, Feb. 1966

KARNI, SHLOMO, "An Approximation to a Specified Magnitude Using Non-Minimum Phase Networks" Proc. Third Allerton Conf., Univ. of Ill. pp. 817-825, Oct. 1965

"More on Ladder Networks and Transcendental Numbers," Proc. IEEE, Vol. 53, p. 1784 Nov. 1965

"The Time Honored Positive Real Function," IEEE Trans on Education, Vol. E-9, March 1966

"Engineering Education - Problems and Trends," IEEE Blast, Vol. 19, p. 6-7, March 1966

"On Handling Initial Conditions in Circuits," Proc. IEEE, Vol. 54, June 1966

PETERSEN, DANIEL P., "Recursion Formulas for Sequential Estimation," IEEE Trans. on Info. Theory IT - 11, 589-590, Oct. 1965

5. Other Research Projects or Creative Work in Progress or Completed During Period

BOATWRIGHT, L.T.

Continued participant in Air Force Weapons Laboratory sponsored research on transient radiation effect on electronics

ERTEZA, A., J. DORAN AND D. IENHERT, "Semi-Annual Status Report on Determining the Electromagnetic Properties of the Lunar Surface," EE 130

GRANNEMANN, W.W., WILLIAM BYATT, H.D. SOUTHWARD, H. CATES, G. DAVIS JR., R. SCHNURR, L. MEYER, R. GORE, "Laboratory Testing and Theoretical Studies in Microelectronics and Omnidirectional Radiation Effects," Sept. 1965, EE 129

GRANNEMANN, W.W. AND LEROY MEYER, "Galvanomagnetic Effects and Related Phenomenon of Semiconductors and Dielectrics in a Radiation Environment," June, 1965, EE 125

SWAIN, GEORGE, "Penetration of VLF Propagating Modes into an Anisotropic Stratified Ionosphere and Into the Sea," August, 1965, EE 126

THORN, DONALD C. "A Proposed Doppler Simulator for Optical Frequencies," August, 1965 EE 127

WILLIAMS, R.H. AND T.N.C. WANG, "Linear Antenna Symmetrically Driven with Respect to a Spherical Satellite," Sept. 1965, EE 128

Engineering Experiment Station Progress Reports

KOSCHMANN, A.H. AND C. CHAO, "Adaptive Communication Systems," June, 1965, PR-63

BECHTEL, RICHARD AND W.W. GRANNEMANN, "Methods for DC to AC Conversion," Semi-Annual Status Report, July, 1965, PR-64

WILLIAMS, RICHARD, "Final Report on Submarine Communications Research," PR-65

Other Publications

BRADSHAW, MARTIN D., "Viscous Lifting of Conducting Fluids in the Presence of a Magnetic Field," (with Young & Osterle) Appl. Scientific Research, Vol. 12, Sec. pp. 266-276

BRADSHAW, MARTIN

Submarine Research Project, Completed
 Sept. 1965, ASEE Programmed Learning Project
 1/2 time (1/4 support by ASEE, 1/4 by
 department) Sept. 1965 to June 1, 1966.
 Revising final draft of textbook on
 electromagnetic waves to be published by
 Prentice Hall

BYATT, WILLIAM J.

Continued work on Kirtland AFB Contract on
 Transient Radiation Effects
 Revising final draft of textbook on electro-
 magnetic waves to be published by Prentice
 Hall

ERTEZA, AHMED

Sandia Contract for \$18,266.35 for studies on
 the mathematical and circuit theory of feed-
 back shift registers, etc.
 NASA Contract for \$32,000 for a study of
 Electromagnetic Scattering From Terrain
 with Particular Application to the Moon and
 Planets.

GRANNEMANN, WAYNE

Work on contract with Sandia - Radiation
 Effects on Metal Oxide Silicon Structures.
 Work on Air Force Special Weapons Center
 contract - Laboratory Testing and Theoretical
 Studies in Microelectronics and Solid State
 Devices. Work on National Aeronautics and
 Space Administration Contract - Hall Effect
 for Low Voltage, High Current DC to AC Conversion.

JANZA, FRANK J.

Supervising research and development on
 transducers and instrumentation for the study
 of shock-wave phenomena in air and soil.
 (Supervisor of Electronics Department,
 Eric H. Wang Civil Engineering Research
 Facility; UNM under contract with the Air
 Force.)

KARNI, SHLOMO

One-fourth time research on Kirtland Air Force Base Contract "Theoretical and Experimental Investigation of the Problems Associated with the Arming and Fuzing of Nuclear Weapons

KELLY, RUBEN

Received a two-year grant of \$32,400 (1/2 National Science Foundation, 1/2 UNM) for the purchase of scientific laboratory equipment for the undergraduate electrical engineering laboratories

KOSCHMANN, ARNOLD

Adaptive Communication Systems, Sandia Corporation, \$12,000 for 1965-66. Research on Radar Systems with Kirtland project, D.C. Thorn, Principal Investigator.

MOHLER, RONALD

Submitted two proposals, one to NSF for about \$55,000 another to Sandia for about \$13,000. Have started work on an invited paper for Reactor Power Technology

THORN, DONALD C.

Principal investigator on Kirtland Air Force Base Contract - Theoretical and Experimental Investigation of the Problems Associated with the Arming and Fuzing of Nuclear Weapons

6. Activities in Learned and Professional Societies**BOATWRIGHT, L.T.**

Member of Executive Board, Albuquerque Section, Institute of Electrical and Electronic Engineers

BRADSHAW, MARTIN D.

Attended ASEE Programmed Learning Seminar, Boulder, Colorado, July 5-23, 1965. Attended ASEE Programmed Learning Project Mid-Winter Meeting, Dallas, Texas, Jan. 13-15, 1966

BYATT, WILLIAM J.

Results of some work at Sandia presented (by M. Cowan) at International Symposium on High Magnetic Fields in Italy, Sept. 1965

GRANNEMANN, WAYNE

President, New Mexico Chapter Sigma Xi

JANZA, FRANK J.

Program Chairman, Albuquerque Section, Instrument Society of America, 1965-66. President, Albuquerque Section, Instrument Society of America, 1965-66. Paper: Instrumentation at Air Force Shock Tube Facility, Albuquerque ISA Section, 9/14/65

KARNI, SELOMO

Attended and presented paper at The Third Allerton Conference on Circuits and Systems, University of Illinois, Oct. 1965

KELLY, RUBEN

Served as Panel Member on National Science Foundation Review of Proposals on Undergraduate Laboratory Equipment Grants, in Denver.

KOSCHMANN, ARNOLD

Attended ASEE National Convention, June 1965, Chicago, Illinois. Attended International Communication Conference, June 1965, Boulder, Colorado. International Communication Conference, January 1966, Boulder, Colorado

MOHLER, RONALD

Joined Sigma Xi

7. Other Professional Activities

BYATT, WILLIAM J.

Consultant to Sandia

GRANNEMANN, WAYNE

Consultant to United Aircraft Corporation, Norden Division, Consultant to Sandia Corporation, gave talk at Seventh Seminar on High Education in the Americas, April 1, 1966

JANZA, FRANK J.

Symposium Chairman of Pressure Transducer Symposium held at UNM, 1/26/66. Talk: Shock Wave Generation and Instrumentation, presented to Albuquerque Industrial Development Division Service, 1965

KARNI, SHLOMO

Consultant to Gulton Industries

KELLY, RUBEN

Presented series of lectures on new circuit analysis technique (developed by Dr. Kelly) at Kirtland Air Force Base. With D.C. Thorn prepared and graded professional registration exam for New Mexico State Board. Consulted with Kirtland Air Force Base on high frequency amplifiers Oct. thru Dec. 1965, on Fuse Systems, January 1966 to present. Consulted on Navy Submarine Project Summer 1965 through September 1965.

KOSCHMANN, ARNOLD

Engineering College Administrative Committee, Graduate Committee, Chairman, University Allocation Committee, Chairman, Outstanding Teacher Award Selection Committee

THORN, DONALD C.

With R. D. Kelly prepared and graded professional registration exam for State Board of New Mexico.

8. Non-teaching University Service

BOATWRIGHT, L.T.

Student Counselor, IEEE; Departmental Doctoral Advisor, Member, Department scheduling Committee, Member, Department Graduate Assistantship Committee

BYATT, WILLIAM J.

Supervised three Ph.D. dissertations completed this spring and committee member on 8 others. University College Advisor

ERTEZA, AHMED

Advisor for all Master's Degree Candidates in the EE Department. Member, University NASA Fellowship Committee.

GRANNEMANN, WAYNE

Research Administration (1/2 time). Graduate Contract Research, and Patent Committees

KARNI, SHLOMO

Administrator, Electrical Engineering Colloquium Series

KELLY, RUBEN

Member, United Fund Committee, Faculty Advisor for EE Open House, Administrator of \$32,400 NSF Grant.

9. Public Service

BYATT, WILLIAM J.

Member of Association of Faculty Religious
Advisors (Newman Center)

GRANNEMANN, WAYNE

Member, Official Board and Social Concerns
Commission, Christ Methodist Church, Troop
Committee member, Boy Scout Troop 165.

JANZA, FRANK J.

Chairman, Evangelism Department, Sombra
Del Monte Christian Church, 1965-66

KARNI, SHLOMO

Lectured to group at Paradise Hills Methodist
Church on "Judaism". Hebrew Teacher,
Congregation Bnai Israel.

KELLY, RUBEN

Accompanied Scout Troop 165 on week long
summer camp and hike to bottom of Grand
Canyon, also to Water Canyon Weekend Campout.
Installed "Wireless Mike" for Assumption
Church and have serviced the installation
periodically.

KOSCHMANN, ARNOLD

Vice-Chairman, Albuquerque Chapter, Multiple
Sclerosis Society. Chairman, Board for
Parish Education, Immanuel Lutheran Church.

MOHLER, RONALD R.

Active participation in church functions -
particularly "Couples Club".

THORN, DONALD C.

Appeared with D.W. Reeves of Public Service
Company on "Shirtsleeve Session" broadcast
over Channel 5.

10. Personal Information

ERTEZA, AHMED

Daughter, Ireena Erteza, born on June 13, 1965

MOHLER, RONALD R.

New baby girl born during 1966

The Report of the Department of Mechanical Engineering
July 1, 1965 - June 30, 1966
R. C. Dove, Chairman

I. General department information

A. Achievements

(a) Student enrollments and degrees granted

	Sophomore	Junior	Senior	Graduate
Sem. I	69	38	37	118
Sem. II	59	40	32	116
B. S. (M. E.) June 1966	31			
M. S. June 1966	32			
Ph. D. June 1966	3			

These figures represent an increase in both B. S. and M. S. degrees awarded by the department. We are expecting a steady increase in number of B. S. degrees awarded. We believe that the number of M. S. degrees awarded will remain nearly constant or decrease slightly and that the number of Ph. D. degrees awarded will increase materially.

All of our graduates had accepted employment or made their plans (graduate school or military service) well before graduation. I know of no previous year in which the recruitment of new graduates has been so intense.

(b) Curriculum changes

Two new undergraduate courses have been added during this period. Introduction to Engineering Design (M. E. 201L) has been added so that we can evaluate the desirability of beginning instruction

in design earlier than it has been in the past. This course will be offered to a group of Sophomores for the first time during Semester I, 1966-67. Energy Conversion Systems (M. E. 482) has been added to fill the need for a senior level technical elective in the area of applied thermodynamics, fluid mechanics, and heat transfer. This course will be offered for the first time during Semester I, 1966-67.

Two new graduate courses have also been added. Hypersonic Flow of Ideal Gases (M. E. 607) and Hypersonic Flow of Real Gases (M. E. 608) will fill the need for additional course work created by our doctorate program in Fluid Mechanics and Gas Dynamics. The first of these two courses was offered this year under a special topics number. M. E. 608 will be offered for the first time during Semester I, 1966-67.

During March the department, together with the Electrical and Civil Engineering departments, was examined for re-accreditation by the Engineer's Council for Professional Development. The results of this examination will not be known until this coming fall.

(c) Laboratories

The M. E. metal shop, welding, and foundry areas were consolidated into a smaller, but complete and more efficient, shop facility. This change was made during June, July, and August of 1965 and during the past school year this new shop has been serving the entire

College of Engineering. This shop is proving to be extremely useful for the construction and repair of both instructional and research equipment. The largest remaining problem is the inadequacy, due to advanced age and long use, of many of the major items of shop equipment.

During this period, Prof. K. T. Feldman, assisted by several other M. E. faculty members, prepared a proposal for NSF support for additional undergraduate laboratory equipment. This proposal was approved and, as a result, we can continue the undergraduate laboratory improvement program which was begun three years ago with the assistance of a previous NSF grant. The present NSF grant is for \$13,200 (with \$13,200 UNM matching, for a total of \$26,400), and during the next two years these funds will be used to improve our undergraduate laboratory program in the thermodynamics, fluid mechanics, and heat transfer areas.

Prof. V. J. Skoglund has begun construction of some of our new gas dynamics laboratory equipment. A shock tube, which will be used by doctorate candidates working in this area, will be completed this summer. At present two problems are seriously limiting our efforts in this important area. The first problem is lack of space for the proposed gas dynamics research facility. Fortunately this problem is temporary, since space for this facility will be available in the new engineering building. The second problem is lack of

instruments and equipment for this new facility. The work now underway is being supported by funds made available by three NDEA fellows working in this area. However, these funds have been reduced (by the graduate committee without consulting the department as to its needs) for the coming year and no alternative source of regularly allocated funds is presently available.

(d) Student accomplishments

The prizes, awards and scholarships given to Mechanical Engineering undergraduates during the 1965-66 school year included: George E. Breece Senior Prize of \$35 was given to Mr. G. J. Hartman; the Outstanding Foreign Student Award was given to Mr. Alfred Arcache; the John E. Beck Scholarship of \$250 was given to Mr. Michael Berger; the Craig Elton Bresenham Scholarship of \$150 was given to Mr. Kenneth Schenck; the Carter Scholarship of \$75 was given to Mr. Solomon Chavez; the Harry and Mabel F. Leonard Scholarship of \$125 was given to Mr. Richard Hildner; and the Southern Union Gas Scholarship of \$500 was given to Mr. Fred Mortensen. Mr. Joshua Fajusigbe was initiated into Phi Kappa Phi. Mr. Michael G. Byrne and Mr. Fred N. Mortensen were initiated into Blue Key.

The following served as officers of the student section of the American Society of Mechanical Engineers for the academic year 1965-66: President - Mr. Michael J. Shannon, Vice President - Mr. Clinton Van Blaricum, Secretary - Mr. Brian Webber, Treasurer - Mr. Terry Delahunty. Mr. Michael J. Shannon received the annual certificate award which is given to the student member who has contributed most to the operation and activity of the student section.

Technical papers were presented by Mr. Hans Neubert, Mr. Leonard Otten, and Mr. David Tudor at a joint dinner meeting of the student and senior sections of the ASME in March. Mr. Neubert, Mr. Shannon and Professor Calvert attended the Regional Student Conference, in April, at the Colorado School of Mines, Golden, where Mr. Neubert gave his technical paper.

The following students were initiated in Pi Tau Sigma, the mechanical engineering honorary: Mr. Edwin V. Reece, Mr. Michael J. Shannon, Mr. Brian L. Webber, Mr. Alfred S. Arcache, Mr. Fred N. Mortensen, Mr. Lynn D. Lucas, Mr. Michael E. Berger, Mr. Hernan Hirsch, Mr. Chao-Hsiung Lin, Mr. Solomon P. Chavez, Mr. Ramesh Ganerwal, Mr. Michael Peterson, Mr. Kenneth A. Schenck, and Mr. Edward A. Hearnberger. During this past year the Pi Tau Sigma members have addressed engineering freshman groups and sponsored departmental student-faculty luncheons.

B. Plans and recommendations

As mentioned in Section A (c) of this report the Mechanical Engineering Department has just received its second grant from NSF for improvement in undergraduate laboratories. During the coming year the department should complete the undergraduate laboratory improvement program which was begun three years ago.

It now appears that the number of doctorate students in the department will increase almost as rapidly as we care to admit them. Restriction will almost certainly be necessary until a way can be found to finance graduate research facilities. Our past experience has been that it is possible to obtain special grants (such as NSF) for undergraduate equipment and to support MS research in conjunction with sponsored research contracts. But we have found no way to finance the development of new facilities (such as the one already mentioned for gas dynamics research) which are needed for on-campus doctorate research. In general, while research sponsors will pay salaries for research assistants, and buy small items of laboratory equipment, they will not support work in areas where the basic research plant is not available and in operation. Our best method for developing new areas appears to be in connection with on-campus dissertations, but we are severely handicapped by lack of basic research equipment. Therefore, I again recommend that the Mechanical Engineering Department be given a separate budget for graduate research facilities. Perhaps this could be tied in to the number of Ph. D. candidates signed up for and working on dissertation.

C. Appointments to staff

(a) Full-time faculty - None

(b) Part-time staff

Mr. John G. Baker - Graduate Assistant - September 1965

Mr. Meng Sam Chan - Graduate Assistant - September 1965

Mr. William Sedlock - Graduate Assistant - September 1965

Mr. Prithvish K. Parekh - Graduate Assistant - February 1966

Mr. Han-Hsiung Wu - Graduate Assistant - February 1966

D. Separations from staff

(a) Full-time faculty - None

(b) Part-time staff

Mr. Rowland Ajayi - Graduate Assistant - deceased June 1965

Mr. Vincent Gorman - transferred from Graduate Assistant to
Research Assistant - September 1965

Mr. Chao-Hsiung Lin - transferred from Graduate Assistant to
Research Assistant - September 1965

II. Composite of information in biographical supplements

I. Advanced Study

Baker, W. E.

Received Ph. D. degree in Engineering Mechanics
from The University of Texas, January 1966.

Calvert, F. O.

Faculty participant in the NSF sponsored Engineering
Design Laboratory Workshop at UCLA from 6/14 to
7/9/1965. Attended the 3rd annual conference on
Engineering Design Education at Carnegie Institute of
Technology on July 12, 13, 1965. Participated in meet-
ing of the committee on Authentic Involvement in Design
of the Commission on Engineering Education at Washing-
ton, D. C. on January 26, 1966. Participated in 1965
Boeing Advanced Technology Forum at Seattle, Washing-
ton on December 20 and 21, 1965.

Feldman, K. T.

Ph. D. earned January 1966, University of Missouri,
Columbia, Mo. Thesis: "A Study of Heat Generated
Pressure Oscillations in a Closed End Pipe". Attended
one week course entitled, "Analog Simulation and Compu-
tation" given by Electronic Associates, Inc. during the
week of June 7-11, 1966 at Los Angeles.

Richards, C. G.

NASA-ASEE Summer Faculty Fellowship - Langley
Research Center, Hampton, Virginia, June -
August 1965.

Wambold, J. C.

Completed Ph. D. language requirement and now
working on dissertation entitled "Analog Study of
Impact Fracture of Closed End Cylinders".

Completed course on Hybrid Computers given by
Electronic Associates, Inc.

Wildin, M. W.

Attended two, one week summer courses at University
of Michigan; one on Advanced Infrared Technology and
the other on Precision Radiometry.

2. Sabbaticals, etc.

Dove, R. C.

Sabbatical - Semester I, 1965-66; Visiting Professor
at University of California (Berkeley) for 6 weeks
during the sabbatical period.

Houghton, A. V.

Attended Conference on Exploration of Mars and
Venus - V. P. I. Blacksburg, Va.

3. New Scholastic Honors

Baker, W. E.

Received "Ralph R. Teetor Educational Fund Grant"
to permit attendance at the Society of Automotive
Engineers Engineering Congress in Detroit, January
1966.

Dove, R. C.

Received Western Electric Award as Outstanding
Engineering Teacher in Southwest ASEE Region.

Feldman, K. T.

Elected to full membership in Sigma Xi, Honorary
Research Fraternity.

Schreyer, H. L.

Elected to full membership in Sigma Xi, Honorary
Research Fraternity.

Wambold, J. C.

Elected to Associate membership in Sigma Xi,
Honorary Research Fraternity.

4. Publications

a. Technical papers and books

ALBRECHT, B.

"Second-Order Visco-Elasticity in a Filled Elastomer",
Int. J. Solids Structures, Vol. 1 (1966) Pergamon Press Ltd.

BAKER, W. E.

"Strain Rate Effects in the Propagation of Torsional Plastic Waves", accepted for presentation at the Fifth International Congress on Applied Mechanics in June 1966.

DOVE, R. C.

"Calibration and Evaluation of Accelerometers in the 10,000g to 100,000g Range", Dove, Butler and Duggin. ISA Preprint 17.3-1-65.

"High Frequency Problems in the Transmission of Piezoelectric Transducer Data", (with Arlowe and Duggin). ISA Journal, Vol. 13, No. 1, January 1966, p. 62-66.

"The Selection and Evaluation of Shock Test Instrumentation", R. I. Butler and R. C. Dove. Institute of Environmental Sciences Tutorial Lecture Series-Dynamics - 1966 - p. 115-141.

FELDMAN, K. T.

"A Study of Heat Generated Pressure Oscillations in Closed End Pipes", Bureau of Engineering Research, University of New Mexico, Report No. ME-19.

HOUGHTON, A. V.

"Matrix Methods in Dimensional Analysis" ASME Machine Design Division presented at Winter Annual Meeting, (with D. Kitzinger).

"The Matrix Method of Teaching Dimensional Analysis" (with D. Kitzinger) Sandia Corporation SC-DC64, 1493.

"A Feasibility Study in Determination of Nuclear Cargo Carriage Security" Engineering Research Bureau Report submitted to A. F. S. W. C. (with D. Sparks and D. Gibson) (Approx. 100 pages).

JU, F. D.

Critical strain field in the Neighborhood of a Stable Fracture -- Proceedings of the Third Congress of Society of Engineering Sciences.

SKOGLUND, V. J.

"Preliminary Numerical Analysis of the Interaction of an Oblique Shock Wave and a Laminar Boundary Layer"- Part 2, with J. K. Cole, ME-16, Bureau of Engineering Research, UNM.

"Stability of Gas Flow Distribution Among Parallel Heated Channels" with C. A. Bankston and W. L. Sibbitt, accepted for presentation at Second Propulsion Joint Specialist Conference, AIAA, June 15-17, 1966.

"Pressure Oscillations Induced by Forced Convective Heating of Dense Hydrogen" with R. S. Thurston and J. D. Rogers, accepted for presentation at 1966 Cryogenics Conference, Boulder, Colorado.

WILDIN, M. W.

"Radiative Heat Transfer Through an Absorbing Boundary Layer" ASME Paper No. 65-WA/HT-21, accepted for publication in Series C of ASME Trans. (with A. A. Fritsch and R. J. Grosh.)

"Transient Strain and Temperature Distributions in Long Circular Cylinders Cooled by Emission of Thermal Radiation" submitted to Soc. for Exp. Stress Anal. to be reviewed. (with R. S. Pritchard)

5. Other research or creative work

Albrecht, B. - Air Force Weapons Laboratory (WLDL-1)

Contract No. AF 29(601)-7114 Nose Cone (\$26,034)

February 1, 1966 - January 31, 1967 (with R. C. Dove).

Baker, W. E. - Received research contract from the Track

Test Directorate at Holloman Air Force Base. Title -

Further Studies in Rocket Sled Instrumentation. Duration:

September 1965 to September 1966. Amount of grant: \$19,835.

Feldman, K. T. - Research Contract: Sandia Corporation, Albuquerque, New Mexico, "The Mechanism Causing Heat Driven Pressure Oscillations in a Gas", Contract No. 53-2290 Task 1, Total budget \$15,641, duration July 1965 to July 1966.

Houghton, A. V. - Research contract "A Feasibility Study in Determination of Nuclear Cargo Carriage Security" completed for Air Force Systems Weapons Command. Amount of grant \$6500. High Temperature Calorimetric Research for Sandia Corporation in progress. Amount of grant \$12,900 plus loaned equipment \$8,000.

Ju, F. D. - AFOSR - Fracture Criteria for Low-cycle Dynamic Loadings, January-December 1966, amount of grant \$34,000. Sandia Corporation - Impact Fracture in a Closed-end Cylinder, July 1, 1965 - June 30, 1966, amount of grant \$27,000. Textbook on "Engineering Elasticity" in progress.

Richards, C. G. - Working on research project No. 290-647 - Principal Investigator, Prof. D. C. Thorn, E. E. Dept. Sponsored by U. S. A. F. Weapons Laboratory, K. A. F. B.

Skoglund, V.J. - "Numerical Analysis of the Interaction of an Oblique Shock Wave and a Laminar Boundary Layer" Doctoral Dissertation of J.K. Cole completed. "The Flow Mechanism of Hydrogen Near the Critical Point in a Heated Cylindrical Tube" in progress with Mahlon Wilson, doctoral student. "Molecular Kinetics of High Temperature, Non-equilibrium Air" in progress with Leroy Wilson, doctoral student. "Numerical Analysis of Gas Dynamics" Sandia Corporation research contract. Duration July 1, 1965 - June 30, 1966. Amount of grant - \$20,000.

Wildin, M. W. - Research contract 53-2290, Task 4 with Sandia Corporation, entitled "Heat Transfer and Temperature Distribution in Finned Radiators". Grant of \$17,966.44 for the period July 1, 1965 to July 1, 1966.

6. Activities in learned and professional societies

Baker, W. E.

Attended the Society of Automotive Engineers Engineering Congress in Detroit, Michigan, January 10 - 14, 1966.

Calvert, F. O.

Attended meeting of New Mexico Sections of ASME and NMSPE.

Dove, R. C.

Instrument Society of America - gave paper at Los Angeles meeting in October 1965; Institute of Environmental Sciences - gave paper at San Diego meeting in April 1966.

Houghton, A. V.

Presented paper ASME Winter Annual Meeting, attended section meetings.

Ju, F. D.

ASME West Coast Conference - Aug. 27 - Sept. 1, 1965. International Conference on Structure Dynamics - October 1965. Third Technical Conference of the Society of Engineering Science November 1 - 3, 1965. Session chairman - presented paper.

Richards, C. G.

ASME-EIG Fluids Conference - Denver, Colorado - April 27 - 27, 1966.

Schreyer, H. L.

Attended and was co-author of a paper presented at the L. H. Donnell Symposium on Shell Theory at Houston, Texas, April 4 - 6, 1966.

Skoglund, V. J.

National Committee K-6 of ASME. Local Student
Affairs Committee of AIAA.

Wildin, M. W.

Attended ASME Winter Annual Meeting to deliver ASME
Paper No. 65-WA/HT-21.

7. Other professional activities

Calvert, F. O.

Served as judge for Regional Science Fair at UNM,
March 1966.

Dove, R. C.

Gave the Annual UNM Research Lecture, "Advances
In Man's Ability to Measure His Environment", in
April 1966. Lecture to San Francisco Chapter of SESA
in January 1966. Consultant to Los Alamos Science
Laboratory, LRL., and Sandia Corporation.

Feldman, K. T.

Seminar given to Sandia Corporation, Albuquerque,
New Mexico, December 1965, Titled: "Heat Driven
Pressure Oscillations in a Gas". Consultant to Sandia
Corporation, July 1965 - present, Organization 7311,
on thermoacoustics.

Houghton, A. V.

Consultant - Sandia Corporation, (both on material properties and analytical section); Continental Casualty Co.; Security Insurance Company; summer employment Sandia Corporation. Wrote two technical reports for Continental Casualty Company resulting in winning of \$275,000 lawsuit.

Ju, F. D.

Consultant to LASL. Reviewer for NSF proposal in mechanics division. Reviewer for Journal of Applied Mechanics.

Skoglund, V. J.

Design of gas dynamics research laboratory for new Engineering Center.

Wamhold, J. C.

Patent pending on a hydraulic motor, did consulting on law case involving the steering of a Caterpillar Tractor.

8. Non-teaching University service

Baker, W. E.

Freshman Advisory Committee

Calvert, F. O.

Acting Chairman, Dept. of Mech. Engr. - Fall Semester 1965-66. Engineering College class schedule committee; Faculty Advisor, ASME student organization; Mech. Engr. Laboratory Development Committee; ME dept. advisor for transfer students.

Feldman, K. T.

Served on Engineering College Scholarships and Awards Committee. Freshman Faculty Advisor.

Houghton, A. V.

Graduate Student Advisor for ME Department; member, University Policy Committee; Chairman, Engineering Doctoral Committee; member, Graduate Examining Committee, ME Dept.; member Committee on Visiting Committees.

Ju, F. D.

Fellowship Committee (University), Science Colloquium Committee (University), Mechanics Committee (College), Mechanics Committee (Department).

Richards, C. G.

University College - Freshman Advisor.

Skoglund, V. J.

Fluid Mechanics Committee for undergraduate fluid mechanics laboratory.

Wildin, M. W.

ME Department representative to Engineering College Library Committee; member of Research Allocations Committee and Ad Hoc Committee on PE requirements; Faculty Advisor to 2 student organizations. Prepared ME Dept. proposal for NSF Traineeships. Selected equipment for Heat Transfer Laboratory for new engineering building.

9. Public service

Calvert, F. O.

Training Union Director, Sandia Baptist Church

Feldman, K. T.

Usher & committee member - Christian Science Church.

Houghton, A. V.

Cub Scout activities (Publicity chairman and Den Father).

Ju, F. D.

Cub Scout Committee.

Wambold, J. C.

Active in Boy Scouts as neighborhood advisor

Wildin, M. W.

Served as assistant head usher, Sunday School teacher, and on several committees of my church.

THE REPORT OF THE DEPARTMENT OF NUCLEAR ENGINEERING

July 1, 1965 - June 30, 1966

Glenn A. Whan, Chairman

I. GENERAL DEPARTMENTAL INFORMATION

A. Significant Achievements During the Academic Year, 1965-66

1. Departmental Status

At its April meeting the University Faculty approved the establishment of a Department of Nuclear Engineering in the College of Engineering with the designation of Dr. Glenn A. Whan as Chairman. Only the graduate M.S. and Ph.D. degrees will be awarded in the Department, as in the past, although an undergraduate program may be considered in the future.

2. Enrollment Summary

Enrollment trends for the past five years are shown in the table below. Although the full-time graduate student enrollment did not increase from 1964 to 1965, an increase is expected this fall. The total students on campus shows a significant increase from 16 for the fall semester 1964 to 26 for the fall semester 1965.

	<u>Fall 1961</u>	<u>Fall 1962</u>	<u>Fall 1963</u>	<u>Fall 1964</u>	<u>Fall 1965</u>	<u>Spring 1966</u>
Full-Time	3	5	7	10	10	9
Part-Time						
On Campus	5	8	5	5	16	13
Los Alamos	<u>30</u>	<u>20</u>	<u>28</u>	<u>25</u>	<u>21</u>	<u>17</u>
	38	33	40	40	47	39

3. Degrees Granted

The first two Ph.D. degrees with a nuclear engineering major were awarded at the June 1966 Commencement to Debow Freed and John C. Vigil. The table below reviews the degree granting trend for the last five years.

	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
M.S. Degrees					
On Campus	--	3	2	1	3
Los Alamos	<u>6</u>	<u>2</u>	<u>5</u>	<u>2</u>	<u>5</u>
	6	5	7	3	8
Ph.D. Degrees	--	--	--	--	2

4. Curriculum

This year the graduate curriculum was revised and brought up to date to improve the overall graduate program. This involved primarily the modification and reorganization of present course work rather than the addition of new courses. Two new courses were

added to the bulletin, however, to strengthen those areas of specialization in the nuclear engineering graduate program: NE 580 Controlled Fusion and NE 620 Transport Theory.

5. Graduate Program

As a result of the reorganization of course work mentioned above, the basic recommended list of courses in a nuclear engineering M.S. program has been modified somewhat to the list shown below.

Math 312 and 313	Adv Engineering Mathematics I & II
Phys 491 and 492	Contemporary Physics I & II
NE 460	Fundamentals of Nuclear Engr. I
NE 463L and 464L	Nuclear Engineering Lab I & II
NE 480L	Nuclear Systems Design
NE 510 and 511	Reactor Theory I & II

Electives to complete the program of 32 hours for Plan II are, of course, chosen in consultation with the graduate advisor.

With the addition of two outstanding new faculty members, Dr. Willis L. Everett, Associate Professor, and Dr. Robert L. Long, Assistant Professor, the graduate program is now conducted with four full-time professors. This affords the department the minimum depth and breadth necessary for a truly competent graduate program.

6. Facilities

A delay by the University of California prevented the AGN-201 critical training reactor from being installed during the second semester. The reactor is now due to arrive this summer. The laboratory building has been remodelled to house the reactor and Dr. R.D. O'Dell has done an outstanding job of writing and submitting the license application to the Atomic Energy Commission. The reactor should be installed, licensed, and operating by the fall semester.

A large number of pieces of additional nuclear laboratory equipment, e.g., detectors, scalers, spectrometers, and computers, has been obtained on loan from Sandia Corporation as a result of considerable initiative by Dr. R.L. Long. This equipment arrived in good working order and has been very useful in the laboratory courses this year.

7. Student Activities and Awards

Kjell Nielsen again participated in the AMU-ANL Summer Engineering Practice School at the Argonne National Laboratory.

Debow Freed presented a paper concerning his dissertation research at the National Winter Meeting of the American Nuclear Society at Washington, D.C.

in November.

Gary Peeler presented a paper, based on his masters degree research, at the March meeting of the ANS Trinity Section in Santa Fe.

Three students presented papers at the Fourth Annual Student Conference of the American Nuclear Society held at the University of Illinois in April.

Kjell Nielsen - "On Some Problems Regarding the Pulsed Neutron Technique"

Jerry Koelling - "The Use of Fission Foils for Fast Neutron Spectroscopy"

Gary Peeler - "A Magnetic Spectrograph for Measuring Electron Energies from High Intensity Pulsed Sources"

A student branch of the American Nuclear Society is being organized at the University. Temporary officers this year have been: Jerry Koelling, President; Terry Richards, Program Director; and Kjell Nielsen, Secretary. Dr. Glenn A. Whan has been the acting Faculty Advisor.

This year Jerry Koelling and Gary Peeler received Graduate Fellowships from the Associated Rocky Mountain Universities for dissertation and thesis research at the Sandia Laboratory.

Nelson Demuth has received a Special Nuclear Science and Engineering Fellowship from the AEC, in national competition, to support his doctoral study

B. Significant Plans and Recommendations for the Near Future

1. Curriculum

Since the University is located in one of the nuclear research and development centers of the nation, many of the non-science and engineering students should appreciate some insight into this area of contemporary technology. A new course, NE 230 Applications of Nuclear Energy, similar to the one offered at The University of California specifically for humanities students, may be offered by this department. This course would be available only to nontechnical students and would not parallel anything offered at present by other science or engineering departments. The course could be very informative and stimulating, however, without requiring great mathematical rigor or scientific background

With the acquisition of the AGN-201 critical reactor for the campus laboratory as well as the development of additional experiments at the Sandia Laboratory, an additional laboratory course for

advanced students is proposed. This course would be available primarily for doctoral students, although some of the better masters students may wish to enroll.

2. Faculty and Staff

With four full-time professors in the department as well as a rapidly expanding graduate program, it is becoming more and more difficult to manage the department office with part-time student secretaries. Much of the important but routine paper work in the department could be handled with little faculty supervision by a permanent full-time secretary. It is strongly recommended that a full-time secretary be approved for Nuclear Engineering as soon as possible.

This year the laboratory program has suffered great losses of time and much expense because a good electronics technician is not available to the department. The need for an electronics technician in the Nuclear Engineering Laboratory is urgent, and the department intends to add a one-half time man to the staff this summer.

This spring an ad hoc Committee on Radiological Control was created to evaluate the need for the university-wide administration of radiation safety procedures. The Committee, primarily due to the

efforts of its chairman, Dr. R.L. Long, submitted a comprehensive report recommending in part that the University immediately establish the position of University Radiological Safety Officer and actively recruit a competent qualified health physicist/radiation safety officer to fill the position. Although this is not a staff position in this department, a University Radiological Safety Officer would be invaluable in the Nuclear Engineering Laboratory and his appointment is strongly endorsed.

3. Facilities

Although the Nuclear Engineering Laboratory is becoming overcrowded by the acquisition of additional equipment, the new Engineering Center building should alleviate this situation. Because the present laboratory space is only marginally shielded for the radiation sources in use, the Nuclear Engineering Laboratory should be moved into the new building at the earliest possible time.

Two major pieces of equipment are still needed to augment the radiation sources available for both instruction and research in the department: a 20,000 curie cobalt-60 irradiator and a 2 to 3 MEV charged

particle accelerator. Additional efforts will be made to secure funds for this equipment.

With the addition of Dr. W.L. Everett to the faculty, controlled fusion and plasma dynamics has become one of the principal areas of specialization in the department. Since other departments in the Engineering College also have some interest in plasma systems, laboratory facilities for both instruction and research must be considered in the very near future.

This summer Dr. R.D. O'Dell will supervise the installation and check out of the AGN-201 critical reactor with the support of a \$3,400 salary grant from the Atomic Energy Commission.

4. Undergraduate Program

Two additional universities, the University of Michigan and the University of Arizona, have expanded their nuclear engineering program to include an undergraduate B.S. degree. This department will follow the progress of these as well as older undergraduate programs to determine the advisability of establishing a B.S. degree program at the University of New Mexico.

C. Appointments to Staff

1. Full-Time Faculty

Dr. Willis L. Everett, Associate Professor, September 1965.

Dr. Robert L. Long, Assistant Professor, September 1965.

2. Part-Time Faculty & Staff

Dr. Morris E. Battatt, Adjunct Professor, Semester I, Los Alamos.

Mr. Nelson S. Demuth, Jr., Graduate Assistant, Semester II.

Mr. Joseph Day Lee, Graduate Assistant, Semester I.

Mr. Richard W. Martin, Graduate Assistant, Semester II.

Dr. Norris G. Nereson, Adjunct Professor, Semesters I & II, Los Alamos.

Mr. Kjell W. Nielsen, Graduate Assistant, Semesters I & II.

Mr. Ke-Chiang Shih, Graduate Assistant, Semester I.

Mr. John W. Starner, Instructor, Part-time, Semesters I & II, Los Alamos.

D. Separations from Staff

None

II. COMPOSITE OF INFORMATION ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

1. Advanced Study

None

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

O'Dell, R. Douglas

Travel to Berkeley, Univ. of Calif., for training & licensing on AGN-201 reactor, 1/23/66 - 2/1/66.

3. New Scholastic Honors, Fellowships, etc.

None

4. Publications

Long, Robert L.

"Effects of Reflectors on the Burst Characteristics of the WSMR Fast Burst Reactor," Trans. Am. Nuclear Soc., 8, 2 (1965).

"Report of Reactor Excursion During Test of Modified WSMR Fast Burst Reactor Core," Trans. Am. Nuclear Soc., 8, 2 (1965).

Whan, Glenn A.

"Effect of Sample Geometry on Decay Constant Measurements in Water Using the Pulsed Neutron Technique," (with D. Freed), ANS Trans., Nov. 1965.

5. Other Research Projects or Creative Work

Everett, Willis L.

Sandia Corporation Research Contract, 1/2 time, \$5,008, "Analysis of Transport Properties in

Plasma Systems," 4-1-66 through 6-30-66.

Long, Robert L.

Sandia Corporation Research Contract, 1/2 time,
\$6,600, "Investigation of the theory and methods
of modifying fast burst reactor pulse charac-
teristics," 9-13-65 through 6-15-66.

O'Dell, R. Douglas

ARMU-AEC Faculty Orientation Grant, Summer 1965,
at Sandia Corporation.

Whan, Glenn A.

Research Participation Grant for work in
nuclear desalination, Oak Ridge National Lab-
oratory, Oak Ridge, Tennessee, Summer 1965.

6. Activities in Learned and Professional Societies

Everett, Willis L.

Served as Conference Director of "ARMU-NRTS
Technical Orientation Conference," October 25,
26 and 27, in Idaho Falls, Idaho.

Presented an invited paper entitled "Basic
Principles of and Practical Applications of
Lasers" at the Wyoming Annual Civil Engineers
Conference, March 4 and 5, 1966, Laramie, Wyoming.

A paper entitled "Vertical Momentum Transfer in

the F_2 Region of the Ionosphere," R.H. Lamberson and W.L. Everett, was presented by R.H. Lamberson at the North Dakota Academy of Science Meeting, Spring 1966.

Long, Robert L.

ARMU-NRTS Technical Orientation Conference,

Oct. 25-27, 1965, Idaho Falls, Idaho.

American Nuclear Society Meeting, Nov. 15-18, 1965, Washington, D.C.

Symposium on Neutron Noise, Waves, and Pulse Propagation, February 14-16, 1966, Gainesville, Florida.

AMU-ANL Nuclear Engineering Education Conference, Jan. 31 - Feb. 1, 1966, Argonne, Illinois.

1966 New Mexico State Science Fair, NMIMT, Judge for Trinity Section, ANS.

O'Dell, R. Douglas

Chairman, Education Committee, Trinity Section, American Nuclear Society.

ARMU-NRTS Technical Orientation Conference, Oct. 25-27, 1965, Idaho Falls, Idaho.

Fourth Annual Student Conference, ANS, April 22-24, 1966, Urbana, Illinois.

1966 New Mexico State Science Fair, NMIST,
Judge for Trinity Section, ANS.

Whan, Glenn A.

Member, National Education Committee, American
Nuclear Society.

Attended Eleventh Annual ANS Meeting, Gatlinburg,
Tennessee, June 21-24, 1965.

Attended Winter ANS Meeting, Washington D.C.,
November 15-18, 1965.

Attended Fourth Annual Student Conference,
University of Illinois, April 22-24, 1966.

Attended Seventh Annual AMU-ANL Nuclear Engineer-
ing Education Conference, Argonne National
Laboratory, Chicago, Illinois, Jan. 31 - Feb. 1,
1966.

Attended Symposium on Water Production Using
Nuclear Energy, University of Arizona, Tucson,
Arizona, March 30 - April 1, 1966.

7. Other Professional Activities

Everett, Willis L.

Served as Chairman of the Associated Rocky
Mountain Universities Nuclear Education and
Training Committee.

Long, Robert L.

Consultant on Fast Burst Reactor Operations,
White Sands Missile Range, New Mexico.

Whan, Glenn A.

Engineering Consultant for Sandia Corporation.

8. Non-teaching University Service

Everett, Willis L.

Served on Engineering Doctoral Committee.

Served as faculty advisor for doctoral students
in Nuclear Engineering.

Long, Robert L.

Chairman, ad hoc Committee on Radiological
Control.

O'Dell, R. Douglas

Member, Schedule Committee of the College of
Engineering.

Whan, Glenn A.

Director, Los Alamos Graduate Center.

Head of the Graduate Nuclear Engineering Program.

Member of Graduate Committee.

Member of Engineering Administrative Committee.

Member of Engineering Library Committee.

9. Public Service

Long, Robert L.

Senior High Youth Group Counselor, Choir

Member, Trinity Methodist Church.

O'Dell, R. Douglas

Elder in St. Andrew Presbyterian Church.

THE REPORT OF THE COLLEGE OF FINE ARTS

July 1, 1965 - June 30, 1966

Clinton Adams, Dean

The central fact dominating every activity of the College of Fine Arts during 1965-66 was a massive increase in student enrollment, by far the largest in recent years. Each of the College's four departments shared in the total increase.

The first section of this report is devoted to problems and developments directly related to rising enrollments, the second is a discussion of other activities and achievements, and the third concerns itself with plans and recommendations for the future.

I. ENROLLMENT AND STATISTICS

It is difficult to account for the exceedingly rapid increase in enrollment this past year. It was neither predicted nor predictable, and the College was ill-prepared to meet it.

In terms of student credit hours, the College growth from 1964-65 to 1965-66 was 29.2%; that of the University was 17.8%. In each of the past three years enrollment in art and architecture has risen at rates much in excess of the University as a whole, with the result that the cumulative increase in SCH since 1962-63 is 84.0% in art and 113.2% in architecture.

The sudden increase in enrollment in music is due in part to an exceptional summer session in 1965, up 164.2% over 1964.

TABLE 1
Student Credit Hours (annual totals)

	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66
Arch	1,364	1,178	1,148	1,494	1,928	2,447
Art	5,364	6,239	6,138	7,310	8,964	11,295
Drama	1,241	1,407	1,181	1,558	1,751	2,382
Music	3,777	4,724	4,650	5,290	5,084	6,774
CFA	11,746	13,548	13,117	15,652	17,727	22,617
UNM	177,323	190,599	209,683	231,976	267,796	315,432

TABLE 2
Percentage Increase in SCH over Previous Year

	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66
Arch	*	-13.6	- 2.5	30.1	29.0	26.9
Art	15.6	16.3	- 1.6	19.1	22.6	26.0
Drama	4.3	13.4	-16.1	31.9	12.4	36.0
Music	4.2	25.1	- 1.6	13.8	- 3.9	33.2
CFA	*	15.3	- 3.2	19.3	13.2	29.2
UNM	6.2	7.5	10.0	10.6	15.4	17.8

The number of students enrolled in the College did not increase in proportion to the increase in student credit hours. Three factors were responsible.

(1) Most importantly, the number of fine arts majors enrolled in University College and the Graduate School increased at a rapid rate. The number of graduate students in art and music rose from 61 in Semester I, 1964-65, to 92 in Semester I, 1965-66, an increase of 52.4%.

(2) A greater number of students from other colleges enrolled in fine arts courses.

(3) There was a small increase in average program load.

*Data not comparable. The Department of Architecture was in the College of Engineering in 1959-60.

TABLE 3
Students Enrolled in the College of Fine Arts

	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66
Summer	61	66	88	103	120	143
Fall	188	248	263	292	323	348
Spring	213	256	275	302	344	378

TABLE 4
Degrees Granted by the College of Fine Arts

	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66
BA:FA	-	1	5	10	12	12
BFA:Art	16	19	24	30	34	40
BFA:Drama	6	6	9	7	11	6
B.Music *	18	6	12	7	16	15
B.Arch	5	7	3	9	14	12
Total	45	39	53	63	87	85

Two decisions reached by the College faculty during 1965-66 may have a mitigating effect upon enrollment pressures.

Beginning in the fall of 1966, the undergraduate curricula have been restructured. Students entering the "professional curricula" will be required to achieve a grade point average of 2.5 in a sequence of pre-requisite courses, and subsequently to maintain this average in all courses attempted in the major field. Students in the non-professional curricula will be limited as to the maximum number of hours that may be taken in the major field.

Simultaneously, the faculty voted to adopt new policies with respect to probation and suspension. In effect, these changes amount to a more stringent enforcement of existing university regulations.

*The B.F.A. in Music was granted prior to 1966.

The increases in enrollment over the past five years have not been accompanied by corresponding increases in the size of the faculty. As a result, faculty-student ratios have risen sharply since 1960-61.

TABLE 5
FTE Students

	Sem. I 1960-61	Sem. I 1965-66
Arch	45.6	83.1
Art	157.6	323.8
Drama	34.8	69.9
Music	111.9	183.3
CFA	350.0	660.1

TABLE 6
Faculty-Student Ratios

	Sem. I 1960-61	Sem. I 1965-66
Arch	11.4	13.9
Art	14.3	21.8
Drama	8.7	16.1
Music	7.5	10.5
CFA	9.7	15.6

These data indicate that the College cannot in the next five years absorb enrollment increases as it has in the past. The faculty-student ratios maintained in 1965-66 are approaching limits which cannot be passed without loss of quality in instruction. In coming years it will become imperative to create new faculty positions approximately in direct proportion to rising enrollments.

Recruitment of new faculty proved to be markedly more difficult in 1965-66 than in prior years. In part this resulted from a national shortage of qualified persons in many areas of the fine arts, and from intense competition among institutions for the services of those who are available; in part it stemmed from the fact that average salaries in the College of Fine Arts are lower than in the University as a whole. In certain fields, notably the history of art and architecture, the limitations of our library and museum collections aggravated the problem.

It is a pleasure to report that despite all difficulties it finally proved possible to make excellent appointments in most position vacancies. Two positions remain unfilled for 1966-67, one in the history of renaissance and baroque art, and the other in the art museum.

The increase in enrollment also added to the administrative work of the College. During the year it became apparent that an Assistant Dean must be appointed to assume primary responsibility for student counselling and advisement, as well as to assist the Dean in the development of policy and curricula. Mr. Donald C. McRae, Assistant Professor of Music, has accepted this appointment.

II. OTHER ACTIVITIES AND ACHIEVEMENTS

A direct consequence of the increase in enrollment was serious pressure upon teaching space. During 1965-66 only the department of music had sufficient space for instruction. Art, architecture, and drama were badly crowded; in some areas, intolerably so.

In January, 1966, a detailed study was submitted to the Administrative Vice President, Dr. Sherman E. Smith, describing space requirements in art and architecture. The data included in this report served to demonstrate that unless substantial additional space were to be provided these departments prior to the beginning of the fall semester of 1966 it would prove impossible to accommodate enrollment demand.

Subsequently, upon Dr. Smith's recommendation, it was decided to lease space adjacent to the campus to house the department of architecture, and to reassign the space vacated in the Crafts Annex and Parsons Hall to the Department of Art. Arrangements were soon completed for lease of

a building located on the southwest corner of Stanford Drive and Central Avenue, and in the late spring remodelling was begun so as to fit the building to the needs of the department of architecture. When completed it will provide excellent facilities for the department's work.

The critical difficulties under which the department of drama must operate have been a subject of comment in every annual report of recent years. There was, unfortunately, no way to alter these circumstances during 1965-66, nor are prospects better in the coming year. Indeed, it would appear that the department may lose some of the inadequate space that it now has, for the barracks, H-2, must be removed to permit construction of a new building for the College of Engineering.

Despite the ingenious improvisations of the drama faculty and their students, there can be no question but that the deplorable physical setting in which the department works has had an adverse effect upon every aspect of its program. These conditions were a factor in the decision of Mr. Bruce McMullan to leave the faculty in June, 1966. A man of the highest qualifications, he will be sharply missed.

The music department will gain greatly through installation of the long awaited Holtkamp organ, included in the original plans for the Recital Hall but not in the building contract. The organ was placed on order during 1965-66 and will be installed in the spring of 1967.

Construction continued on the Concert Hall, scheduled for completion in the fall of 1966. The Concert Hall Board was established and the new Director, Mr. William J. Martin, was appointed. The College of Fine Arts eagerly anticipates the immense contribution that the Concert

Hall will make to the cultural life of the campus, and looks forward to the opportunity to work closely with Mr. Martin in the development of its program.

When, in 1963, the Art Museum (then the Art Gallery) was established as a new department of the College of Fine Arts, it was understood that the directorship would be a full-time job. Subsequently, with the departure of the former chairman of the department of art to accept a position elsewhere, Mr. Van Deren Coke assumed the chairmanship of the department as well as the directorship of the museum. With the continuing growth of the department and the expanding activity of the museum, the two positions became an impossible task for one man to accomplish, and in the fall of 1965 Mr. Coke requested that he be relieved of the directorship of the museum, effective June, 1966. Despite an intensive search for candidates it did not prove possible to make an appointment for 1966-67, and the search will continue during the coming year.

We acknowledge with deep appreciation Mr. Coke's excellent work as museum director during its initial and active years.

Mr. Thomas R. Vreeland, Jr., assumed the chairmanship of the department of architecture in the fall of 1965. Immediately, in consultation with the faculty, he began study of the architectural curriculum. As a result of this study it was decided to undertake a complete revision of the department's program of instruction, substituting a new 6-year architectural curriculum for the 5-year program that previously has been offered. The changes proposed were subsequently adopted by the faculty.

As planned, the new program will be established in sequential phases beginning in the fall of 1966. The first degrees will not be awarded under the new program until June of 1971.

In the spring of 1966 an application was submitted to the National Architectural Accrediting Board, and an accreditation visit has been scheduled for the coming year.

It is not possible within the scope of this report to list the individual accomplishments of the faculty. These are given in detail in the several departmental reports and in the annual supplements to the biographical record. Included with this report are copies of the FINE ARTS CALENDAR which serve to indicate the activity of the College in sponsorship of exhibitions, concerts, recitals, plays and lectures.

III. PLANS AND RECOMMENDATIONS

With arrangements completed to provide adequate housing for the departments of art and architecture during the years immediately ahead, the single, most pressing physical need of the College is construction of the drama unit of the Fine Arts Center. It is impossible to overstate the urgency of the department's present situation.

Preliminary discussions with respect to the new drama building have begun with Vice President Smith and the University Architect, Mr. Hooker. These discussions will continue in the coming year.

Because major curricular revisions have recently been accomplished, it is not thought likely that significant changes will be made in the coming year. It is probable, however, that the College should give early thought to further extension of its graduate programs between 1968 and

1972. Studies should be made to determine whether resources will permit establishment of Ph.D. programs in music and in the history of art, as well as graduate degrees at the master's level in drama and architecture. The initial explorations which have been made with respect to an inter-departmental program in environmental planning and design should and will be continued.

The increasing emphasis upon graduate instruction will make it necessary to add to the senior faculty. Although the fine arts were not included among the fields surveyed in the report recently prepared for the American Council on Education, our position does not differ greatly from that of the University as a whole. To improve our present programs, as well as to achieve the recognition that these programs already merit, we are going to find it necessary to attract scholars and artists of national distinction. To do this we must be prepared to pay salaries substantially higher than those now offered by the College. In equity we must move simultaneously to provide commensurate increases in the salaries of the distinguished senior men already on the faculty.

The growth of the University at all levels indicates that the faculty and administration must give increasing attention to the development of instructional methods capable of handling large numbers of students without loss in educational effectiveness. An effort must also be made to develop better means of student selection. It is hoped that analyses of past and present student performance may provide data which will be helpful. Improvements must also be made in counselling and testing. Studies must be undertaken with respect to new audio and visual aids to instruction.

Three of the recommendations included in last year's report must be repeated this year:

(1) That the University examine the existing structure of the summer session to determine whether it is the best that can be devised;

(2) That maximum support be given to the University Library so that its collections may be brought to an adequate level for use in existing and contemplated graduate programs of instruction; and

(3) That provision be made for recognition of the time spent in supervision of theses and dissertations when computing faculty teaching loads.

The entire University was saddened by the death of Emeritus Professor Kenneth M. Adams on June 27, 1966. For many years one of the best loved and most distinguished members of the university faculty, Mr. Adams will be missed by all who knew him. A bronze Torso by Gaston Lachaise will be purchased by the University and dedicated in Ken's memory. It will be permanently installed in the foyer of the Concert Hall.



FINE ARTS CALENDAR

490

COLLEGE OF FINE ARTS
THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

NUMBER 1 1965-66

Current exhibitions:

UNIVERSITY ART GALLERY, Fine Arts Center
Hours: 12 to 5 p.m., daily except Monday and Saturday

Photographs by Aaron Siskind: continuing through October 10.

An exhibition of two hundred photographs by the distinguished American photographer, Aaron Siskind, documents his work from 1935 to 1965. Siskind comments about his work: "When I make a photograph I want it to be an altogether new object, complete and self contained, whose basis condition is order -- unlike the world of events and actions whose permanent condition is change and disorder."

20th Century Music Notation: continuing through October 24.

Beginning October 3 and continuing through October 29.

JONSON GALLERY, 1909 Las Lomas Road, N.E.
Hours: Daily, 10 a.m. to 6 p.m.

Texturologies and Relief Constructions by Roland Pickens

Mr. Pickens, who received his BFA degree from UNM in 1958 is presently arts and crafts instructor at Madison Junior High School in Albuquerque.

Tuesday, October 5.

PIANO RECITAL by APHRODITE MITCHELL
Fine Arts Center Recital Hall. 8:15 p.m.

Miss Mitchell, a native of Santa Fe now resident in Greece, received her BFA degree at UNM and a Master of Music degree at the Eastman School of Music. She has performed widely in the United States, England, Italy and Greece.

Sunday, October 17.

UNM PROGRAM SERIES, Johnson Gymnasium. 8:15 p.m.
Season tickets: \$6.00
Student admission on UNM activity card.

Uncle Vanya by Anton Chekhov.

The Cleveland Play House, oldest and largest resident theater organization in the United States, will present its widely acclaimed production of one of the timeless classics of the stage.

Beginning October 17 and continuing through November 21.

UNIVERSITY ART GALLERY, Fine Arts Center
Hours: 12 to 5 p.m., daily except Monday and Saturday

Alexei Javlenky Retrospective Exhibition

This major exhibition of drawings and paintings by the Russian born painter, Alexei Javlenky, was assembled by the Pasadena Art Museum and includes many examples from the noted Galka E. Scheyer Collection. It surveys Javlenky's work from his early Expressionist heads, still-lives and landscapes to his deeply religious "Meditations" of 1934/1938.

Prints, drawings and watercolors by Feininger, Klee and Kandinsky

A small exhibition of works by Feininger, Klee and Kandinsky, who together with Javlenky made up the group called "The Blue Four," has been assembled by the UNM Art Gallery as a "footnote" to the Javlenky Retrospective.

Friday, October 22 through Thursday, October 28.

UNIVERSITY THEATRE, Rodey Hall. Nightly at 8:30 p.m.
Season tickets: \$3.60. Single admission: \$1.15.
Student admission on UNM activity card.
Advance reservations required.

Right You Are If You Think You Are by Luigi Pirandello.

On the face of it, Right You Are is the purest instance of "drama of ideas," a veritable exhibition of the many facets of the prism of truth -- namely, that truth is relative and subjective: what seems to me, or you, to be so is so.

Beginning October 31 and continuing through December 3.

JONSON GALLERY, 1909 Las Lomas Road, N.E.
Hours: Daily, 10 a.m. to 6 p.m.

Recent Paintings by Ed Garman.

Raymond Jonson comments: "Garman's concept includes in the creation of a work an entirely controlled procedure through the process of reasoning. The aim has been one of discovery in forming the concept and in demonstrating esthetically the potentialities inherent to and projected by the structure." Mr. Garman has for many years lived and worked in Imperial Beach, California.

Wednesday, November 3.

UNM PROGRAM SERIES, Union Ballroom. 8:15 p.m.
Season tickets: \$6.00
Student admission on UNM activity card.

Hal Holbrook as Mark Twain

In his authentic recreation of a Mark Twain lecture appearance, Hal Holbrook gives his audience the entire range of Twain's humor, from hilarious irreverence, to wistful nostalgia, to sardonic satire. Said The New Yorker: "Holbrook brings Mark Twain back alive."

Friday, November 5.

UNM SYMPHONY ORCHESTRA, Fine Arts Center Foyer.
Season tickets: \$3.00. Single admission: \$1.50.
Student admission on UNM activity card.

The program of the UNM Orchestra's initial concert of the 1965-66 season will include the Third Symphony of Roy Harris, Concerto for Four Violins by Vivaldi and the French Suite by Werner Egk.

Sunday, November 7.

UNM STAGE BAND, Union Ballroom. 8:15 p.m.
Admission charge to be announced.

Trumpet soloist at the first performance of the Stage Band will be Carl "Doc" Severinson, well known to American audiences through his appearances on the NBC "Tonight" Show. He is noted both for his classical and jazz performances.

NOTE

Beginning with this issue, the Fine Arts Calendar lists only the UNM Program Series and events sponsored by the College of Fine Arts. Events are free to the public except as noted.



FINE ARTS CALENDAR

COLLEGE OF FINE ARTS
THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

491

NUMBER 2 1965-66

The Fine Arts Calendar lists only the UNM Program Series and events sponsored by the College of Fine Arts. Events are free to the public except as noted.

Continuing through November 21

University Art Museum. Fine Arts Center.

ALEXEI JAWLENSKY RETROSPECTIVE EXHIBITION

A major exhibition of drawings and paintings by Alexei Jawlensky selected principally from the collections of the Pasadena Art Museum.

Prints, Drawings and Watercolors by FEININGER, KLEE and KANDINSKY.

A small exhibition assembled by the UNM Art Museum as a "footnote" to the Jawlensky Retrospective.

Continuing through December 3

Jonson Gallery, 1009 Las Lomas Road, N.E.

Hours: Daily, 10 am to 6 pm.

RECENT PAINTINGS BY ED GARMAN.

Raymond Jonson comments: "Garman's aim has been one of discovery in forming the concept and in demonstrating esthetically the potentialities inherent to and projected by the structure."

Friday, November 5

UNM SYMPHONY ORCHESTRA. Fine Arts Center Foyer.
8:15 pm.

Season tickets: \$3.00. Single admission: \$1.50. Student admission on UNM activity card. Tickets available at Fine Arts Center Ticket Office.

Works to be performed are the Third Symphony of Roy Harris, Concerto for Four Violins by Vivaldi and the French Suite by Werner Eick.

Sunday, November 7

UNM STAGE BAND. Fine Arts Center Recital Hall. 8:15 pm.

Single admission: \$2.00. Student admission on UNM activity card. Tickets available at the Fine Arts Center Ticket Office.

Carl "Doc" Severinson, well-known for his appearances with the NBC "Tonight Show" orchestra, will be the guest trumpet soloist.

Saturday, November 13

UNM PROGRAM SERIES. Johnson Gymnasium. 8:15 pm.

Season tickets: \$6.00. Student admission on UNM activity card.

IN WHITE AMERICA.

Variety called its New York opening "The most unusual and one of the most rewarding productions of the season." A cast of seven, with musical accompaniment, provides a dramatic account of the history of the Negro in America.

Sunday, November 14

UNM PROGRAM SERIES, New Mexico Union Ballroom.
8:15 pm.

BALASARASVATI.

Balasarasvati's performances of the ancient and intricate temple dances of her culture have won acclaim in Tokyo, London, Paris and New York.

Sunday, November 21

ALBUQUERQUE YOUTH SYMPHONY.

New Mexico Union Ballroom. 4:00 pm.

Co-sponsored by the Albuquerque Public Schools and UNM, this orchestra is made up of senior high school students selected by audition. Works by Bach-Stokowski, Schubert, Tchaikowsky, and Nelson will be performed.

Monday, November 22

Piano Recital by GEORGE ROBERT.

Fine Arts Center Recital Hall. 8:15 pm. Admission: \$1.00.

George Robert, Professor of Music at UNM has chosen selections from Haydn, Schubert, Schumann, Chopin and Barger for this performance.

Beginning November 23, continuing through December 17

University Art Museum. Fine Arts Center.

Opening Reception: 7:30-10:00 pm.

Recent Paintings by PAUL BRACH.

The New York painter, Paul Brach, will be Artist-in-Residence at UNM under a Ford Foundation grant administered through the American Federation of the Arts. Mr. Brach's paintings and lithographs have been exhibited nationally, most recently in the exhibition, *The Responsive Eye*.

Tuesday, November 23

Lecture by PAUL BRACH: "The Spirit of the Sixties—What's New in American Art?"

Fine Arts Center Recital Hall. 8:30 pm.

Beginning November 29, continuing through December 17

University Art Museum. Fine Arts Center.

Opening Reception: 7:30-10:00 pm.

PURCHASE EXHIBITION.

The second annual purchase exhibition will include approximately 75 paintings, drawings, prints and sculptures selected by the Art Museum staff. Visitors are encouraged to take advantage of this opportunity to purchase works of fine quality and reasonable price.

Beginning November 29, continuing through January 30

University Art Museum. Fine Arts Center.

Opening Reception: 7:30-10:00 pm.

THE JULIUS ROLSHOVEN COLLECTION.

This is the initial exhibition of the Julius Rolshoven Collection, presented to the Art Museum in 1965 as a part of the generous bequest of the artist's widow, Harriette Blazo Rolshoven.

Beginning November 29, continuing through January 30

University Art Museum: Print Room.

An exhibition of prints by New Mexico artists selected from the Art Museum's Permanent Collection.

Wednesday, December 9

Lecture by PAUL BRACH: "Op Art—A Question of Semantics?"

Fine Arts Center Recital Hall. 8:30 pm.

Fine Arts Center Ticket Office: Phone 277-4805.

This office will be open Tuesday and Thursday: 10:00-12:30 and 1:00-2:30; Saturday: 1:00-2:30; also one hour prior to each event requiring tickets.

University Art Museum. Fine Arts Center.

The Museum will be open daily from 12 to 5 p.m., except on Monday and Saturday. Guided group tours arranged by appointment.



FINE ARTS CALENDAR

COLLEGE OF FINE ARTS

THE UNIVERSITY OF NEW MEXICO

ALBUQUERQUE

492

NUMBER 3 1965-66

The Fine Arts Calendar lists the UNM Program Series and events sponsored by the College of Fine Arts. Events are free to the public except as noted.

Continuing through December 17

UNIVERSITY ART MUSEUM. Fine Arts Center.

Purchase Exhibition

The second annual purchase exhibition includes approximately 75 paintings, drawings, prints and sculptures selected by the Art Museum staff. Visitors are encouraged to take advantage of this opportunity to purchase works of fine quality and reasonable price.

Continuing through January 30

UNIVERSITY ART MUSEUM. Fine Arts Center.

The Julius Rolshoven Collection

This is the initial exhibition of the Julius Rolshoven Collection, presented to the Art Museum in 1965 as a part of the generous bequest of the artist's widow, Harriette Blazo Rolshoven.

UNIVERSITY ART MUSEUM: Print Room

An exhibition of prints by New Mexico artists selected from the Art Museum's Permanent Collection.

Thursday, December 2

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

Student Chamber Concert

Participating in this concert will be the Chamber Singers directed by Douglas McEwen and the Percussion Ensemble directed by Dale Kemper. Among the works performed will be "Suite for Percussion" by William Kraft.

Sunday, December 5

FINE ARTS CENTER RECITAL HALL. 4:00 p.m.

Sigma Alpha Iota Vespers

UNM's chapter of the national women's music honorary will present its annual program of Christmas Music.

Beginning December 5, continuing through December 31

JONSON GALLERY, 1909 Las Lomas Road, NE.

Exhibition of Paintings by Howard B. Schleeter

A resident of New Mexico since 1929, Mr. Schleeter has mastered a variety of media and techniques, many of which are represented in the works shown in this exhibition.

Monday, December 6

JONSON GYMNASIUM. 8:15 p.m.

UNM PROGRAM SERIES: Filipiniana

The folk dances of their home island of Leyte, from the Chinese influenced "Sakuting," to the "Ba Bayo" of the rice harvesters, are the specialty of this talented, all-student troupe.

Wednesday December 8

FINE ARTS RECITAL HALL. 8:30 p.m.

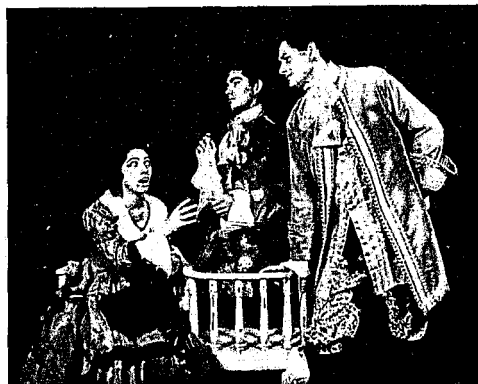
LECTURE by Paul Brach: "Op Art—A Question of Semantics?"

Thursday, December 9

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

Student Recital

Antionette Voute, a senior, will give a piano recital.



TARTUFFE: Cynthia Bordelon as Madame Pernelle, John Poage as Cleante, Phil Nicholson as Damis.

Friday, December 10 through Thursday, December 16

UNIVERSITY THEATRE. Rodey Hall. Nightly: 8:30 p.m.

Season tickets: \$3.60. Single admission: \$1.15. Student admission on UNM activity card. Advance reservations required.

Tartuffe by MOLIERE

George Saintsbury called Moliere "The Master of the Laugh" and Lionel Abel has written that Moliere "lifted comedy to a level of artistry and refinement it had never had before nor has had since."

Sunday, December 12

FINE ARTS CENTER RECITAL HALL. 4:00 p.m.

Albuquerque Junior Orchestra

The Junior Orchestra is composed of string students from the Albuquerque junior high schools who have been selected by audition for this performance. This program is co-sponsored by the Albuquerque Public Schools and the University of New Mexico.

Tuesday, December 14

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

University Chorus and A Cappella Choir

Among the works to be performed under the direction of Douglas McEwen will be "A Ceremony of Carols" by Benjamin Britten, with harp and chorus.

Wednesday, December 15

FINE ARTS CENTER FOYER. 8:15 p.m.

UNM Concert Band

William Rhoads will direct the Concert Band in the performance of such familiar music as "Youth Triumphant," the "Doxology," and other works.

Fine Arts Center Ticket Office: Phone 277-4805

Open Tuesday and Thursday: 10:00-12:30 and 1:00-2:30; Saturday: 1:00-2:30; also one hour prior to each event requiring tickets.

University Theatre Ticket Office: Phone 277-4402; 4522

Open from December 2nd to 16th, daily 3:00-6:00 p.m.

University Art Museum. Fine Arts Center

The Museum will be open daily from 12:00-5:00 p.m., except on Monday and Saturday. Guided group tours arranged by appointment.

Jonson Gallery, 1909 Las Lomas Road, NE.

The Gallery is open daily from 10:00 a.m. to 6:00 p.m.



FINE ARTS CALENDAR

493

COLLEGE OF FINE ARTS

THE UNIVERSITY OF NEW MEXICO

ALBUQUERQUE

The Fine Arts Calendar lists the UNM Program Series and events sponsored by the College of Fine Arts. Events are free to the public except as noted.

NUMBER 4 1965-66

Continuing through January 30

UNIVERSITY ART MUSEUM. Fine Arts Center

The Julius Rolshoven Collection

This is the initial exhibition of the Julius Rolshoven Collection, presented to the Art Museum as a part of the generous bequest of the artist's widow, Harriette Rolshoven.

UNIVERSITY ART MUSEUM: Print Room.

An exhibition of prints by New Mexico artists selected from the Museum's Permanent Collection.

Beginning January 2, continuing through January 28

JONSON GALLERY. 1909 Las Lomas Road, NE.

Exhibition of Work by Walter Rutkowski

Mr. Rutkowski is a member of the Art Education faculty and has been teaching at UNM since 1964. The work exhibited will include ink drawings, paintings, prints and collages.

Friday, January 7

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

Student Recital

A senior recital will be given by two of the Music Department's students, Bonnie Husler, Trumpet, and Charles Davis, Bassoon.

Friday, January 7

FINE ARTS CENTER, ROOM 218. 8:30 p.m.

LECTURE by Tudor G. Ingersoll:

"Architects and Developing Countries."

Mr. Ingersoll, noted English architect, will discuss the building and design problems of the developing countries of Africa, Asia and Latin America.

Beginning January 9, continuing through February 6

UNIVERSITY ART MUSEUM. Fine Arts Center.

Recent works by

Members of the Faculty of the Department of Art

Wednesday, January 12

THE KIVA, EDUCATION COMPLEX. 8:30 p.m.

LECTURE by Robert Venturi:

"Accommodation in Architecture."

Mr. Venturi is a gifted and highly original architect who practices and teaches in Philadelphia. His forthcoming book "Complexity and Contradictions in Architecture" will be published by the Museum of Modern Art. Mr. Venturi will be on campus January 9-17.

Friday, January 14 through Sunday, January 16

UNM OPERA WORKSHOP. Fine Arts Center Recital Hall. 8:15 p.m.

Single admission \$2.00. Student admission on UNM Activity Card. Advance reservations required for all seats.

Ariadne auf Naxos by RICHARD STRAUSS

Ariadne auf Naxos, one of the later works of Richard Strauss, is based on the Greek myth of Ariadne and her romance with Bacchus. The opera, which is in one act with prologue, will be sung in English translation.

Friday, January 21

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

Student Recital

A senior recital will be given by Anne Wilkinson, Cellist.

Beginning January 30, continuing through February 25

JONSON GALLERY. 1909 Las Lomas Road NE.

Recent Paintings by Richard Kurman

This is Mr. Kurman's seventh exhibition at the Jonson Gallery since 1958. He is also studying at UNM for a Master's degree.

Beginning February 6, continuing through March 6

UNIVERSITY ART MUSEUM: Lower Gallery

Recent Paintings by Jesse Reichel

Saul Bellow comments on Reichel's work: "[He] shows us the bonds of matter, tangle and clarity, form on the borders of chaos, equilibrium which only just succeeds in maintaining itself." Mr. Reichel is Professor of Design at the University of California.

Beginning February 13, continuing through March 13

UNIVERSITY ART MUSEUM. Fine Arts Center.

Opening Reception: 3:00-5:00 p.m.

The Drawings of Andrew Dasburg

A comprehensive selection of 60 drawings borrowed from major museums and private collections. Mr. Dasburg, who has lived in New Mexico for many years, in 1959 was honored by a Retrospective Exhibition circulated nationally by the AFA under a Ford Foundation Grant.

The Collection of W. H. & Rebecca S. James

Works by such well known artists as Nicholas Pechin, Marsden Hartley, Gaston Lachaise, John Marin, Georgia O'Keeffe and Alfred Steiglitz will be included in this exhibition. This important collection has been assembled over a period of many years by Mr. & Mrs. James, who have personally known many of the artists.

Beginning February 13, continuing through March 13

UNIVERSITY ART MUSEUM. Print Room.

Oriental Prints from the Josef Imhof Collection

Tuesday, February 15

FINE ARTS CENTER FOYER. 8:15 p.m.

UNM Program Series: Marni Nixon

A leading performer with the San Francisco Opera Company and star of three Carnegie Hall concerts, Miss Nixon's voice has been featured on many recordings of works ranging from the soundtrack of *The King and I* to the songs of Stravinsky and Schoenberg.

Wednesday, February 16

FINE ARTS CENTER RECITAL HALL. 8:30 p.m.

LECTURE by Boyd Alexander: "The Dream Castle of an English Romantic."

Fonthill Abbey was built in the late 18th century and is the home of William Beckford, author and collector. Mr. Alexander will talk about Beckford's writings and the architecture of Fonthill Abbey.

Sunday, February 20

NEW MEXICO UNION BALLROOM. 4:00 p.m.

Albuquerque Youth Symphony

Admission: \$1.00 for adults, 50¢ for students. Tickets may be purchased at the door.

The Youth Symphony will perform "Die Fledermaus" by Johann Strauss. Soloists will be Martha Amsden playing Mozart's "Eine Concerto," and Marilyn Hoff playing Saint Saens' "Allegro Appassionata."

Friday, February 25

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

S.A.I. Musicale

The Alumnae Chapter of Sigma Alpha Iota, music fraternity, annually presents this musicale to promote contemporary American music.

Fine Arts Center Ticket Office: Phone 277-4805

Open Tuesday and Thursday: 10:00-12:30 and 1:00-2:30;

Saturday: 1:00-2:30; also one hour prior to each event requiring tickets.

University Theatre Ticket Office: Phone 277-4402; 4522

Closed during January and February.

University Art Museum. Fine Arts Center

The Museum will be open daily from 12:00-5:00 p.m., except on Monday and Saturday. Guided group tours arranged by appointment.

Jonson Gallery. 1909 Las Lomas Road, NE.

The Gallery is open daily from 10:00 a.m. to 6:00 p.m.



FINE ARTS CALENDAR

COLLEGE OF FINE ARTS
THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

494

NUMBER 5 1965-66

The Fine Arts Calendar lists the UNM Program Series and events sponsored by the College of Fine Arts. Events are free to the public except as noted.

Continuing through March 13

UNIVERSITY ART MUSEUM

The Drawings of Andrew Dasburg

A comprehensive selection of 81 drawings by a distinguished New Mexico artist. Following its showing in Albuquerque, the exhibition will be seen in Fort Worth, Los Angeles, Colorado Springs and Austin.

The Collection of W. H. & Rebecca S. James

Works by Thomas Benfino, Nicholas Fochin, Marsden Hartley, Gaston Lachaise, John Marin, Georgia O'Keeffe and Alfred Steiglitz are included in the exhibition.

Oriental Prints from the Josef Imhof Collection

Continuing through March 27

UNIVERSITY ART MUSEUM: Lower Gallery

Recent Paintings by Jesse Reichel

Beginning February 27, continuing through March 17

JONSON GALLERY

Work from the Permanent Collections

An exhibition of work by Raymond Jonson and other artists included in the Gallery's permanent collections.

Tuesday, March 1

FINE ARTS CENTER FOYER. 8:15 p.m.

Season ticket \$3.00; single admission \$1.50; student admission on UNM activity card.

UNM Symphony Orchestra

Beethoven's Symphony No. 7 and Brahms' Symphony No. 2 will be among the works performed.

Friday, March 4

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

Single admission \$1.50; student admission 50¢ with UNM activity card.

UNM Stage Band

The University Stage Band has been formed to keep alive the traditions of the "Big Band" which is disappearing from the American scene. George Roberts, guest soloist, is without peer as a bass trombonist and has done much to give the instrument the status it has achieved in today's dance band.

Sunday, March 6

JOHNSON GYMNASIUM. 8:15 p.m.

UNM Program Series: The Westminster Choir

The 40-voice Westminster Choir has performed with orchestras conducted by Arturo Toscanini, Bruno Walter, Sergie Rachmaninoff, Leopold Stokowski, Charles Munch and Leonard Bernstein.

Monday, March 14

FINE ARTS CENTER FOYER. 8:15 p.m.

UNM Concert Band

Stan Getz, tenor saxophonist, will be guest soloist, performing the "Concerto for Jazz Artist and Concert Band" by John Duffy. The entire saxophone part in this work is marked, "Improvise."

Friday, March 18

NEW MEXICO UNION BALLROOM. 8:15 p.m.

UNM Program Series: Sables

In a recent performance at New York's Town Hall, Sables' flamenco guitar drew the adjective "breathtaking" from the music critic of the Times.

Friday, March 18 through Thursday, March 24

UNIVERSITY THEATRE. Rodey Hall. Nightly: 8:30 p.m.

Season ticket \$3.00; single admission \$1.15; student admission on UNM activity card. Advance reservations requested.

The Physicists by FRIEDRICH DUERRENMATT

An important new play which focuses attention on contemporary man and science. In a macabre and ironic vein Duerrenmatt investigates the impossibility of escaping one's thinking—the problem of human knowledge and its consequence.

Beginning March 20, continuing through April 10

JONSON GALLERY

Paintings by G. Nino Ermocida

Mr. Ermocida of Bern, Switzerland, will exhibit a group of 23 paintings on plexiglass, titled "Cycle from the Gospel of Luke."

Monday, March 21

FINE ARTS CENTER RECITAL HALL. 8:30 p.m.

LECTURE by Niklaus Morgenthaler:

"The Seidlund Halern."

The Seidlund Halern is an outstanding housing settlement near Berne, Switzerland, for which Mr. Morgenthaler was the architect.

Friday, March 25

FIRST BAPTIST CHURCH, 101 Broadway, NE. 8:15 p.m.

Student Recital

Ann Hugood, a senior, will give an organ recital.

Friday, March 25

FINE ARTS CENTER RECITAL HALL. 8:00 p.m.

LECTURE by Gerald Nordland:

"Sculpture in the First Half of the Twentieth Century."

Mr. Nordland, who is Director of the Washington Gallery of Modern Art, has written extensively on sculpture and painting in leading art periodicals. His lecture is sponsored by the Junior League of Albuquerque.

Beginning March 25, continuing through May 1

UNIVERSITY ART MUSEUM. Fine Arts Center

Opening Reception: following the lecture by Mr. Nordland

Twentieth Century Sculpture.

A major exhibition of modern sculpture, the first of its scope to be held in New Mexico, including works by Barlach, Calder, Degas, de Rivera, Lachaise, Lipchitz, Matisse, Moore, Picasso, Rodin, Smith, and others. The exhibition is co-sponsored by the Junior League of Albuquerque and the University Art Museum.

Beginning March 29, continuing through April 17

UNIVERSITY ART MUSEUM

Collegiate Scene Design Today

A selection of work by student designers who have won awards in the Southern Illinois University Intercollegiate Scenic Design Competitions from 1962 to 1964.

Thursday, March 31

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

Student Recital

Kathleen Cassel, a senior, will give a piano recital.

Fine Arts Center Ticket Office: Phone 277-4805

Open Tuesday and Thursday: 10:00-12:30 and 1:00-2:30;
Saturday: 1:00-2:30; also one hour prior to each event requiring tickets.

University Theatre Ticket Office: Phone 277-4402; 277-4522

Open 3:00-6:00, daily except Sunday, March 10 to 24.

University Art Museum. Fine Arts Center

The Museum will be open daily from 12:00-5:00 p.m., except on Monday and Saturday. Guided group tours arranged by appointment.

Jonson Gallery. 1909 Las Lomas Road, N.E.

The Gallery is open daily from 12:00 to 6:00 p.m.



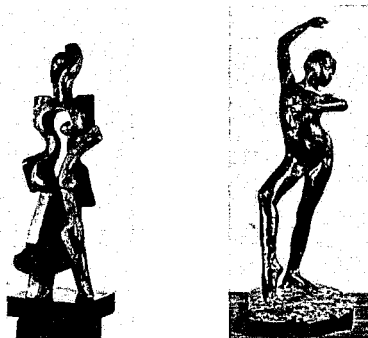
FINE ARTS CALENDAR

COLLEGE OF FINE ARTS
THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

495

NUMBER 6 1965-66

The Fine Arts Calendar lists the UNM Program Series and events sponsored by the College of Fine Arts. Events are free to the public except as noted.



Left: ARCHIPENKO, *Walking Woman*, Bronze, 1912. Collection Denver Art Museum, Charles Bayly Fund.
Right: DEGAS, *Spanish Dancer*, Bronze, c.1881. Collection David Daniels, New York.

Continuing through May 1

UNIVERSITY ART MUSEUM, Fine Arts Center

Twentieth Century Sculpture

A major exhibition of modern sculpture, the first of its scope to be held in New Mexico, including works by Barlach, Calder, Degas, de Rivera, Lachaise, Lipchitz, Matisse, Moore, Picasso, Rodin, Smith and others. The exhibition is co-sponsored by the Junior League of Albuquerque and the University of New Mexico.

Continuing through April 17

UNIVERSITY ART MUSEUM, Fine Arts Center

Collegiate Scene Design Today

A selection of work by student designers who have won awards in the Southern Illinois University Intercollegiate Scene Design Competitions from 1962 to 1964.

Continuing through April 10

JONSON GALLERY

Paintings by G. Nino Ermocida

Mr. Ermocida of Bern, Switzerland, is exhibiting a group of 23 paintings on plexiglass, titled "Cycle from the Gospel of Luke."

Saturday, April 2 and Sunday, April 3

UNIVERSITY THEATRE, Rodey Hall

Admission 75¢. Advance reservations requested. Performances: April 2 at 10:30 a.m., 1:00 p.m., 3:30 p.m.; April 3 at 1:00 p.m., 3:30 p.m.

The Three Bears by CHORPHENNING

A delightful children's play taken from the familiar fairy tale. The characters will be dressed in medieval costumes.

Thursday, April 14

FINE ARTS CENTER RECITAL HALL, 8:15 p.m.

Lecture by Albert E. Elsen:

"Rodin and Modern Sculpture"

Dr. Elsen has been engaged in intensive research on the art of Rodin for many years, culminating in his book *Rodin*, published in 1963 by the Museum of Modern Art. He is Professor of Art at Indiana University.

Beginning April 12, continuing through May 6

JONSON GALLERY

Paintings by Enrique Montenegro

A painter of national reputation, Mr. Montenegro is this year teaching advanced courses in drawing and painting in the UNM Department of Art. He is Associate Professor of Art at The Pennsylvania State University.

Sunday, April 17

FINE ARTS CENTER RECITAL HALL, 4:00 p.m.

Sigma Alpha Iota Musicale

A program of contemporary music by American composers will be given by members of SAI, a women's music fraternity.

Friday, April 22 through Sunday, April 24

FINE ARTS CENTER RECITAL HALL, 8:15 p.m.

Dance Workshop Production

Single admission \$1.50; children 75¢; UNM students 75¢.

Tickets available after April 11.

The Magic Bird, Uirapuru by HECTOR VILLA LOBOS

Music by this Brazilian composer will be interpreted by students of the Dance Workshop. The performance will be followed by a lecture-demonstration with music written by Deryl Newell, a graduate student in music. Three students of choreography will also present original works.

Beginning April 24

UNIVERSITY ART MUSEUM, Fine Arts Center

Traditions of Lithography, I: The Crayon Print

An exhibition of works by 19th and 20th century masters, selected principally from the permanent collections of the Art Museum.

Friday, April 29

FINE ARTS CENTER RECITAL HALL, 3:30 p.m.

SYMPOSIUM: Directions in 20th Century Sculpture

Participants will include Mr. Felix Landau, of the Felix Landau Gallery, Los Angeles; and Professors John Tatschl, Van Deren Coke and Clinton Adams.

Student Recitals: Department of Music

FINE ARTS CENTER RECITAL HALL, 8:15 p.m.

Friday, April 15

Margaret Bowling, Violin

Monday, April 18

Jeanne Grealish, Mezzo-soprano, accompanied by Jane Snow, Piano

Tuesday, April 26

Robert Rhodes, Bass clarinet

Friday, April 29

Margaret Barela, Piano

Fine Arts Center Ticket Office: Phone 277-4805

Open Tuesday and Thursday: 10:00-12:30 and 1:00-2:30; Saturday: 1:00-2:30; also one hour prior to each event requiring tickets.

University Theatre Ticket Office: Phone 277-4402; 277-4622

Open 3:00-6:00; closes April 4.

University Art Museum, Fine Arts Center

The Museum will be open daily from 12:00-5:00 p.m., except on Monday and Saturday. Guided group tours arranged by appointment.

Jonson Gallery, 1909 Las Lomas Road, N.E.

The Gallery is open daily from 12:00 to 6:00 p.m.



FINE ARTS CALENDAR

COLLEGE OF FINE ARTS
THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

495

NUMBER 7 1965-66

The Fine Arts Calendar lists the UNM Program Series and events sponsored by the College of Fine Arts. Events are free to the public except as noted.

Continuing through May 22

UNIVERSITY ART MUSEUM. Lower Gallery

Traditions of Lithography, I: The Crayon Print

An exhibition of lithography by 19th century masters from Ingres to Toulouse-Lautrec, selected principally from the permanent collections of the Art Museum.

Continuing through May 22

UNIVERSITY ART MUSEUM. Lower Gallery

Greek Vase Painting

A display of nine Corinthian and Attic vases dating from the 5th century, B.C., on loan from Fogg Art Museum of Harvard University.

Continuing through May 6

JONSON GALLERY

Paintings by Enrique Montenegro

A number of national reputation, Mr. Montenegro is this year teaching advanced courses in drawing and painting in the UNM Department of Art. He is Associate Professor of Art at The Pennsylvania State University.

Wednesday, May 4

FINE ARTS CENTER FOYER. 8:15 p.m.

UNM Concert Band and University Chorus

As a special feature the Band and Chorus will jointly present "Alexander Nevsky" by Prokofiev. This will be the first performance of this special band transcription. The work will be sung in Russian.

Sunday, May 8

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

Phi Mu Alpha Sinfonia Musicale

This national professional music fraternity, whose goal it is to advance the cause of music in America, presents its Spring Musicale featuring the music of contemporary American composers.

Beginning May 8 through June 3

JONSON GALLERY

Paintings by Newton Harrison

Four large recent works by Newton Harrison, two of which have not been previously shown. Mr. Harrison is Assistant Professor of Art at UNM and supervises instruction in Design.

Tuesday, May 10

FINE ARTS CENTER RECITAL HALL. 8:15 p.m.

UNM A Cappella Choir

Among the composers represented on the program will be Palestrina, Handel, Haydn, Mozart, Brahms, Schubert, Barber and Bartok.

Beginning May 10, continuing through May 22

UNIVERSITY ART MUSEUM. Fine Arts Center

Exhibition of Master's Theses

An exhibition of thesis work by candidates for the Master of Art and Master of Fine Arts degrees.

Thursday, May 13

FINE ARTS CENTER FOYER. 8:15 p.m.

UNM Symphony Orchestra

Season ticket; single admission \$1.50; student admission on UNM activity card. Tickets available at the door. Jeanne Grealish, soloist, will join Kurt Frederick and the Orchestra in the performance of Weber's Overture to "Der Freischütz," Wagner's Love Death from "Tristan and Isolde," Britten's "Variations on a Theme by Purcell," and Bartok's "The Miraculous Mandarin."

Sunday, May 15

NEW MEXICO UNION BALLROOM. 4:00 p.m.

Albuquerque Youth Symphony

Season ticket; single admission, \$1.00; student admission 50¢. Tickets available at the door.

The first movement of Tchaikovsky's "Fifth Symphony" and Barber's "Adagio for Strings" will be among the works performed. Several students will be featured soloists.

Sunday, May 22

NEW MEXICO UNION BALLROOM. 4:00 p.m.

Albuquerque Junior Orchestra

Advanced music students from the Albuquerque Public Schools 7th, 8th and 9th grades will include in their program Tchaikovsky's "Marche Slav" and the music of "Carousel" by Richard Rogers.

Beginning Friday, May 20, through Tuesday, May 24

UNIVERSITY THEATRE. Fine Arts Center Recital Hall

Nightly: 8:30 p.m.; Saturday matinee: 2:30 p.m.

Season ticket; single admission \$1.15; school children 90¢; UNM student admission on activity card. Advance reservations requested.

Brigadoon by LERNER and LOEWE

Two young men stumble on an 18th century Scottish village which magically comes into being for only one day in each century. The UNM Stage Band will join the Drama Department in presenting one of the most beautiful and pleasing musical tales ever told.

Beginning May 28 through June 5

FINE ARTS CENTER FOYER

Student Exhibit: Department of Architecture

5th year Architecture students will exhibit their thesis problems.

Beginning May 29, continuing through August 12

UNIVERSITY ART MUSEUM. Fine Arts Center

Student Exhibition: Department of Art

A juried exhibition of paintings, prints, sculpture, ceramics, jewelry and photographs by students currently enrolled in the department.

Student Recitals: Department of Music

FINE ARTS CENTER RECITAL HALL

Monday, May 2. 8:15 p.m.

McDowell Kenley, Trombone

Friday, May 6. 4:00 p.m.

Stanley Thomas, Vocal

Friday, May 6. 8:15 p.m.

Kenneth Adkins, Trombone (Graduate)

Sunday, May 8. 2:00 p.m.

Ray Barker, Trombone and Larry Trout, Clarinet

FINE ARTS CENTER, Room M-17

Friday, May 13. 8:15 p.m.

Charles Davis, Bassoon (Honors Recital)

Fine Arts Center Ticket Office: Phone 277-4805

Open Tuesday and Thursday: 10:00-12:30 and 1:00-2:30; Saturday: 1:00-2:30; also one hour prior to each event requiring tickets.

University Theatre Ticket Office: Phone 277-4402; 277-4522

Open Monday through Saturday 3:00-6:00 beginning May 9.

University Art Museum, Fine Arts Center

The Museum will be open daily from 12:00-5:00 p.m., except on Monday and Saturday. Guided group tours arranged by appointment.

Jonson Gallery. 1909 Las Lomas Road, N.E.

The Gallery is open daily from 12:00 to 6:00 p.m.

The Report of the Department of Architecture
July 1, 1965 - June 1966
Thomas R. Vreeland, Jr., Chairman

I. General departmental information

A. Significant achievements during the academic year, 1965-66.

1) A new six-year curriculum was introduced to replace the former five-year one. The first two years of this curriculum are spent in prearchitectural studies; upon its satisfactory completion, the student is admitted into the four-year formal architecture program. Two degrees are offered in the new curriculum: a Bachelor of Arts in Fine Arts at the end of the Senior Year; and a Bachelor of Architecture after the fifth and sixth year. Because of the 2-2-2 structure of the new curriculum, the department believes it will have the degree of flexibility the previous five-year program lacked and which is needed in administering to the wide range of backgrounds, experiences and abilities found among architecture students. It will hopefully reduce the department's previous high attrition rate.

The new curriculum came as the result of a study of curricula of architectural schools throughout the country. The new chairman was fortunately able to travel and observe firsthand the teaching in leading architectural schools from California to Massachusetts. He talked with leading educators, collected a quantity of course material and attended several conferences of the newly-formed A.I.A. Education Research Project. At two of them he was asked to present the department's new curriculum as a model for small state-supported schools.

2) The outstanding guest of the department this year was Robert Venturi, the young Philadelphia architect who has recently risen to national prominence. Mr. Venturi was with the department for almost a week after Christmas, during which time he gave three lectures to the students and acted as critic in several of the design laboratories. In addition, Mr. Venturi gave an evening lecture in the Kiva to the general public, which was well attended by the University and the local architects. Other guest speakers of the department were Terry Ingersoll, from the Tropics Division of the Architectural Association in London, who talked on "Architects and the Developing Countries;" Boyd Alexander, from England, who lectured on Sir William Beckford and Fonthill Abbey; and Howard Barnstone, from the University of Houston, who gave a talk entitled "What's Wrong With Our Cities, Anyway?"

3) An innovation in teaching this year was the introduction both to fourth and fifth year students of the new computer-based design technique developed by Christopher Alexander. The students' response and grasp of this radical departure from traditional design method was excellent; and the department can look forward to increasing use and understanding of computer methods in its work with the students in the future. Particularly encouraging was the enthusiastic cooperation of the Computer Research Division of the University (and in particular of programmer Robert Young who put untold hours into developing the necessary programs.)

4) The number of students majoring in architecture climbed again this year, as evidenced in the tables that follow. It is worth mentioning here that the more stringent standard imposed by the new curriculum (a 2.5 average in all courses attempted in the major in the first two years), coupled with the added year required for the degree, makes quite unpredictable whether the future enrollment in architecture will continue to rise or not.

1961-62		1962-63		1963-64		1964-65		1965-66		
Sem	Sem	Sem	Sem	Sem	Sem	Sem	Sem	Sem	Sem	
1	2	1	2	1	2	1	2	1	2	
53	34	72	64	59	55	83	59	98	98	- Year One
50	42	22	24	17	18	21	31	34	44	- Year Two
25	19	19	16	25	20	25	24	29	26	- Year Three
13	11	20	18	17	16	15	10	15	14	- Year Four
13	11	14	10	15	15	18	17	16	12	- Year Five
		11		9	12	14	16	8	8	- B.A. in Fine Arts
154	117	147	143	142	136	176	157	200	202	

5) A most significant development this year was the University's decision to lease a building at the corner of Stanford and Central within which to relocate the Department of Architecture. This building is being entirely remodeled to suit the department and will include a large machine shop, principally for the use of the new Architecture 201 course. The department will move in its entirety into the completed building next September.

B. Significant Plans and Recommendations for the near future.

1) The introductory course in architecture, henceforth to be known as Arch. 101, was radically revised in the second semester of this school year. As a result of this experience, the department requested and got a \$1000 research grant from the A.I.A. Education Research Project to study

methods of teaching the visual meaning of architecture. Nevertheless, considerable work remains to be done by the department before this aspect of the teaching can be considered satisfactory.

2) The department suffers seriously from its isolation within the University. In order to establish interdepartmental ties, it will be important in the future to develop joint work at a research level with other departments or university agencies. A wealth of subject material for such research exists at present in the work presently being handled by the Office of Economic Opportunity and the Peace Corps. Studies could be either sociological or technological in nature and modeled after the work done in migratory workers housing by Sim Van der Ryn or low-cost housing by Henry Sanoff, both of Berkeley, and could combine the talents of such diverse agencies as the departments of Sociology or Anthropology, the Bureau of Business Research or even the New Mexico Institute of Technology and Mining. The Chairman has already approached Albuquerque Gravel Products, who have expressed a willingness to finance and participate in a research project investigating the adaptability of lightweight concrete to low-cost housing in this climate.

3) The department needs more diversification of teaching in the design program. Several solutions are evident.

a) Rather than concentrate individual teachers in any single year, use a team teaching approach where a variety of permanent faculty can be brought into the class during the year.

- b) As the classes get larger, two or more instructors will need to be assigned to a single year. This will already be in effect next year in Arch. 201 and 301.
- c) An active program of visiting critics during the year should be instituted. This would be of immense value in a school such as this where otherwise students would rarely come into contact with first-rate architects. At present money appropriated for visitors is only sufficient to bring them for two or three days. In the future every effort should be made to secure money to bring visiting critics for periods of six weeks or more.

4) In the future a much more carefully structured type of teaching must be substituted in the design courses for the present loosely-organized, studio-type problems. This will take the form of carefully prepared lecture material, seminar work sessions, extensive assigned research and reporting of same by students, and so forth. The department will expect in the future that design teachers will devote considerably more time to course preparation and research than they have in the past.

C. Appointments to Staff

1) Ronald Eichorn, presently an instructor in architecture at the University of California (Berkeley), has been appointed full-time instructor for 1966-67. Mr. Eichorn will be in charge of the new Architecture 201-202 course, which begins next year.

2) Arthur Jones, presently an instructor in architecture at the University of Pennsylvania, has been appointed assistant professor for 1966-67. Mr. Jones will teach third-year design and assist Mr. Eichorn in second-year.

D. Separations from Staff.

1) Assistant Professor Harold Benson will leave U.N.M. at the end of the 1966 summer session to devote himself full time to his practice.

2) Part-time Lecturer Charles Quinlan will leave U.N.M. at the end of the 1966 summer session to accept a full-time teaching position at California Polytechnic Institute. His replacement has not yet been appointed.

II. Composite of information requested on individual biographical supplements.

1) Advanced study.

Vreeland, Thomas R., Jr.
Architectural registration, State of New Mexico
N.C.A.R.B. Certification

2) Sabbaticals, etc.

Benson, Harold R.
Travel to Washington, D. C. to attend National AIA
Convention

Heimerich, John J.
Sabbatical leave for travel and study of architecture in
Europe

Jarrett, James R.
Travel to Chicago, Illinois to investigate Trump System
in Public School Education
Illinois Institute of Technology to study architecture
curriculum and
Los Angeles, California to study architecture curriculum
at U.S.C. and U.C.L.A.
Berkeley, California to study architecture curriculum
and attend research conference

Vreeland, Thomas R., Jr.

Visited architecture departments in following universities:

Washington University, St. Louis, Mo.

University of Illinois, Chicago, Ill.

Illinois Institute of Technology, Chicago, Ill.

University of Michigan, Ann Arbor, Michigan

University of Southern California, Los Angeles, Calif.

U.C.L.A., Los Angeles, Calif.

University of California, Berkeley, Calif.

University of Oregon, Eugene, Oregon

Harvard University, Cambridge, Mass.

Mass. Institute of Technology, Cambridge, Mass.

Yale University, New Haven, Conn.

Columbia University, New York, N.Y.

Princeton University, Princeton, N.J.

University of Kentucky, Lexington, Ky.

3) New scholastic honors, etc.

None

4) Publications.

Vreeland, Thomas R., Jr.

Articles:

"An Open Letter to New Mexico's Architects, "New Mexico Architecture

Work published:

Rittenhouse Swim Club, Arts and Architecture, April 1965;

New Mexico Architecture, Nov. 1965

Boston City Hall Competition, New Mexico Architecture, Nov. 1965

Beachcomber Swim Club, Charette, Awards Issue 1965

Tel-Aviv-Yaffo Town Planning Competition, Arts and Architecture, Jan. 1966

Work mentioned in following articles:

"Avant Garde Architecture," by Esther McCoy, Arts in Society, Vol 3, No. 2

"Small Office Practice," by Esther McCoy, Arts and Architecture, May 1966

5) Other research projects, etc.

Benson, Harold R.

Various architectural projects

Heimerich, John J.

Various architectural projects

Jarrett, James R.

Various architectural projects

Participation in competition for Fremont, California

Worked on planning project for Camden, N.J.

Scheigel, Don P.

Various architectural projects

Vreeland, Thomas R., Jr.

Completed major urban renewal project for Camden, N.J.

Received \$1000 grant from AIA Education Research Project
to research visual communication in architecture

6) Activities in learned and professional societies, etc.

Benson, Harold R.

Attended AIA Convention in Washington, D.C.

Heimerich, John J.

Member, AIA, treasurer, local chapter

Jarrett, James R.

Attended ACSA Research Conference in Berkeley, Calif.

Schlegel, Don P.

Attended AIA Regional Meeting in Oct., Phoenix, Ariz.

Attended ACSA Regional Meeting in May, Galveston, Texas

Vreeland, Thomas R., Jr.

Speaker at CASE Conference in Dedham, Mass.

Member, Architectural Panel of New Mexico Fine Arts Commission

Member, AIA Urban Planning Committee

7) Other professional activities, etc.

Jarrett, James R.

Consultant, Office of Economic Opportunity

Speaker on City Planning, Espanola, N.M.

High School Adviser, spring 1966

Schlegel, Don P.

Consultant, North Campus Long Range Plan

Vreeland, Thomas R., Jr.

Work included in "40 under 40" show sponsored by
Architectural League of New York

Lectured at University of Oregon and Washington
University in St. Louis, Mo.

8) Non-teaching University service.

Benson, Harold R.

Adviser, University College students

Heimerich, John J.

Adviser, Fine Arts College students

University Athletic Council

Jarrett, James R.

Adviser, University College students

Department of Architecture Library Committee (slides)

Schlegel, Don P.

Adviser, University College students

Member, Fine Arts Advisory Committee

Department of Architecture Library Committee and

Accreditation Committee

Vreeland, Thomas R., Jr.

Adviser, Fine Arts College students

Member, Campus Planning Committee, Fine Arts Scholarship

Committee, Fine Arts Policy Committee, Governor's Advisory

Panel for Title I of Federal Higher Education Act

9) Public service.

Heimerich, John J.

Deacon and member of official board of Monte Vista

Christian Church

Schlegel, Don P.

Member, State School Coordinating Committee

10) None.

THE REPORT OF THE DEPARTMENT OF ART
JULY 1, 1965 - JUNE 30, 1966
VAN DEREN COKE, CHAIRMAN

A. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR,
1965-66.

Again the increase in enrollment has been the most significant development in the Department of Art. As predicted in the 1964-65 report, the graduate enrollment increased at a greater rate than the undergraduate. Over eighty percent of the one hundred and fifty applicants for graduate study were from out-of-state. This is an indication of the favored position now enjoyed by the Department of Art in other parts of the country.

In the field of art history there has been a substantial increase in enrollment both at the undergraduate and graduate level. Although the department has offered an M.A. in art history for a number of years, there have not been many candidates in the field. This past year there were twelve art history M.A. candidates in residence. Now that the doctoral program in American Studies includes art history as a major area of emphasis, we expect even more graduate students to elect art history as their field of study.

The crowded conditions which prevailed in many of the studio areas will be relieved by the allotment of space to the Department of Art in Parsons Hall, the building formerly occupied by the Department of Architecture. This additional space will not only provide

much needed relief from crowded classrooms but will allow us to allot appropriate working space on campus to our graduate studio majors in painting and sculpture. In the past many graduate students have been forced to rent studio space off-campus, a procedure that is not only unfair economically but unwise from an instructional standpoint.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

This past year a new teaching procedure has been followed in our visual fundamentals course. Involved was a master teacher who lectured to the students in all ten sections of the course and supervised the graduate assistants who conducted the studio aspect of the program. This procedure is economical without appreciable loss of instructional quality and gives our best graduate students teaching experience. In the coming year we are instigating a similar program in our fundamentals of drawing course. Mr. Alfred Young, an English artist trained at the Royal College of Art, will direct this program in consultation with a faculty committee.

In the Fall of 1966 the new General (Liberal Arts) and Professional Curricula will become effective. These programs should provide more specialized instruction for the two primary categories of students enrolled in the Department of Art--art history and liberal arts oriented students and professionally oriented studio majors. Since the Professional Curriculum is restricted

to students of proven high ability it will make possible studies of greater range and depth for those students who qualify for the program. On the other hand the art history majors and liberal arts oriented students will devote a greater portion of their time to the humanities, foreign language and art history.

Again it should be pointed out that although the Fine Arts library has proven to be a great help to art students and faculty, its collection needs to be greatly expanded. For many years inadequate budgets permitted only modest book purchases, and the resultant weaknesses in the collection handicaps the study of art history for the majors in the field as well as for the greatly increased number of serious studio majors and graduate students who minor in art history.

C. APPOINTMENTS TO STAFF

An unusual number of appointments have been made during this past year to meet the needs of our increased enrollment in the studio areas and to enrich our art history program.

Mary Elizabeth Smith, who recently finished her doctoral studies at Yale, has been appointed as Assistant Professor. Professor Smith's specialties are Pre-Columbian and Spanish-Colonial Art history.

Douglas George, a doctoral candidate in American Studies at the University of Minnesota, has been appointed as Assistant Professor. He will teach the Art of the United States, a seminar in American Studies and a section of our introductory art history course.

Due to Professor George's considerable experience in the English Department at the University of Minnesota, he will also assist our graduate students with the preparation of theses and dissertations, a much needed procedure.

Alfred Young, as mentioned above, will supervise our fundamentals of drawing program and teach an advanced course in painting.

Wayne Lazorik, who received his M.F.A. from the University of Minnesota this past year, will teach two courses in photography and one section of Art Appreciation.

William Goodman, who will receive his M.F.A. from the San Francisco Art Institute in June, will teach two beginning courses in sculpture and one course in drawing.

John Pearson, who has recently received his M.F.A. from Northern Illinois University, after considerable training at the Royal College of Art in his native England, will teach two courses in painting and a lecture course in contemporary art.

D. SEPARATION FROM STAFF

This past year we have been fortunate to have two visiting professors who added much to our program. Helmut von Erffa, formerly chairman of the Department of Art at Rutgers was quite effective in our art history program. Retired at Rutgers before he joined our staff, he plans to complete his long researched biography of the painter Benjamin West and not take a

teaching assignment next year.

Enrique Montenegro, who was very successful as a teacher of painting this past year, will return to Pennsylvania State University where he holds a regular appointment as an Associate Professor of Art.

Leroy Morais will leave in June and will accept a position at Towson State College in Baltimore.

John Chamberlain, who has been a part-time visiting artist, has been awarded a Guggenheim Fellowship for 1966-67 and will therefore not be teaching next year.

David Read will also leave in June. He has accepted a position at the University of Miami in Coral Gables, Florida.

William Thonson accepted a position at Humboldt State College in February.

II. COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENT.

1. Advanced Study

none

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

Bunting, Bainbridge - Summer of 1965 in New England. Frequent architectural field trips and museum trips.

Coke, Van Deren - Two months travelling in Greece, Spain, Turkey, France and England.

Lewis, Ralph W. - Painting class, Extension, Western State College (Telluride, Colorado).

Smith, Sam - From June 15 - August 15, 1965, spent in Telluride, Colorado, painting.

von Erffa, Helmut H. - Visited museums in Paris, Florence, Geneva, London, New York. Catalogued three private collections of drawings and paintings by Benjamin West at Ipswich, Farnham, Surrey and Lympme Castle, Kent. Lectured at Ahorn Castle with slides (in German). Did research at the British Museum and the Victoria and Albert Museum.

3. New scholastic honors, fellowships, etc.

none

4. Publications

Bunting, Bainbridge - Survey of Architectural History in Cambridge; East Cambridge Historical Commission, June 10, 1965, 97 pages. "San Felipe Church", New Mexico Architecture, May 1966, pp 9-12. Architectural Heritage of Acoma Pueblo.

Coke, Van Deren - Catalogs & Articles: The Drawings of Andrew Dasburg, Albuquerque: Art Museum, UNM. 1966, 36 pages. Twentieth Century Sculpture (Edited), Albuquerque: Art Museum, UNM. 1966, 48 pages. "Julius Rolshoven Memorial Exhibition" Bulletin, The University of New Mexico Art Museum, The University of New Mexico, No. 1 1965, pp. 5-15. "A New Mexico Landscape by Stuart Davis" Bulletin, The University of New Mexico, No. 1 1965, p. 20.

Ellis, Robert M. - Layout and design of: Bulletin, The University of New Mexico Art Museum, The University of New Mexico, No. 1 1965, 24 pages. The Drawings of Andrew Dasburg, Albuquerque: Art Museum, UNM. 1966, 36 pages. The Collection of William and Rebecca James, Albuquerque: Art Museum, UNM. 1966, 24 pages. Twentieth Century Sculpture, Albuquerque: Art Museum, UNM. 1966, 48 pages.

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

Antreasian, Garo Z. - Technical Advisor, Tamarind Lithography Workshop (Ford Foundation Project).
UNM Research Grant - Exploration of Materials and Equipment for Painting and Lithography.

Bunting, Bainbridge - Summer 1965, Director, Architectural Survey for Cambridge Historical Commission, Cambridge, Mass., work on Cambridgeport area. June 15-September 1. Co-editor, New Mexico Architecture.

Coke, Van Deren - Completed The Drawings of Andrew Dasburg, Albuquerque: Art Museum, UNM. 1966, 48 pages, research grant. Continuing research on the biography of the American painter B.J.O. Nordfeldt. Further research on the various ways photography has been used in the 19th and 20th centuries.

Grow, Ronald L. - UNM Research Grant - Exploration of the Use of Plastics in Sculpture.

Harrison, Newton - UNM Research Grant - Sculptural Possibilities of High Density Forms.

Lewis, Ralph W. - Continuation of project of UNM Research Grant. Studio work in painting, metalwork and jewelry.

Tatschl, John - Completed mural in the Library. Designed a bronze plaque for the School of Law. In Progress: some stained glass windows for a church in Las Cruces, New Mexico.

von Erffa, Helmut H. - In progress article on a painting by West for the Stanford University Museum. Sent drawing: Albuquerque Backyard No. 1 to Museum for Immigration, New York.

6. Activities in learned and professional societies.

Adams, Clinton - Chairman, National Council of Fine Arts Deans, 1965-66. Meetings attended: National Council of the Arts; National Council of Fine Arts Deans; College Art Association of America.

Coke, Van Deren - Mountain Plains Museum Conference; Western Association of Art Museums; Society of Photographic Education (elected a member of the Board of Directors); College Art Association of America; Art Historians of the Pacific Northwest.

Ellis, Robert M. - Western Association of Art Museums.

Paak, Carl E - Secretary, American Association of University Professors; Corrales Art Association, New Mexico Designer Craftsmen; American Craftsmen Council.

Smith, Sam - Elected President, Artists Equity Association; Voted honorary member, The New Mexico Art League; Advisory Board, Lincoln County Art Association.

7. Other professional activities.

Adams, Clinton - Colloquium: "English and the Fine Arts," with Morris Freedman, et al, Aug. 4, 1965; "Shirtsleeve Session," KNME-TV, with Paul Brach and Van Deren Coke, Dec. 2, 1965; "Recent Directions in Sculpture," Panel Discussion with Felix Landau, John Tatschl, et al, Apr. 29, 1966. Paintings and lithographs exhibited in faculty exhibitions at the UNM Art Museum, Highlands University, and the Roswell Museum; and in group exhibitions at the Felix Landau Gallery, Los Angeles; also in "20th Artists West of the Mississippi, 1965," an invitational exhibition at the Colorado Springs Fine Arts Center, July 1, September 15, 1965.

Antreasian, Garo Z. - Exhibitions: Southwest Prints and Drawings Exhibition, Dallas, Purchase Award;

Antreasian, Garo Z. (Cont) - National Print Exhibition, Brooklyn Museum, Purchase Award; Mid-America Exhibition, Kansas Museum, Honorable Mention; Invitational Print Exhibitions: Bard College, Madison Art Center, Library of Congress. Works purchased for following collections: San Jose State College, Miami University, U.S. Information Agency, National Collection Smithsonian.

Bunting, Bainbridge - Several talks on New Mexican art/architecture for church groups, historical society, etc.

Coke, Van Deren - Exhibition of Creative Photography: Art Gallery, Florida State University, One-Man Show, November 1965; Sheldon Memorial Art Gallery, University of Nebraska, Creative Photography: The Sixties, 3 prints, February 1966; Art Museum, University of Oregon, 5 prints, June/July 1966; Annual Exhibition of work by members of the faculty of the Department of Art, 4 prints, January 1966 (subsequently shown at), Roswell Museum and Art Center, Art Gallery, New Mexico Highlands University. Creative Photography published: Photography Annual, 1966 p. 114; Creative Photography: The Sixties, 1966, p. 15; P.C. Herald: Book 14, 1966, pp. 1, 6, 7, 11, 14, 15.

Grow, Ronald L. - Exhibitions: Southwest Prints & Drawings, Dallas Museum of Art; Southwestern College, Purchase Award.

Harrison, Newton - Group Exhibitions: CORE Invitational, New York City; Westchester Annual; Hudson River Museum; Roswell Museum, UNM Art Museum; Highlands University. One Man Show: Jonson Gallery.

Lewis, Ralph W. - Invited Artist, Arizona Craftsmen Exhibition; Witte Museum Painting Invitational; Wichita National Craftsmen's Exhibition. Designed and cast John Dustin Clark Memorial Award, N.M. Society of Chemists Cover. Illustrations, New Mexico Wildlife. Guest, KNME.

Paak, Carl E. - Exhibitions: National Ceramics Exhibit, Miami Florida; National Invitational Ceramics Exhibit, San Jose State College; Art Museum, University of New Mexico; New Mexico Highlands University, Roswell Museum and Art Center; Los Lomas Gallery; State Fair Craft Show; Corrales Art Association Craft Show.

Smith, Sam - One Man Exhibitions: Los Alamos Building and Loan Association, Los Alamos, Botts Gallery, Albuquerque. Paintings exhibited: Las Lomas Gallery, Albuquerque; Santa Fe Biennial Exhibition; Four Hills Country Club, Albuquerque; Baker Collector Gallery, Lubbock, Texas; Sheridan Hotel, Telluride, Colorado; Jorgensen Gallery, Ouray, Colorado; Apline Artists Holiday, Ouray Colorado; New Mexico State Fair; Security Federal and First National Bank, Albuquerque; Exhibition of work by the Department of Art Faculty, New Mexico Highlands University; Artist Equity Show, Albuquerque; Art League Invitational Show, Albuquerque; Stone Galleries, Albuquerque; Four paintings on exhibit in the Administration Building, UNM. Prizes: 1st prize, Alpine Artist Holiday Show, Ouray, Colorado; 1st prize, watercolor, New Mexico State Fair. Judged the following exhibitions: Carlsbad Area Art Show; 2nd Annual Aspencade Art Show, Ruidoso; New Mexico Art League Annual; Tables Extraordinaire, Assistance League of Albuquerque. Represented in Permanent Collections: Arlington State College; Museum of New Mexico; New Mexico Art League.

8. Non-teaching University service.

Adams, Clinton - Dean, College of Fine Arts. Committees: Administrative Committee; Entrance and Credits. Ad hoc committee, Concert Hall Fine Arts Allowance. Concert Hall Board.

Goke, Van Deren - Chairman, Department of Art; Director, University Art Museum; Member of the Graduate Committee, University Committee on Gifts to Libraries, Museums and Galleries; College of Fine Arts Advisory Committee. Graduate and undergraduate advisor.

Ellis, Robert M. - Assistant Director, University Art Museum. Faculty advisor. Assisted in organizing Friends of Art. Advisory Committee, Department of Art.

Grow, Ronald L. - Advisory Committee, Department of Art; University Student Standards Committee. Faculty advisor.

Harrison, Newton - Guest lecturer, Honors Program-- Work of Paul Brach; Guest lecturer on color phenomena in Dr. J. Howarth's class in Optics. Faculty advisory.

Lewis, Ralph W. - Extension Division and Registration Committee. Faculty advisor.

Paak, Carl E. - Board of Directors, Harwood Foundation; President, Coronado Credit Union. Fine Arts Advisory Committee. Faculty advisor.

Smith, Sam - Chairman, Research Allocations Committee. Faculty advisor.

9. Public Service.

Antreasian, Garo Z. - Judge, Old Town Arts and Crafts Fair. Lecture on Lithography, Corrales Art Association.

Coke, Van Deren - Lectured to: Art League of New Mexico; Junior League of Albuquerque (5 times); Juried 4th Army annual Photographic Exhibition, Sandia Base; Chairman, Albuquerque Fine Arts Board.

Ellis, Robert M. - Board of Directors, Arts and Crafts Fair.

Harrison, Newton - Demonstration and lecture on art therapy technique for disturbed children. State Hospital, Las Vegas, New Mexico.

Paak, Carl E. - Board of Directors, First Unitarian Church; Chairman, Art Committee.

10. Personal information.

Kacere, John - Married September 1965

The Report of the University Art Museum

July 1, 1965 - June 30, 1966

Van Deren Coke, Director

CHANGE OF DESIGNATION

When the Fine Arts Center was opened in 1962, the name "Art Gallery" was an appropriate designation for the new exhibition facilities incorporated in the building. With the development of the exhibition program and the growth of the collection, the term "gallery" no longer seems appropriate, as it does not have the connotation of permanence or of professional direction associated with the term "museum." For this reason and to give potential donors a feeling of reassurance in regard to the treatment and preservation of their gifts, the name of the University Art Gallery was changed to the University Art Museum.

STAFF

Van Deren Coke continued as Director of the University Art Museum with Robert M. Ellis serving as Assistant Director. Other members of the staff have been: James C. Moore, Preparator, a student enrolled in the Honors Program, majoring in Art History; Eddie F. H. Wong, Graduate Assistant; and Mrs. Ellen F. Bellingham, Museum Secretary.

EXHIBITIONS

Nineteen exhibitions were shown in the galleries during the period of this report, the majority of which were organized by the Museum staff. This represents an increase of four exhibitions above the number shown the previous year.

The year opened with an exhibition of outstanding photographs by the noted contemporary photographer, Aaron Siskind, on loan from George Eastman House museum.

This was followed by the Alexei Jawlensky Retrospective, 1864-1941, lent us by the Pasadena Art Museum, to which was added (from local collections) Prints, Drawings and Watercolors by Lyonel Feininger.

Wassily Kandinsky and Paul Klee, the other members of The Blue Four.

From November 29, 1965, to January 30, 1966, were shown the twenty-three paintings comprising the Julius Rolshoven Memorial Collection, the gift of Mrs. Harriet Blazo Rolshoven, augmented by loans of other works by the artist lent by Mr. Norbert Heermann of Woodstock, New York.

From November 29 to December 17, the Second Annual Purchase Exhibition was held. This, like the Purchase Exhibition of the previous year, was eminently successful. Again this year Sandia Savings and Loan Association helped to make this exhibition possible. The Association contributed \$300 for the organization of the show and guaranteed purchase of a number of works to encourage the various art dealers to lend pictures for possible purchase by the Museum and members of the community. Of the 117 works shown, 47 were sold.

An innovation at this Purchase Exhibition was the offering for sale of five lithographs prepared by members of the University Department of Art faculty: Clinton Adams, Kenneth M. Adams, Garo Z. Antreasian, Robert M. Ellis and Sam Smith. These impressions were printed at the UNM Lithography Workshop in editions of 25, of which 10 were donated by the artists to the Museum for sale to the public, the proceeds of the sale to be used for scholarship and acquisition funds.

The Purchase Exhibition was followed in the upper gallery by the Annual Exhibition of Work by Faculty Members of the Department of Art. After the close of this exhibition at the University, it was shown at the Roswell Museum and Art Center.

In the spring a major exhibition of drawings by the Taos artist, Andrew Dasburg, was organized by the Museum staff. It is also being exhibited at the Colorado Springs Fine Arts Center, the Los Angeles Municipal Art Gallery, the Art Gallery of the University of Texas and the Amon Carter Museum of Western Art, Fort Worth. Alfred Frankenstein, art critic of the San Francisco Examiner, in reviewing the show, said, "I have always thought of this artist as a skilled but not especially exciting member of the Taos school of

painters; his drawings however reveal him as the greatest draughtsman of landscape since Van Gogh.... The catalogue, containing an introductory essay by Van Deren Coke ... is a model of what such things should be."

At the same time the drawings of Mr. Dasburg were on display, the Museum also showed the private collection of William and Rebecca James of Taos, New Mexico, including works by such noted artists as John Marin, Marsden Hartley, J. M. Millet, Gaston Lachaise and others.

A major event in the history of New Mexico art took place in March and April, when the first large-scale sculpture exhibition ever held in the state was put on display. Organized under the co-sponsorship and assistance of the Junior League of Albuquerque, the show, Twentieth Century Sculpture, consisted of 40 masterpieces of sculpture. These, with 13 prints and drawings by sculptors, were lent by 35 galleries and private collectors. Visitors described the show as "the most beautiful we have ever seen," "thrilling," "an impressive show, a credit to Albuquerque and New Mexico."

Like the Impressionism in America exhibition held last year, the Twentieth Century Sculpture show was made possible by funds held in trust for the community of Albuquerque by the Junior League. In addition to paying the major portion of the costs for the exhibition and the catalog, many Junior League members participated in the selection of the work borrowed and in the organization of the exhibition and the catalog.

Attendance at this exhibition was 7,500, the largest attendance at any exhibition at the Museum except Art Since 1889, held in the fall of 1964, which totaled 9,794. At first glance, these figures may not seem large; however, when last year's exhibition, Impressionism in America, was loaned to the De Young Museum of San Francisco, a city of more than a million population, attendance there was 13,435, and the Director felt that it was a very successful exhibition. We feel that our attendance of 7,500 at the sculpture exhibition was impressive, based on a population of 12,000 students, a faculty and staff of 1,500 and a community of 300,000. At the same time, we feel

that there are still many people who have not benefited from the exhibitions of the University Art Museum and hope that future shows will attract an even wider audience.

In connection with the sculpture exhibition, two public lectures and a symposium were held. The first, at the time of the opening reception, was delivered by Gerald Nordland, Director of the Washington Gallery of Modern Art; his topic was Sculpture in the First Half of the Twentieth Century. Albert E. Elsen, Professor of Art at Indiana University and an authority on Rodin, discussed Rodin and Modern Sculpture. Near the end of the exhibition a panel discussion was held on the subject Directions in Twentieth Century Sculpture. Participants were Felix Landau, of the Felix Landau Gallery, Los Angeles, and Professors Clinton Adams, Van Deren Coke and John Tatschl. These lectures and the symposium were very well attended by both students and members of the community.

From April 24 to May 22 was shown an important exhibition of prints titled Traditions of Lithography: The Crayon Print assembled primarily from prints in the Permanent Collection of the University in conjunction with a graduate seminar on lithography taught by Dean Clinton Adams.

Recent works of two contemporary painters were included in the exhibition schedule: Jesse Reichel, Professor of Art of the University of California at Berkeley and advisor on curriculum for the Departments of Art and Architecture; and Paul Brach, the distinguished New York artist and teacher, now at the Parsons School of Design.

Mr. Brach spent a month with the University Art Museum as Artist-in-Residence under the auspices of the American Federation of Arts, which administered a grant for this purpose from the Ford Foundation. The grant permitted major practicing artists to spend four or five weeks in various galleries and museums to acquaint the public with some of the ideas and techniques of contemporary artists. During his visit, Mr. Brach gave two formal public lectures, addressed the Junior League of Albuquerque Museum docents and several groups

of art students, a group from the Department of Philosophy, and a seminar course in contemporary music. He also participated in a seminar of the University's Honors students. In addition, he talked informally with a large number of advanced students about their development as artists.

A number of smaller exhibitions were shown during the year, perhaps the most notable being a selection of Greek Vases of the fourth and fifth centuries, B.C., from the Fogg Art Museum of Harvard University. These were exhibited in connection with Professor Helmut von Erffa's graduate seminar on Greek vase painting. Of interest to music students was an exhibition on Twentieth Century Music Notation, lent us by the Coleman Chamber Music Society, and of interest to students of dramatic art the exhibition of Collegiate Scene Design from the Art Museums and Theatres Project, AETA.

During December and January a selection of Prints by New Mexico Artists from the Museum's Permanent Collection were shown in the Print Room, followed, in February, by Nineteenth Century Japanese Prints from the collection of Mrs. Joseph A. Imhof of Taos, New Mexico.

The two final shows of the year were the thesis exhibitions of ten candidates for the degrees Master of Arts or Master of Fine Arts, and the Annual Exhibition of Work by the Students of the Department of Art.

GALLERY PUBLICATIONS 1965/66

The Bulletin of the University Art Museum, The University of New Mexico was inaugurated with publication of its first number, Winter 1965/66. This publication was issued at the time of the Julius Rolshoven Memorial Exhibition. The 24-page, illustrated Bulletin contained an article by Van Deren Coke on Julius Rolshoven's career as an artist together with notes by Clinton Adams summarizing the development of the Museum and print collection. Several important acquisitions were described, among them the Stuart Davis New Mexico Landscape and an eighteenth-century Spanish-American Inmaculada. The Bulletin will be published at least once a year in the future.

Other Museum publications during this period included the following exhibition catalogs:

"The Drawings of Andrew Dasburg." Text by Van Deren Coke; designed by Robert M. Ellis. University of New Mexico Art Museum publication. 36p., 40 black and white illus., including cover plate.

"The Collection of William and Rebecca James." Introduction by Rebecca James; text selected by the Museum staff; designed by Robert M. Ellis. University of New Mexico publication. 24p., 22 black and white illus., including cover plate.

"Twentieth Century Sculpture." Introduction by Van Deren Coke; text selected by Van Deren Coke in collaboration with members of the Junior League of Albuquerque; designed by Robert M. Ellis in collaboration with members of the Junior League of Albuquerque. 48p., 45 black and white illus.

An illustrated checklist was prepared for the exhibition of Recent Paintings by Jesse Reichel.

PERMANENT COLLECTION - PURCHASES

An important group of prints, primarily by nineteenth-century artists, was added to the Permanent Collection by purchase. Significant among these were ten prints selected from the Purchase Exhibition, including a drypoint Self Portrait by Beckmann; Gris' lithograph, Marcelle la Blonde; Picasso's etching, Blind Minotaur Led by Girl with Fluttering Dove, from his Suite Vollard; and an impression of Goya's etching, Folly of the Carnival, from the 1864 edition. Mr. and Mrs. William C. Briggs added as a gift to the Museum the 1891 edition of the same Goya print so that students could compare the differences between the various editions. Other purchases during the year included two lithographs by Isabey, two by Géricault, Senefelder's Lion Killing a Deer, and Toulouse-Lautrec's Judic et Dihau, all of which were included in the exhibition, Traditions of Lithography: The Crayon Print, and a cliché-verre by Corot, Cache-Cache.

PERMANENT COLLECTION - GIFTS

Two memorial gifts made during the year were outstanding in a year of important additions to the collections. Mrs. B. J. O. Nordfeldt gave \$1,200 for the purchase of a print in memory of her late husband. With this gift an impression of Cézanne's most important lithograph, The Bathers, was purchased.

Contributions to a Memorial Fund in memory of the late Vera Jonson, wife of Professor Raymond Jonson, totalled \$1,423, enabling the Museum, in consultation with Mr. Jonson, to purchase an oil painting by the contemporary artist Ilya Bolotowsky entitled Rising Tondo. Also in her memory a watercolor, Cascade, was given by the artist Douglas Denniston, an early recipient of the Master of Arts degree from the University of New Mexico, now a professor at the University of Arizona. Artist Ed Garman gave his acrylic polymer painting, Variation of a Structure No. 35, as a memorial to Vera Jonson.

Mentioned elsewhere in this Report is the gift of ten impressions of lithographs by five members of the faculty of the Department of Art for resale, one of each to be added to the Permanent Collection:

Clinton Adams. Enchantress. Color lithograph, 1965.
 Kenneth M. Adams. Adobe Plasterer. Lithography, 1965.
 Garo Z. Antreasian. Arc. Color lithograph, 1965.
 Robert M. Ellis. nn-scape. Color lithograph, 1965.
 Sam Smith. Winter Aspen. Color lithograph, 1965.

Other gifts of note have been:

From Mrs. George Kluckhohn, Kenneth Adams' portrait of Jane Kluckhohn, formerly professor in the Department of English.

Three gifts of works by Julius Rolshoven were added to the Memorial Collection. Mr. Norbert Heermann of Woodstock, New York, gave a sketchbook of the artist containing pencil drawings made in New Mexico, and a pastel, Figure on Horseback, which was a study for the painting now in the Zimmerman Library, Land of Sip-O-Phe. Van Deren Coke gave a pencil drawing, a study for the same painting.

An aquatint, Cordova, by Doel Reed, given by the artist.

From the Estate of Inez Sizer Cassidy, through The Bancroft Library, University of California, Berkeley, nine lithographs and four lithographic plates by the late Gerald Cassidy, Santa Fe artist.

A collage, Yellow Way, a gift of the artist, William McGee, who took his Bachelor of Fine Arts degree at the University of New Mexico and now teaches at Hunter College of the City of New York.

From the Allen Tucker Memorial, through the Milch Galleries, New York, an oil, New Mexico, by Allen Tucker.

Four lithographs by Joseph A. Imhof, the gift of Mrs. Joseph A. Imhof.

A small oil by Ernest L. Blumenschein, Marketplace at Nice, from the Erna Fergusson Estate.

From Mr. Martin Seligson of Geneva, Switzerland, a painting by Olga Bober entitled Gypsy with Cards.

From Mr. Clinton Adams an engraving, dated 1540, by Ghisi, David Slaying Goliath.

From Mr. Van Deren Coke a selection of ten photographs by Edward Weston.

As our Permanent Collection grows, the Museum is being asked to lend works to exhibitions at other institutions. It is very important that we establish reciprocal arrangements of this kind, since we shall always have to depend upon other museums and galleries for the development of many of our exhibitions. Last year we lent to the Washington Gallery of Modern Art an important oil by Richard Diebenkorn from our collection. During the current year our Stuart Davis, New Mexico Landscape, and a woodcut by Erich Heckel, Near Ostend, were lent for an exhibition titled The Colleges and Universities Collect at Northern Arizona University at Flagstaff, Arizona. These works all appeared in the catalogs of these exhibitions, which acquainted many people with the fact that the University of New Mexico now has an Art Museum and growing collection.

FRIENDS OF ART

During the year a group of people interested in the development of the Museum formed the Friends of Art of the University Art Museum with the idea of obtaining community support to expand the range of exhibitions and add significant works of art to the Permanent Collection. Several meetings have been held and officers elected: Mr. Frederick F. McCaffrey, President; Mr. Howard Stump, Vice-President; Mrs. Harvey S. Hoshour, Secretary-Treasurer. Plans have been made for membership solicitation in the fall of 1966. Robert Ellis, Assistant Director of the Museum, has been very active in the organization and development of this important group.

SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

Tentative plans for exhibitions during 1966/1967 include:

In September and October, an exhibition of approximately thirty works by Georgia O'Keeffe;

In October and November, Edge of Pop, a survey of works by West Coast artists who use certain aspects of "Pop" art; sculpture by John Chamberlain, who has been visiting artist at the University of New Mexico during Semester II, 1965/66 and who has just received a Guggenheim Fellowship;

In November and December, Young Talent in Architecture - 40 under 40, on loan from the Museum of Modern Art; and, before Christmas, the Third Annual Purchase Exhibition;

In January and February, Camposantos, photographs of New Mexico graveyard crosses, an exhibition organized by the Amon Carter Museum of Western Art, Fort Worth; and the Annual Exhibition of Work by the Faculty of the Department of Art.

The major exhibition of the Spring Semester will be Cubism in America, the third of a series of exhibits organized in co-operation with the Junior League of Albuquerque.

RESIGNATION OF VAN DEREN COKE AS DIRECTOR

In order to devote my full energies to the position of Chairman of the Department of Art, I have resigned as Director of the University Art Museum effective July 1, 1966. I would like to take

this opportunity to express my appreciation to Dean Clinton Adams, President Tom Popejoy and the other members of the University administration whose co-operation and assistance have made possible the substantial growth of the University Art Museum that has taken place during the period September 1962 to July 1966 when I served as Director.

The University Art Museum has served as a source of information and inspiration not only for the art student and faculty of the Department of Art, but has brought to the total community pleasurable as well as challenging experiences. I am sure that the program will continue to be lively and expand its scope, for the University will more and more be looked upon as a source of leadership in the field of art in the Southwest.

It has given me great satisfaction to serve as Director of the Museum during its formative period, and I hope to continue periodically to organize exhibitions as my research in American art and the history of photography unfolds.

THE REPORT OF THE DEPARTMENT OF DRAMATIC ART

July 1, 1965--June 30, 1966

Edwin Snapp, Chairman

I. GENERAL DEPARTMENTAL INFORMATION.

A. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1965-66.

During the academic year the Department of Dramatic Art was reorganized to offer professional curricula leading to the degree of Bachelor of Fine Arts in Dramatic Art and general curriculum leading to the degree of Bachelor of Arts in Fine Arts.

The Department of Dramatic Art was host to the New Mexico Theatre Guild for its annual conference meeting in October 1965.

A new switchboard was purchased for the Department of Dramatic Art; the switchboard and six new electrical outlets will be installed in the University Theatre during the summer.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

During the coming academic year the Department of Dramatic Art plans to prepare and direct a touring group of University students for a program of enrichment of dramatic literature currently being taught in the public schools of New Mexico. Plans are also being made to sponsor and host a State-wide One Act Play Festival.

With no construction date set for Phase III of the Fine Arts Center, it becomes more and more evident that some provision must be made for the repair and renovation of the Department's present housing. The new switchboard to be installed in the University Theatre will alleviate only one aspect of the department's many needs.

C. APPOINTMENTS TO STAFF.

Jane Buckles appointed Assistant Professor, effective July 1966.

Thomas Calkins appointed Assistant Professor, effective July 1966.

D. SEPARATIONS FROM STAFF.

Bruce McMullan resigned, effective July 1966.

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.

MCMULLAN, Bruce W.

Served as technical director for the Santa Fe Opera, June to September. Will serve again this June (to September).

YELL, Joseph E., Jr.

Producer-Owner of the Garrett County Playhouse (Oakland, Maryland). Produced eight plays in eight week season. Employed six UNM drama students.

Traveled to Mexico for seventeen days during Christmas vacation, 1965.

3. New scholastic honors, fellowships, etc.

None.

4. Publications.

None.

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

None.

6. Activities in learned and professional societies.

MCMULLAN, Bruce W.

Member of American Educational Theatre Association, American Association of University Professors (Treasurer of UNM Chapter), and United States Institute of Theatre Technology.

SNAPP, Edwin

Member of American National Theatre Academy (corporate member), American Educational Theatre Association, and National Theatre Conference. Attended National Theatre Conference in New York City on November 25-28, 1965. New Mexico Chairman of A.E.T.A. Legislative Committee. Elected President of the New Mexico Theatre Guild, 1965-67.

YELL, Joseph E., Jr.

Member of American Association of University Professors, American Educational Theatre Association, and Southwest Theatre Conference. Attended Southwest Theatre Conference in Midland, Texas, in November, 1965, and served on the Panel for New Mexico Drama.

7. Other professional activities.

The Department of Drama again offered theatre-goers of both the student body and community a varied and stimulating theatre program:

RIGHT YOU ARE IF YOU THINK YOU ARE by Luigi Pirandello, directed by Gene Yell; TARTUFFE by Moliere, directed by Edwin Snapp; THE PHYSICISTS by Friedrich Durrenmatt, directed by Edwin Snapp; and the famous Lerner & Loewe musical comedy BRIGADOON, directed by Gene Yell.

Settings for the plays were designed by John Raeyel (Gene Yell), Brian Spavin, and John Dailey & Tom Parkinson; lighting and make-up were provided by Nadene Blackburn; costumes were designed and managed by Jane Buckles; all technical aspects of the physical production were in the charge of Bruce McMullan. Each of the productions ran for seven performances in Rodey Theatre--with the exception of the last show of the season, BRIGADOON, which ran for six performances in the Fine Arts Recital Hall.

An important part of the Department of Drama's service to the community at large is its Children's Theatre production. This past year it presented THE THREE BEARS--medieval style! The play was directed by Gene Yell; scene construction, mounting, and shifting were handled by Bruce McMullan; lighting was designed by James Libby under the supervision of Nadene Blackburn; costumes were designed by Emily Bailey under the supervision of Jane Buckles; make-up was handled by Nadene Blackburn; and the set was designed by Director Gene Yell.

Several senior thesis productions were presented, one first semester and two on one bill second semester. The production first semester, THE IMMIGRANT, was written and directed-produced by Michael McGinnis under the supervision

of Edwin Snapp. Second semester D. G. Buckles directed an experimental production of Bertolt Brecht's GALILEO and Frederick B. Bornstein directed THE TYPISTS, a play by the modern playwright, Murray Schisgal. Both worked under the supervision of Edwin Snapp. The costumes for GALILEO were designed by Brian Spavin under the supervision of Jane Buckles, and the sets for both productions were also designed by Brian Spavin under the supervision of Gene Yell. The lighting for THE TYPISTS was designed by D. Masters & Philip Nichololson and for GALILEO by Robert King; all lighting was supervised by Nadene Blackburn. THE IMMIGRANT ran for three performances in Commedia Theatre, and THE TYPISTS and GALILEO ran for two performances in Rodey Theatre.

In addition the students of Professor Snapp's Advanced Rehearsal and Performance class presented scenes from well-known full length plays everyother Friday afternoon of the second semester before Departmental Assemblies. Scenes were taken from such works as: THE GLASS MENAGERIE, THE TAMING OF THE SHREW, THE CHILDREN'S HOUR, AS YOU LIKE IT, WHEN WE DEAD AWAKE, THE CRUCIBLE, ARMS AND THE MAN, PYGMALION, TWELFTH NIGHT, etc.

8. Non-teaching University service.

BLACKBURN, Nadene S.

University College and Fine Arts College faculty advisor.
Chairman of the Hospitality Committee.

MCMULLAN, Bruce W.

University College and Fine Arts College faculty advisor.
Fine Arts Advisory Council. Cultural Committee.

SNAPP, Edwin

Fine Arts College faculty advisor. Fine Arts Policy Committee. Chairman Department of Drama.

YELL, Joseph E., Jr.

University College and Fine Arts College faculty advisor. Concert Hall Board. Fine Arts Promotion Committee. Committee for the Purchase of Works of Art for the Fine Arts Concert Hall.

9. Public service.

Yell, Joseph E., Jr.

March of Dimes.

The Report of the Department of Music
July 1, 1965 - June 30, 1966
Joseph Blankenship, Chairman

I. General departmental information

A. Significant achievements during the academic year, 1965-66.

During the past year the musical activities of the faculty and students of the Department of Music have continued to expand. More than 100 musical programs have been offered to the campus community and throughout the state. Departmental performing groups have appeared in the surrounding states including performances at the Music Educators National Conference in Kansas City, a Phi Mu Alpha Regional Conference in Abilene, Texas and a special community program in the Trinidad, Colorado schools sponsored with government funds from Title I.

Several guest artists and lecturers were presented during the year: Daniel Domb, an outstanding young cellist from New York; Dr. Francisco Curt Lange, world famous musicologist from Uruguay; Nelle Schkolnikova, violinist, and Ljuba Yedlina, pianist, outstanding women musicians from Moscow, Russia; and significant solo and workshop appearances were presented by the outstanding popular performers, Carl "Doc" Severinson, trumpet, Stan Getz, tenor saxophone, George Roberts, bass trombone, and Joe Morello, percussion.

The department has continued to sponsor and operate the Albuquerque Youth Symphony program in cooperation with the Albuquerque Public Schools. Professor Dale Kempter is director of this project and oversees the teaching staff and rehearsals and programming for the Youth Symphony and the Junior Orchestra. The annual string clinic here on November 5 and 6 is another project promoting the development of string instrument performance in New Mexico.

In December a special music education workshop for school administrators was presented in cooperation with the 26 New Mexico school districts forming the New Mexico Research Council. This valuable service was ably presented by Dr. Jack Stephenson and Dr. John Batcheller. Dr. Batcheller has also cooperated with the College of Education in offering special music courses for training teachers from the South American countries of Paraguay and Ecuador.

In May a most successful music therapy workshop was organized through the cooperative efforts of several community organizations. Dr. Jack Stephenson was the director and coordinator. The staff included a nationally famous roster of experts with several local participants:

Dr. E. Thayer Gaston - Director of Music Therapy,
University of Kansas, Lawrence

Dr. Donald E. Michel - Director of Music Therapy,
Florida State University, Tallahassee

Miss Dorothy Brin Crocker - Music Therapist with
the emotionally-disturbed child and the
handicapped child, Southern Methodist University,
Dallas, Texas

Mr. Wayne Ruppenthal - Director of Music Therapy,
Topeka State Hospital, Topeka, Kansas

Dr. Robert Senescu - Chairman, Department of Psychiatry,
The University of New Mexico

Dr. Frederick Adams - Child Guidance Center, The
University of New Mexico

Dr. John Batcheller - Elementary Music Education and
Recreation, The University of New Mexico

Dr. Leonardo Garcia - Department of Psychiatry,
The University of New Mexico.

Dr. Douglas McEwen made an extended trip through the Near East countries as assistant conductor and soloist with the Roger Wagner Chorale. The cultural tour was sponsored through the U.S. State Department.

The D. H. Lawrence Ranch was the site of the first Southwestern Music Ranch sponsored by the Department of Music last August. The expansion of facilities at the Ranch made it possible to house and teach a number of New Mexico high school students in a beautiful and inspiring setting. Professor Dale Kempter, as director, was most successful in developing an educational program for the Southwestern Music Ranch.

Due to recent degree title changes, this year's music graduates were the first to receive the degree of Bachelor of Music and Bachelor of Music Education. In addition, the departmental offerings were completely reevaluated by the National Association of Schools of Music. The major in music pedagogy received initial approval and all other undergraduate majors were reapproved. All music graduate degree programs currently listed also received full approval from the National Association of Schools of Music.

The offerings and facilities of the Department of Music received full-page write-ups in the national publications of High Fidelity/Musical America and Pan Pipes of Sigma Alpha Iota.

B. Significant plans and recommendations for the near future.

Several music faculty members are progressing with plans on projects to be submitted to the U.S. Office of Education for cooperative support and financing. Late this spring the Department of Music submitted two proposals for consideration: "Methods and Effects of Live Music Performances for Schools" and "The Use of Spanish Music in the New Mexico Schools". It is recognized that qualified personnel will need to be recruited when these projects are approved. It is a severe handicap in recruiting well-qualified people for these positions when the authorization notification is in close proximity to the beginning date of the project. Fortunately Dr. Don Michel has agreed to be the director for the first project even though approval has not been received. This agreement was made possible through the understanding support of the University administration.

The Department of Music is eagerly anticipating the installation of the Holtkamp organ purchased for the Recital Hall. The contract for this organ was negotiated and signed last December with installation date specified within 22-28 months. This instrument will greatly enrich the teaching of music students and organ performance presentations for the campus community.

The October opening of the new Concert Hall will be a most significant event for the Department of Music. The faculty and students have planned a number of concerts for presentation in the Concert Hall. Several outstanding soloists have been booked for these events.

In October, the department will host the annual meeting of the National Association of Music Executives in State Universities. This organization voted to meet on the UNM campus in order to inspect the excellent facilities for music in the Fine Arts Center.

C. Appointments to staff.

Dr. Raymond Vaught served as guest professor of music during 1965-66 in exchange with Professor Hugh Miller, who filled Dr. Vaught's position at the University of Hawaii.

Mrs. Adelina Timofeyew served as a temporary part-time instructor during Semester II only.

Robert Stehwien was appointed as part-time instrumental technician January 1, 1966.

D. Separations from staff.

Henri Bittar terminated employment in August, 1965.

Robert McRae terminated as part-time sound technician May 31, 1966.

II. Composite of information requested on individual biographical supplements

1. Advanced study

George Robert attended a three-day piano teachers workshop by Joan Last, Professor of Music, Royal Academy of Music, London, England, held at Carnegie Hall in New York City June 24-26, 1964. On November 15, 1965, he also attended a piano workshop by Gordon Terwilliger, Professor of Music at Wichita University.

William Seymour continued working on his Ed.D. degree at Washington University in St. Louis, Missouri during the summer of 1965.

In January James Whitlow studied privately with Raphael Mendez in Encino, California.

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

John Batcheller visited the following places in his travels during the year: Guaymas, Mexico; New York City; Montreal & Toronto, Canada; Washington, D. C.; Daytona Beach, Florida; New Orleães, Louisiana; Denver & Central City, Colorado.

Kurt Frederick visited theater, concert and opera performances in Switzerland and England.

From August 16-18, 1965, Walter Keller taught a three-day piano workshop at the Jean Elliott Studios in El Paso, Texas.

From January 1 to April 1, Douglas McEwen took a leave of absence to serve as the assistant conductor of the Roger Wagner Chorale on a U.S. State Department tour of Iran, Iraq, Syria, Jordan, Lebanon, Turkey, Yugoslavia, Italy, and France.

Hugh Miller taught at the University of Hawaii during the 1965-66 school year in exchange with Dr. Raymond Vaught who taught at The University of New Mexico.

One week was spent at Kansas State Teachers College, Emporia, Kansas by William E. Rhoads. He also spent a week at the University of the Pacific at Stockton, California.

George Robert was on sabbatical leave until September, 1965. Detailed information on his travels and experiences was filed in his formal sabbatical leave report.

Jane Snow visited Arizona, Colorado, Texas and Utah during the period.

Jim Thornton is currently on sabbatical leave in Boston, Massachusetts and will attend a four-week conducting institute at Tanglewood in June.

3. New scholastic honors, fellowships, etc.

The national music honor society, Pi Kappa Lambda initiated George Robert into its membership in May, 1966.

4. Publications.

Joseph Blankenship is editor of the woodwind column, Meyer's Band News, Detroit, Michigan.

"Etudes for Technical Facility for Alto-Bass Clarinet" and "21 Foundation Studies for Alto-Bass Clarinet" by William Rhoads were published by Southern Music Co.

The editor of the New Mexico Musician was Jack Stephenson. Three issues were put out during the year.

An arrangement by Jim Thornton of "Three Duo Concertantes" by Gebauer, scored for two bassoons, was published by Southern Music Co. He also wrote an article on the woodwind choir for the Instrumentalist in January, 1966.

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

John Batcheller has spent some time working on the creation of the workshop "Music for the Pre-School Child" to be offered in the summer session, 1966.

Joseph Blankenship did research and experimentation in tension springs for piano sound boards to correct faults in bridge crown.

A project is now being studied by Dale Kempter involving the Albuquerque Youth Symphony under Title III, Federal Secondary School Act. Jack Stephenson is also working on this project. Dr. Stephenson has made application for a Title IV grant evaluating music concerts in the public schools in the area.

A "Syllabus - Elementary Theory" is now in preparation by Donald McRae.

Jim Thornton has three compositions at the publishers which he has arranged for woodwind quintet, woodwind choir, and concert band.

6. Activities in learned and professional societies.

John Batcheller is an active member of MENC and NATS (National Assoc. of Teachers of Singing).

The following is a list of meetings attended by Joseph Blankenship during the period:

- Aug. 2-7: TBA, TCDA, TODA in San Antonio, Texas
- Oct. 8-12: NAMESU University of Maryland
- Oct. 28-29: NMMEA, Albq.
- Nov. 25-27: NASM, Chicago
- Dec. 3-4: Music Ed. Workshop for the New Mexico Research Council, Albq.
- Feb. 17-19: CMEA, Denver
- Feb. 25: CBDNA, New Mexico State University
- March 17: Pi Kappa Lambda national convention, Kansas City (elected national Vice President)
- March 18-22: National MENC convention, Kansas City (presented performance by UNM students)
- April 15-16: Phi Mu Alpha Regional Convention, Abilene (Governor, Province 31)
- May 17: University of Wyoming, installed Pi Kappa Lambda Chapter

Dr. Blankenship is a member of the MENC national committee on Music Buildings, Rooms and Equipment.

The past president of NMMEA is Dale Kempter. Mr. Kempter also attended the national convention of MENC in March in Kansas City.

Donald McRae is president of Phi Kappa Phi honor society.

Serving on a panel on "Band Programming" for the College Band Directors National Association was Bill Rhoads.

Morton Schoenfeld served as president of UNM's Chapter of Pi Kappa Lambda, a national honor society for music.

On November 14, 1965, Bill Seymour gave a speech entitled "Piano Pedagogy" for the state convention of NMMTA in Albuquerque.

Jack Stephenson is on the Editorial Board for the National Journal of Research in Music Education. He reviewed six manuscripts, attended the national MENC convention in Kansas City, and was coordinator of New Mexico's All-State Music Festival.

Jim Thornton worked with the UNM Woodwind Quintet during the first semester to prepare them for their performance at the national MENC convention in Kansas City in March.

7. Other Professional activities

John Batcheller conducted a concert performance of Vivaldi's Gloria and was a member of the state book commission for evaluating music books. His lectures and workshops are listed below:

1-day workshop conducted for music teachers in Santa Fe City System on Elementary Music Education Methods, Oct. 22

October 25, lecture on "How Cultured Are We?" before Women's Auxiliary of the American Medical Assoc. at the Crystal Room, Diamond Jim's

Workshop, December 4-6 sponsored by the New Mexico Council for Research, New Mexico School Administrators, entitled "The Music Education Program in the Schools of New Mexico"

2-day workshop with students and teachers in "Head Start" project at UNM March 17-18

Seminar for all elementary practice teachers in education March 24

Lecture on "Opera's Growth in New Mexico during Last 10 Years" given for MTNA, April 5

Lecture on "New Media for Teaching Music in the Public Schools" given before Belen, New Mexico chapter of Delta Kappa Gamma, April 18

May 19-21 gave lecture on "Uses of Music with Elementary School Children" for the Music Therapy Workshop at UNM.

Joseph Blankenship was on a panel for the CBDNA convention at New Mexico State University on February 25. He presented the UNM Woodwind Quintet at the MENC national convention in Kansas City.

Kurt Frederick conducted three UNM Orchestra performances in Albuquerque and one performance in Los Alamos, four concerts of the New Mexico Chamber Orchestra, and three performances of the Opera Workshop production, "Ariadne on Naxos". He also adjudicated at a music festival in Amarillo and auditioned violinists throughout the state of New Mexico for the All-State Orchestra.

Adjudicating assignments for Walter Keller included the following:

Jan. 19 - Santa Fe Symphony Student Auditions
 Feb. 26 - Roswell: SENMEA High School Festival
 April 23 - Alamogordo SWNMEA Festival
 April 30 - Artesia SENMEA Jr. High Festival

Dr. Keller participated in the following concerts:

July 20 - Harpsichordist for performance of Handel's Messiah at Glorieta Baptist Assembly under the direction of Albert Greenfield.

Oct. 14 - Albuquerque: Soloist with New Mexico Chamber Orchestra (Bach Concerto for Three Harpsichords)

Nov. 21 - Albuquerque: Harpsichordist for performance of Handel's Judas Maccabaeus at St. John's Cathedral.

Dec. 13 - Albuquerque: Harpsichordist for program of cantatas for the Albuquerque Chamber Music Society.

March 24 - Albuquerque: Soloist with New Mexico Chamber Orchestra (Haydn Concerto in D for harpsichord)

March 26 - Alamogordo: Directed and performed concert of four centuries of English music, Otero County Music Assoc.

April 26-29 - Santa Fe: Directed and participated in a series of eight concerts for Santa Fe Schools, Music of Renaissance sponsored by Youth Concerts of New Mexico.

May 1 - Albuquerque: Accompanist for benefit concert by Mu Phi Epsilon Alumnae.

May 15 - Santa Fe: Directed & participated in a concert of four centuries of English music, St. John's University.

May 15 - Albuquerque: Harpsichordist in performance of Handel's Samson at First Congregational Church.

May 22 - Albuquerque: Program of renaissance and baroque music at Unitarian Church.

May 24 - Albuquerque: Program of renaissance music at Albuquerque Boy's Academy.

The first-chair cellist in both the Albuquerque Civic Symphony and the New Mexico Chamber Orchestra was Dale Kempter. He was also an orchestra clinician and judge in New Mexico, Texas and Kansas schools, a member of the Albuquerque Wind Ensemble and the Albuquerque Chamber Music Society.

Douglas McEwen was guest conductor-lecturer-choral clinician at the following events:

Director and Soloist, UNM Choral Workshop with Roger Wagner, Albuquerque, June

Guest Lecturer, Choral Workshop for Teachers, Oklahoma State University, Stillwater, July

Choral Conductor, Bemidji State College Music Camp, Bemidji, Minnesota, August

Guest Conductor, South Dakota All-State Choir, Sioux Falls, November

Choral Conductor, UNM Southwestern Music Ranch, Taos, August

Guest Conductor, Minnesota All-State Choir, Bemidji, Minnesota, August

Member of New Mexico All-State Choir audition team, November

Guest Lecturer-Conductor, Junior High Workshop, Albuquerque, November.

Dr. McEwen was an adjudicator at the Buccaneer Music Festival, Del Mar College, Corpus Christi, Texas, in April. The following campus choral concerts were conducted by Dr. McEwen:

Christmas Concert with the UNM A Cappella Choir,
University Chorus, Brass Choir and Woodwind Ensemble
in December.

UNM Chamber Singers, in December.

University Chorus and Concert Band in "Alexander Nevsky",
by Prokofieff, in May (premiere performance).

UNM A Cappella Choir Concert, May.

Vocal Director and Chorusmaster for six performances
of "Brigadoon", May.

Donald McRae gave a special concert during Jewish Music Week,
is music director at Temple Albert, was tenor soloist in a Christmas
cantata December 15 and for Handel's Samson May 15. He participated
in special music services for Channukah, December 8, Rosh Hashanah
and Yom Kippur. He was an adjudicator for Federated Music Clubs
and Phi Mu Awards.

A two-week exhibit of Hugh Miller's sculptography was held
at the University of Oregon School of Architecture in November.

William Rhoads conducted five football half-time shows,
three UNM Concert Band programs, two UNM Stage Band concerts, and
five Albuquerque Wind Ensemble concerts. He took part in clinics
at Del Norte and Sandia High Schools in Albuquerque, Carlsbad High
School, Las Cruces, Los Alamos, and Houston, Texas. He judged solo
contests in El Paso and Corpus Christi. Mr. Rhoads also conducted
the Montana All-State Band and the Colorado All-State Band.

The following are lectures and recitals given by George Robert during the period:

- Oct. 7 - Lecture-Recital on piano music of Schubert. Included on the program was an Unfinished Sonata in F minor.
- Nov. 12 - Lecture-Recital on piano music of Haydn and Chopin.
- Nov. 14 - Solo recital for NMTA convention at UNM.
- Nov. 22 - Solo recital at UNM.
- Jan. 24 - Performance of Mozart Quintet for piano and winds for Albuquerque Chamber Music Society.
- March 10 - Lecture for piano students entitled "Phrasing".
- March 24 - Lecture for piano students entitled "Ornamentation".
- April 29 - Accompanied Margaret Barela in student recital.

Morton Schoenfeld gave concerts in Los Alamos and Clovis, New Mexico, Galveston, Texas, and Porterville, California.

William Seymour conducted a workshop for the NMMEA state convention October 29 entitled "Class Piano Instruction in the Elementary School". He was the discussion leader for NMTA reading sessions held monthly to encourage teachers to read selected books in, and related to, their field.

Jane Snow was the director of the Opera Workshop production, "Ariadne on Naxos" in January. She gave a recital with Jeanne Grealish in April and participated in recitals for Sigma Alpha Iota Alumnae (Oct.), Mu Phi Epsilon Scholarship Benefit (April), and was soloist with the UNM Symphony Orchestra Summer Series. She adjudicated at music festivals in Alamogordo and Canyon, Texas.

The director of the Department of Music's Therapy Workshop was Jack Stephenson. He gave three speeches on Music Therapy during the period. He was co-clinician with the Music Education two-day workshop given for the New Mexico Research Council with the College of Education.

Jim Thornton has applied for a grant to develop a package of materials for high school band, orchestra, and choral groups and their teachers. These texts, tapes, and visual materials would teach theory, history, and the literature of music to students in conjunction with performance.

Elizabeth Waters attended a dance festival at Colorado College in August. She did a children's TV Music Education program in September. The choreography for the December Civic Symphony Children's Concert and UNM's presentation of "Brigadoon" was done by Miss Waters. She was the director of the annual Dance Workshop production April 22, 23, and 24.

Solo appearances for Jim Whitlow included performances with the Hobbs High School Band, UNM Clinic Band, UNM Band, Trinidad High School Band, New Mexico Western College Band, Artesia High School Band, New Mexico Chamber Orchestra and the Albuquerque Wind Ensemble. He appeared in thirty concerts with the New Mexico Brass Ensemble. He adjudicated and was clinician in El Paso, Portales, and Farmington. Mr. Whitlow was invited to do a U.S. Community Concert Tour with the Roger Wagner Chorale but could not accept because of his other commitments.

8. Non-teaching University service.

UNM's student chapter of MENC has John Batcheller for its faculty advisor. Dr. Batcheller is the music faculty secretary for faculty meetings and is a University College advisor.

The Department of Music Chairman, Joseph Blankenship, served on the College of Fine Arts Advisory Committee, University Administrative Committee, Advisory Committee on Teacher Education, UNM Radio Board, and the Committee for State Solo and Ensemble Festival. He is the faculty advisor for graduate students in music.

Walter Keller is a member of the Department of Music Administrative Committee, Fine Arts College Policy Committee, Woodrow Wilson Fellowship Committee and the Academic Freedom and Tenure Committee.

The faculty advisor for Phi Mu Alpha Sinfonia at UNM is Dale Kempter.

Douglas McEwen has been a member of the Department of Music Administrative Committee.

Donald McRae is a member of the Campus Planning Committee and the Department of Music Administrative Committee. He gave a lecture on church music at Geneva House.

William Rhoads is on the Summer Session-Extension Committee, Department of Music Scholarship Committee and is faculty advisor for ten undergraduate students.

The chairman of the Department of Music Scholarship Committee is George Robert. He also belongs to the College Advancement Committee and the Committee to Formulate Departmental Foreign Language Exams.

Morton Schoenfeld is a member of the General Honors Council.

William Seymour is a University College advisor and belongs to the Student Affairs Committee, Applied Music Committee, and the Music Administrative Committee (Feb. - March).

The faculty advisor for UNM's chapter of Sigma Alpha Iota is Jane Snow. She is also a member of the Scholarships and Prizes Committee.

Jack Stephenson is on the University Policy Committee, Committee on the University, Administrative Committee (Music), and chairman of the Ad Hoc Committee on P.E. requirements. He is chairman of the Board of Directors for the Albuquerque Youth Symphony.

Jim Thornton is on the Music Administrative Committee and is a faculty advisor.

9. Public service.

John Batcheller is the Minister of Music at Immanuel Presbyterian Church, a board member of the All-Faith's Home and the Albuquerque Community Concert Association. He is a member of the Santa Fe Opera Guild.

Joseph Blankenship is on the Board of Directors of the Albuquerque Symphony, Albuquerque Community Concert Association, and the Albuquerque Youth Symphony.

Dale Kempter is on the music committee of the Unitarian Church.

William Rhoads is active in his church activities.

George Robert is occasional soloist at the First Unitarian Church.

Jane Snow is soloist at the First Methodist Church and St. John's Episcopal Cathedral.

The choir director of St. Charles Church is Jack Stephenson. He is on the Boy Scout Committee, Troop 86. He is president of the Albuquerque Childrens Theater and the Board of Directors for Casa Linda School.

THE REPORT OF THE GENERAL HONORS PROGRAM

July 1, 1965-June 30, 1966

Dudley Wynn, Director

Persons actively engaged or interested in the Honors program are occasionally surprised when students, faculty members, and off-campus friends of the University express lack of understanding of the objectives and methods of operation of the program. The task of giving proper information about the program is still before us. For this reason a study by the faculty Committee on Curricula during 1964-65 was most welcome. The explanation of some of the aims and procedures of the program given by the director to the Committee on Curricula on September 15, 1964, is perhaps worth repeating here.

Aims and Procedures

"The General Honors program, of course, is not in exactly the same category as the regular academic departments in that it represents no one specialized discipline, has no staff of its own, and has no majors or minors. Instead, it serves all undergraduate colleges, departments, and divisions in its efforts to encourage excellence in academic performance by able students in all fields and to bring able students from all disciplines together in small classes for exploration and discussion of topics and problems which are of interest and concern to educated persons whatever their profession, occupation, or specialized field may be. The General Honors program in a certain sense is a program of "enrichment" insofar as it seeks, for example, to make the humanities major a little more aware of the place of the sciences and the social sciences in our culture, the science major more aware of the importance of the humanities and the social sciences, and so on through the list. The program also emphasizes the importance of excellence in one's chosen field and does not carry students through to graduation with Honors who do not excel in their major as well as in all their courses and in their Honors work. The small size of Honors classes permits a great deal of discussion, and the student is also offered the opportunity of having a great deal of his written work submitted to intensive criticism. By constantly encouraging students to participate in departmental Honors programs where these are available, the General Honors program serves in the cause of deepening as well as broadening the student's education.

"Course offerings in the General Honors program [listed in the 1966-67 catalog under 'General Studies,' p. 303] are necessarily limited and should remain that way--except for some increase in number of sections as enrollment increases. All our offerings, because of the very nature of General Honors, have a basic pattern which permits almost unlimited variation from semester to semester and year to year. For example, the freshman colloquium (or reading seminar, as it is called in the catalog) never repeats a total reading list (although individual items may re-appear now and then), and we are free to call upon staff members from all divisions of the University for the teaching of these colloquia. Sophomore Honors seminars likewise can have any topic the instructor chooses, and staff can be drawn from a variety of disciplines throughout the University. Staff for freshman colloquium sections and for sophomore seminars have already been drawn from many departments of the College of Arts and Sciences and from the colleges (or schools) of Education, Engineering, Fine Arts, Law, and Medicine. The senior colloquium varies its topics each semester but keeps to a basic pattern of introducing students to a problem or issue in each major area (humanities, science, social science) each semester. Only the junior Honors course has repeated material consistently from semester to semester....On the whole, the desire and the necessity of changing materials in the sequence of Honors are built into the program and keep us on the stretch. But this does not mean that we must not constantly examine also our basic pattern to see if it properly fulfills our general- or liberal-educational ideal."

Innovation Successful

A little more than a year ago, the Honors Council, finding that it was no longer feasible or practicable to put all junior Honors students through the same course, "Major Traditions of Western Culture," decided to change the junior year offering to a series of seminars--one in each major area (humanities, science, social science)--and to open these to selected majors in each of the three areas. This innovation went into effect at the beginning of Semester I, 1965-66. Teachers of junior seminars think that, on the whole, the idea of admitting good students to Honors seminars in their own area of specialization, whether or not these students have been previously enrolled in the Honors program has had the following good effects:

1. Lively junior and senior students who have not been in the Honors program previously, help to keep the official "Honors" students from becoming complacent and from assuming an automatic superiority. This device opens up the privilege of being in Honors or enrolling for Honors offerings, but it also emphasizes that the privilege is one that has to be earned.

2. The presence in a junior seminar of students majoring in that area (whether or not they have been in the Honors program previously) keeps the discussion and approach from becoming too general. We might say that it adds an element of professionalism that would not be present if the seminar were limited to students not majoring in that area.

Our General Honors program is basically and essentially designed to strengthen the student's general education. In the sophomore year the Honors student must take one Honors seminar each semester which lies outside his major field. Allowing a junior Honors student to take one seminar within the general field of his major appears to be a worthwhile innovation. Indeed, it may well be that this is the beginning of a more complete change in the direction of a greater "open-endedness" in the Honors program, with more students coming into Honors offerings without necessarily intending to go on to graduation with Honors.

Withdrawals from the Program

In its study of the General Honors program in 1964-65, the University Committee on Curricula recommended that the director "try to ascertain the reasons for the large number of withdrawals from the General Honors program." With the help of Professor J. G. Cooper of the College of Education and a graduate student, Mrs. Jo Orser, under Professor Cooper's direction, two studies of student reaction to the Honors program were made during 1965-66. As would be expected, these limited studies reach no firm conclusions except that the program is fairly popular with those students who survive in it and not very popular with those who don't; that those who don't survive think that the program (especially in the freshman year) asks more of them than it is worth. Our own studies within the program show that a large percentage of students who have to be asked to withdraw from the program (who are terminated, in other words) simply do not have the required over-all grade-point average. They have as good a grade-point average in the specific Honors offerings as in the remainder of their courses. Although many students are temperamentally unfitted for a freshman honors colloquium and prefer the anonymity of large lecture classes, the hard fact seems to be that it is no more the "difficulty" of Honors work than it is the "difficulty" of all college-level work that is causing attrition in Honors and throughout the University. Nevertheless, a particularly valuable hint in Mrs. Orser's studies that we should pay some attention to is that the Honors program, in the freshman year especially, stands in the student mind as something that demands an inordinate amount of time. We must remember that it is not mere volume or quantity of work and effort that we are seeking--but quality of performance.

At the same time that the Committee on Curricula showed concern about the high rate of attrition it also recommended that "the General Honors program not increase its enrollment appreciably in the near future, since large enrollments would tend to reduce the close student-professor relationship which now exists." If enrollment in the Honors program remains more or less constant while total University enrollment is increasing, the quality of enrollees in Honors should rise and the problem of attrition should lessen, assuming that methods of selection for the program can be improved.

Problems of Staffing the Program

One year ago in this Annual Report we strongly emphasized a recommendation of the Committee on Curricula: "Since the General Honors program has no permanent faculty, other than the director, it is important that other participating departments be given adequate faculty so that part-time support is readily available for teaching in this program. The director should not find it necessary to spend an inordinate amount of time from year to year to find staff."

This remains a problem--one which cannot be permanently or finally solved in an era of ever-increasing enrollments. Departments find it difficult enough to staff for their own needs, without having to release time of staff members for work in the Honors program. All departments of the University have been as helpful as they dared to be, and some have even made sacrifices to help keep the Honors program going. Unless there is continuing effort to provide some slack in staffing beyond what new enrollment increases in the University as a whole call for, we shall all of us--in General Honors, departmental Honors, graduate work, supervision of independent study, and all such efforts--continue to feel that we cannot really have quality education without the manpower resources to back it.

Information about the Program

Staff

Miss Bess Earp, assistant director of General Honors and part-time instructor in English, has announced her resignation effective July 31, 1966. Miss Earp will return to high school teaching--in California. She will be sorely missed. During 1965-66, while Dudley Wynn, director of the Honors program, was serving also as acting chairman of the Department of English, Miss Earp took on an almost intolerable load. As recruiter and counselor of Honors students, as teacher of English to foreign students, as clerk-secretary carrying an enormous burden of detailed work, Miss Earp was unsurpassed.

At the time of this report, a successor to Miss Earp had not been chosen. Professor Wynn will return to full-time in Honors (administration and teaching) next September.

Participation by Faculty in Freshman Honors Colloquia

1957-58 through 1965-66

<u>Name</u>	<u>No. of Different Semesters of Participation</u>	<u>Department</u>
Jane Baltzell	2	English
David T. Bennedetti	4	Psychology
Phillip K. Bock	2	Anthropology
William Byatt	1	Engineering
Robert Creeley	5	English
Paul Davis	6	English
John Dettre	1	Education
Franklin Dickey	5	English
Robert Dykstra	1	History
Henry C. Ellis	1	Psychology
Harold L. Enarson	3	Vice-President
Malbourne G. Evans	4	Philosophy
Morris Freedman	8	English
B. LeRoy Gordon	1	Geography
Gerald Graff	4	English
Hugh Graham	3	History
David B. Hamilton	1	Economics
John Howarth	3	Physics
Edwin C. Hoyt	1	Government
William Huber	4	Univ. College
Frank W. Ikle	2	History
Helen Ingram	1	Government
Wilson H. Ivins	4	Sec. Education
Miguel Jorrin	7	Foreign Studies
Milton Kahn	3	Chemistry
John Linsley	2	Physics
John Longhurst	7	History
Raymond MacCurdy	1	Mod. Languages
A. V. Martin	2	Mathematics
Gerald D. Nash	1	History
Edward G. Nolan	1	Psychology
Peter Prouse	1	Sec. Education
Robert A. Robertson	1	Economics
Don P. Schlegel	2	Architecture
Morton Schoenfeld	4	Music
Donald Skabelund	1	History/Physics
James Thorson	1	English
Henry J. Tobias	4	History
Hoyt Trowbridge	3	English
Albert Vogel	2	Education

J. E. White, Jr.	1	Mod. Languages
T. P. Wolf	2	Government
Charles Woodhouse	1	Sociology
Dudley Wynn	7	English
John T. Zapper	2	Education

Sophomore Seminar Topics in General Honors

1958-59 through 1965-66

<u>Title</u>	<u>Instructor</u>	<u>Department</u>
(1) <u>Humanities</u>		
Styles in the Arts	Tatschl	Art
Contemporary Poetry	Tedlock	English
Concepts of Freedom	Evans	Philosophy
Contemporary Painting	Haas	Art
What Is the Renaissance?	Dickey	English
Critical Approaches to Poetry	Tedlock	English
Representative 19th Century Russian Writers	Graham	History
What Is Literature?	Dickey	English
Significant Problems in the 19th and 20th Century European Novel	Tedlock	English
What is Literary Criticism?	Tomlinson	English
Poetry and Belief in the Modern Age	Tomlinson	English
The Nature of Painting	Adams	Art
Approaches to New Poets 19th and 20th Century	Creeley	English
Patterns of Rebellion	Tedlock	English
The Drama: Matters of Divinity and State	Simons	English
Art in Renaissance Italy	Bunting	Art
Art in the Twenties	Tatschl	Art
(2) <u>Science</u>		
Evolution	J. Findley	Biology
Development of the Earth Sciences	Rosenzweig	Geology
Concepts of Mathematics (given in 2 semesters)	Kolodner	Mathematics
Principles of Psychology	Benadatti	Psychology
Culture and Environment	Gordon	Geography
Great Ideas in Mathematics	Mitchell	Mathematics

Science through Science Fiction	Thorn	Elec. Engineering
Humanities and Science--		
Bridging the Gap	Crosby	Chemistry
Science and the Earth	Fitzsimmons	Geology
Patterns of Discovery	Smith	Psychology
The Roots of Modern-Day Science	Solomon	Medicine
The Vision of Nature and The Human Condition	Tuan	Geography
Concepts of Modern Mathematics	Hillman	Mathematics

(3) Social Science

Freedom and Control	Wollman	Economics
Changing Character of Capitalism in the U.S.		
Since the Civil War	Parish	Business Ad.
Philosophy of Economics	Hamilton	Economics
The Press as a Social Force	Rafferty	Journalism
Legal Concepts (given in 2 semesters)	Vernon	Law
Legal Concepts (given in 2 semesters)	Finman	Law
Legal Concepts (given in 4 semesters)	Selinger	Law

Students Graduated with Honors in General Studies

1959-60 through 1965-66

<u>Department</u>	<u>Year Graduated</u>	<u>Level of Honors</u>
<u>Anthropology</u>		
Richard H. Cravens	1965	Cum laude
Luis Cruz-Sandoval	1963	Cum laude
Ann A. Smith	1966	Cum laude
Nancy J. Stopper	1964	Cum laude
Kathleen Worthing	1965	Cum laude
<u>Architecture</u>		
Joel B. Stout	1964	Magna cum laude
<u>Art</u>		
James C. Moore	1966	Summa cum laude
Dennis Tedlock*	1961	Cum laude
<u>Art Education</u>		
Thomas Farrar	1963	Cum laude

Biology

Kathleen S. Kagan	1964	Cum laude
Susan R. Luck	1963	Cum laude
Bruce S. Malmont	1963	Cum laude
Georgine Rummage	1961	Cum laude

Business Adm. (Accounting)

Ellen F. Glover	1966	Cum laude
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Chemistry

Kenneth Applegate	1962	Magna cum laude
Ralph Trujillo	1962	Cum laude
Celia N. Weber	1963	Cum laude

Comparative Literature

Ronald T. Swigger	1963	Magna cum laude
Genevieve Townsend	1964	Cum laude

Drama

K. Marie Nelson	1963	Cum laude
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Economics

David Bloom†	1961	Magna cum laude
Byron Crago	1961	Cum laude
Richard B. Garnett	1961	Cum laude
James H. Miller	1962	Cum laude
Carolyn Thompson	1961	Magna cum laude

Engineering

John L. Wham	1964	Cum laude
Lockett Wood	1962	Cum laude

English

Gwyneth J. Cravens	1965	Summa cum laude
Martin W. Fleck, Jr.	1963	Cum laude
Myra Goetz	1966	Cum laude
Linda Srote Howden	1963	Cum laude
Ann Pyott Levy**	1960	Cum laude
Charles K. McCormack	1961	Magna cum laude
Richard K. Miller	1961	Magna cum laude
Janet McCormack	1966	Cum laude
Elizabeth Orem	1966	Magna cum laude
Kathleen Orlando	1965	Cum laude
Karen Quelle***	1960	Cum laude
James Ransom**	1962	Summa cum laude
Vicki D. Scott	1964	Cum laude
William J. Steury††	1963	Cum laude
John Gray Swasney	1966	Magna cum laude
Billie Jean Thompson	1962	Cum laude
Blewellyn Thompson	1966	Magna cum laude
Hubertien Williams	1962	Cum laude

French

Dorothy Ann Corner	1964	Magna cum laude
Rosalia Feinstein	1962	Cum laude

Government

Theodore W. Galdi	1965	Summa cum laude
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History

Leslie K. Adler	1963	Magna cum laude
Byron Banks (Education)	1966	Cum laude
Joanne Calkins	1963	Cum laude
Diana Darnall	1960	Cum laude
Monica W. Ghattas	1961	Cum laude
David Hughes	1966	Magna cum laude
Audrey M. Joseph	1965	Magna cum laude
Robert C. Morris	1964	Magna cum laude
Carol Rice	1961	Cum laude
Rodney M. Sievers	1965	Magna cum laude
Charlie R. Steen	1964	Cum laude
Susan A. Tedlock	1965	Cum laude
Haven B. Tobias	1964	Magna cum laude
Sharon L. White	1964	Cum laude

Journalism

Constance Murphy	1960	Cum laude
Margaret Pitillo	1963	Cum laude

Latin American Studies

James C. Brown	1966	Magna cum laude
Kenna Lauser	1966	Magna cum laude

Mathematics

Fred Gutierrez	1962	Cum laude
Rosalind W. Kellogg*	1964	Cum laude
David Shannon	1966	Cum laude
A. Ellen Shippy	1966	Cum laude

Music

Patricia R. Shanklin	1964	Cum laude
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Nursing

Margaret Michael Wood	1962	Cum laude
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Physics

Mary B. Phelan†	1964	Cum laude
Omer Frank Spurlock	1961	Magna cum laude

Psychology

Roy Brazell	1966	Cum laude
Barbara Knott	1966	Cum laude
Genevieve R. Slagle	1964	Cum laude
Robert W. Slagle	1964	Magna cum laude
Charles Frederick Mills	1961	Cum laude

<u>Spanish</u>		
Robert R. Bacalski	1964	Magna cum laude
Sharon Smart	1964	Cum laude

<u>Western European Studies</u>		
Claire M. Marek	1965	Cum laude

Double majors:	* Anthropology	# Mathematics
	** History	## Philosophy
	*** French	

Enrollments in General Honors Offerings
by Classes, 1965-66

<u>Class</u>	<u>Semester I</u>	<u>Semester II</u>
Freshman	102	75
Sophomore	55	42
Junior	40	35
Senior	<u>24</u>	<u>21</u>
Total	221	173


The following senior Honors students in 1965-66 received stipends at the rate of \$500 per year for performing various duties in their major departments:

Byron Banks	History	(one semester only)
S. Michael Bernhard	Foreign Studies	
Roy Brazell	Mathematics & Psychology	
James C. Brown	Foreign Studies	
Judith Carlson	Chemistry	(one semester only)
Edmund J. Evans	Art	(one semester only)
Myra Goetz	English	
David Hughes	History	
Barbara Knott	Psychology	
Kenna Lauser	Foreign Studies	
Kathryn Margard	Speech	
Janet McCormack	English	
James C. Moore	Art	
Elizabeth Orom	English	
David Shannon	Mathematics	
Ellen Shippy	Mathematics	
Ann A. Smith	Anthropology	
Charles Snell	History	
John Gray Sweeney	English	
Warren Talley	Psychology	
Llewellyn Thompson	English	
Whitney Woodworth	Music	

Of the students listed above, six were also in the three-year Master's Degree program (Ford Foundation): Myra Goetz, Barbara Knott, Janet McCormack, Elizabeth Orem, David Shannon, John Gray Sweeney.

Three of the four University of New Mexico students winning a Woodrow Wilson Fellowship for 1966-67 were among the senior Honors students listed above: David Hughes, Janet McCormack, James C. Moore.

Respectfully submitted,



Dudley Wynn
Director

University of New Mexico

ANNUAL REPORT

of the

DEAN OF THE GRADUATE SCHOOL

1965-1966

Introduction

Enrollments and Degrees Awarded

Financial Aid

Significant Work of the Graduate Committee

- Admissions Standards, Procedures and Quality Safeguards
- Graduate Credit
- Language Requirements
- Financial Aid and Working Conditions
- Other Issues

Graduate Centers at Los Alamos and Holloman

The Graduate Office

The Annual Research Lecture

Honorary Degree Candidates

New Degree Programs

The Graduate Student Council

Service on Committees, Publications, Honors

Travel

Personnel Changes

Plans and Recommendations

- General
- Permanent Staff
- Enrollment Projections
- Need for Data Processing
- The Cartter Report
- The Preparation of Major Proposals
- Bulletins and Other University Publications

INTRODUCTION

With the assumption of duties by a new Dean, a certain number of policy and procedural changes became likely, but an effort was made to provide continuity as well as change. Two factors favoring continuity were (a) the organization of the Graduate Office and (b) the make-up of the Graduate Committee.

Consisting of two half-time Assistant Deans, a Director of Research Services, an Administrative Assistant, six secretarial and clerical personnel, and one or two occasional student helpers, the Graduate Office staff was found to be of superior quality and experience among all key personnel. Only one major change occurred in that Assistant Dean Arthur Steger assumed his duties in September 1965 from Dean Abraham Rosenzweig who had completed his three years as Assistant Dean, and a brief period as Acting Dean immediately prior to Acting Dean Hendrickson's appointment. Assistant Dean Rosenblum continued on into his third year with the expectation of completing his 3-year tour of duty in June 1966. Mr. Walker continued his research support activities, but in the course of this year his title was changed and his functions expanded; he now monitors the growing fellowship and traineeship operations of the Graduate School as Secretary of the Fellowship Committee, and, has been charged with the responsibility of monitoring the newly adopted policy in regard to faculty conflicts of interest. Miss Earickson who is completing her 24th year with the Graduate School continued her functions as office manager and general expert in all procedural questions.

Although the Graduate Committee had its statutory turn-over in six members, several of those joining the committee anew had

served on it previously, and belong among the most experienced members of the faculty.

The transfer of duties to the new Dean was greatly facilitated by the excellence of the office staff and the Graduate Committee, and by the generosity with which Deans Hendrickson and Rosenblum, and Mr. Walker briefed the undersigned first by letter and later by conferences.

ENROLLMENTS AND DEGREES AWARDED

Again, the Graduate School had an increase in enrollment. Although the rate of growth was not as large over-all as in the previous year during Semester I, it was radically larger in the Summer School and in Semester II.

	<u>Graduate Enrollment</u>	<u>University Enrollments Other than Graduate</u>
Summer 64	1,275	2,468
Summer 65	1,581	3,034
Increase	+ 306	+ 566
% Increase	+ 24.0	+ 22.9
Sem I 1964-65	1,955	8,768
Sem I 1965-66	2,050	10,136
Increase	+ 95	+ 1,368
% Increase	+ 4.9	+ 15.6
Sem II 1964-65	1,646	8,523
Sem II 1965-66	1,994	9,482
Increase	+ 348	+ 959
% Increase	+ 21.1	+ 11.2

Since the figures for the individual semesters have fluctuated considerably over the years, enrollment figures which total Summer School, Semester I and Semester II give a more balanced view of the comparative growth of the Graduate School. Accordingly, it may be said that enrollment in 1965-66 grew precisely apace with that of all other schools and colleges in the University -- 11.5 percent.

Total Student Enrollments, All Semesters

	<u>Graduate School</u>	<u>University, Minus Graduate School</u>
1964-65	4,876	24,635
1965-66	5,625	28,278
Gain	+ 749	+ 3,643
Percent	+ 11.5	+ 11.5

Using comparable figures on page 2 of Dean Hendrickson's 1965 Report, the Graduate School in 1964-65 grew by 14.3 percent.

It is difficult to ascribe this slight leveling off in rate of growth to any specific causes. No changes in admission policies or financial aid factors, which would have adversely affected the intake or survival of students for 1965-66, occurred in the previous fall or spring. But the decline in the percentage of growth at the graduate level is not to be viewed with alarm in any one year, particularly if one views it in the context of a longer perspective: the rates of growth reported in 1961-62 and 1963-64 were considerably below that of both, 1964-65 and 1965-66. It must also be remembered that the uninhibited quantitative growth at the graduate level is no blessing at all unless it is more than correspondingly accompanied by growth in senior faculty. And since the latter is not easily achieved, a natural decrease in demand is likely to have beneficial effects upon the quality of graduate instruction. Moreover, raw enrollment figures are not the only criterion of an institution's growth in stature.

Another measure of progress are the hours carried by graduate students per semester. During the first semester of 1965-66 fewer

than one-third of students in the pre-Master's category, and fewer than one-quarter of students in the post-Master's category, carried 10 or more hours -- a load which may legitimately be called full-time. More than one-third of all students carried three hours or less, and more than half carried six hours or less. There is no reason to believe that these figures are atypical of recent enrollment patterns. What these figures mean is that the Graduate School is predominantly attended by part-time students who, if they are interested in and qualified for a degree program, will normally require from two to four years for a Master's degree, and more than twice that period for a doctorate. To the extent to which we can maximize fellowship and traineeship aid we will be able to increase the proportion of full-time, degree-seeking graduate students. To the extent to which we can accomplish this change in enrollment pattern, our chances of obtaining support from a variety of federal agencies and private foundations will improve. To them enrollment statistics showing a high proportion of full-time, degree-seeking graduate students tend to represent an important criterion of quality and degree productivity.

In terms of degrees produced, another substantial increase can be reported:

	(1964)	1965	% Change	1966	% Change
Master's Degrees	(313)	347	+ 10.9	375	+ 7.8
Doctorates	(21)	48	+128.6	48	0.0

This puts the total of doctorates earned at the University of New Mexico since 1947 at 318. Having jumped by 128.6 percent last

year, the output of doctorates may well have been expected to level off. The fact that it remained at last year's level is due largely to the increase of doctorates earned in several fields of engineering.

FINANCIAL AID

In terms of financial aid for graduate students, the year 1965-66 showed an excellent advance of almost 16 percent over the previous year from \$906,460 to \$1,050,936. Since the graduate student body grew only by 11.5 percent, this indicates that financial aid became available to a larger segment of the graduate population. This trend appears to be continuing in the projected figures for 1966-1967. These figures are based on offered and accepted Fellowships, Traineeships, and Assistantships as of July 1966. They are conservative, since they do not contain figures for Research Associates and Temporary Instructors.

Table I "Source of Financial Aid to Graduate Students" shows that stipends exclusive of dependency, book and similar allowances, will increase by 18.7 percent from \$1,050,936 to \$1,247,440. In these totals, outside (non-state) funds constitute an increase of 75% from \$123,420 to \$216,000, while state funds for financial aid will increase by 11.2 percent. The most dramatic increases occurred in the NDEA Title IV Fellowships, where UNM was awarded an additional 30 by the Office of Education, in the NSF Traineeships where six additional grants are made available in the Graduate School, and in UNM Graduate Fellowships. The latter category increased by 134 percent in funds and 170 percent in number of fellowships awarded. This was made possible largely by the adoption of a new policy.

TABLE I

SOURCE OF FINANCIAL AID TO GRADUATE STUDENTS

Source	Number		Stipend		Cost-of-Education		65-66	Total 66-67
	65-66	66-67	65-66	66-67	65-66	66-67		
NASA Trainees	22	24	\$52,800	\$63,600	\$64,067 ¹	\$68,000 ¹	\$116,867	\$131,600
NSF Trainees	10	16	24,600	39,800	25,000	40,000	49,600	79,800
NSF Cooperative	3	1	7,200	2,800	7,500	2,500	14,700	5,300
NSF Graduate	-	3	-	8,200	-	7,500	-	15,700
NSF Summer	2	-	1,620	-	168 ²	-	1,788	-
Ford Foundation	-	2	-	5,200	-	672	-	5,872
Woodrow Wilson	2	1	4,000	2,000	4,000	2,000	8,000	4,000
NDEA Title IV	6	36	12,000	74,800 ⁴	15,000	90,000	27,000	164,800
NDEA Title VI	8	8	21,200	19,600 ⁵	2,928 ²	3,340 ²	24,540	22,940
Extramural Totals	53	91	\$123,420	\$216,000	\$118,663	\$214,012	\$242,495	\$430,012
UNM Peace Corps	10	6	15,650	11,600	-	-	15,650	11,600
UNM Grad. Fellows	14	38	26,200	70,000	-	-	26,200	70,000
UNM Grad. Assts.	248	260 ³	512,666	542,700	-	-	512,666	542,700
UNM Grad. Teach Asst.	33	35 ³	85,600	91,000	-	-	85,600	91,000
UNM Grad. Research "	100	110 ³	287,400	316,140	-	-	287,400	316,140
UNM Totals	405	449	\$927,516	\$1,031,440	-	-	\$927,516	\$1,031,440
GRAND TOTALS	458	540	\$1,050,936	\$1,247,440	\$118,663	\$214,012	\$1,170,011	\$1,461,461

1 University Allowance

2 Tuitions

3 Estimated

4 Academic year stipends - if everyone elects 1967 summer session, total is increased \$14,400

5 If 1967 summer session is elected, total is increased \$1,600

Under it, 30 percent of the Cost of Education Allowance on certain outside fellowships and traineeships is allocated to the Graduate School, while another 30 percent goes to the department where a fellow or trainee studies, and 40 percent goes to the Comptroller toward actual tuition costs. This spring, the Graduate School applied its share to the augmentation of its own UNM Graduate Fellowship fund.

Since financial aid is the life blood of graduate study, any increase in UNM's potential in this area is of utmost importance. Progress can also be reported on another front: the level of UNM Graduate and Peace Corps Fellowships was raised by \$100 from the present \$1,500 for pre-Master's candidates to \$1,600, and for post-Master's candidates from \$1,900 to \$2,000. Graduate Assistantships were similarly raised from \$2,200 to \$2,300 for Level I, from \$2,400 to \$2,500 for Level II, and from \$2,600 to \$2,700 for Level III. However, a study of neighboring state institutions revealed that even with these increases in the awards levels for 1966-67, our levels can hardly be considered competitive, since most of the neighboring states authorize state institutions to grant assistants and fellows tuition waivers. Consequently, the possibility of tuition waivers was strongly urged upon the administration by the Graduate Committee. These efforts, joined by the other New Mexico State institutions with graduate programs, seem to be meeting with sympathetic consideration in Santa Fe. If approval can be gained, which is devoutly to be hoped for, this would be tantamount to a \$308 across-the-board increase for all state-financed fellows and assistants per academic year. The consequence would be recruitment of better graduate assistants, less turn-over in their ranks, and better service by them to undergraduates.

The small decline in special Peace Corps Fellowships should be noted. Whereas it was felt in the past that a fixed number of these is appropriate, a legitimate question may be raised whether, given our limited UNM fellowship resources in 1965-66 of \$41,850, 37.3 percent or \$15,650 should be set aside for a special group of applicants, no matter how worthy. Another problem which arises in this arrangement is that if a specific number of special fellowships is set aside and the quality of applications for them does not match that of applications for the more generally available funds, a certain degree of inequity is introduced. For these two reasons it was decided to no longer specify the exact number of special Peace Corps Fellowships available in the future, and to award only a certain number consistent with how their quality matched that of other applicants for UNM fellowships.

A significant achievement may be seen in the fact that under the first NASA Pre-Doctoral Traineeship Grant, giving UNM six three-year awards beginning in 1963, seven Ph.D.'s were produced by June 1966, one through reassignment from one successful student to another. This was reported to NASA in this year's application for renewal under the same program.

A fairly substantial change occurred in the method whereby fellowships and traineeships for 1966-67 were awarded in the Spring of 1965. I felt that having separate faculty committees deciding upon separate awards because the awards emanate from different state, federal or private sources, was not the most equitable or practical process: it inhibits an over-all view of what funds are available to the students, graduate school-wide. It also inhibits a sense of

qualitative differences between students nominated for fellowships and traineeships by their respective departments. Consequently, one general faculty committee representing all major areas of graduate education on campus was appointed. It consisted of the two Assistant Deans as Co-Chairmen, Mr. Walker as non-voting Secretary, plus seven faculty members holding with one exception at least Associate Professor's rank. This committee screened the ranked departmental recommendations for awards and decided upon offers to current as well as entering students using as guidelines a policy statement from the Dean and the stated conditions under which diverse outside-funded awards can be offered.

With the growth in numbers and complexity of conditions attaching to federally financed fellowships and traineeships, the burden on the fellowship committee is expected to increase. It may become necessary for the committee to set policy and provide general supervision, but to let the actual making of offers be performed by the graduate office, i.e., the Assistant Deans. In effect this has already occurred to some extent, since offers which are turned down must be quickly reallocated to be effective.

Another innovation was the over-offering of UNM-financed fellowships. This was done based upon the experience that a certain percentage of such offers are normally declined necessitating subsequent offers to alternates. It is clear however that alternates are not, as a group, of a quality comparable to the original group of nominees. Therefore, certain conservative risks were taken, with the consent of the Comptroller, on these offers, and

some success can be reported. A similar system of over-bidding on new, incoming applicants for assistantships was recommended to and used by Department Chairmen. In many cases the turn-down rate was such as to make it clear that over-bidding for assistants had been too conservative. The secret behind this operation lies in the adequacy of statistics over a period of years reflecting offers of financial aid accepted or declined before April 15. Such statistics at present are only sporadically available, but will be collected more systematically in the future. Since it is considered too risky to over-offer federally financed awards -- they carry with them dependency and other allowances beside stipends -- the system cannot at present be applied to them.

A new proposal for 47 Title IV fellowships went to the Office of Education on May 27. A strong plea was entered to add the departments of Chemistry, Economics, and English to the list of approved departments.

SIGNIFICANT WORK OF THE GRADUATE COMMITTEE

The Graduate Committee, consisting of Professors Alexander, Campbell, Coke, Cooper, DeJongh, Goode, Grannemann, Green, Ivins, Kahn, Koschmann, McLaren and Utton, and of Drs. Whan (Los Alamos) and Foote (Holloman) and Deans Rosenblum, Steger and Springer ex officio, met altogether 14 times during the academic year. Four sub-committees appointed to study problems and make recommendations devoted additional time and effort to Graduate School problems. The problems studied by these sub-committees were by no means new to the Graduate School -- or any graduate school -- but none the less pressing:

(1) Admission Standards, Procedures and Quality Safeguards; (2) Graduate Credit; (3) Language Requirements and (4) Graduate Student Financial Aid and Working Conditions. It may be said that on each of these four fronts considerable progress was made, and under (2), (3) and (4) some significant new policies were reported out, debated, and adopted. A brief summary follows:

In the absence of a formal Graduate Faculty, the Graduate Committee bears the responsibility of approving both, courses and instructors for graduate level teaching. Past practice had been to approve each course and each instructor, ad hoc. Aside from the mechanical difficulties, the Graduate Committee perceived the impossibility of adequately performing this function under present and future circumstances, and resolved that while the essential responsibility for deciding (1) what constitutes graduate level instruction and (2) who can offer it rests with the departments, the Graduate Dean should exercise some control over the choice of instructors for graduate course teaching. Once approved for such teaching, a regular member of the faculty need not again be approved ad hoc. Periodic control over graduate course content is to be exercised by the Dean with the aid of visiting scholars from other campuses.

A re-definition of what constitutes passing the language requirements was arrived at early in the academic year. Those choosing the ETS examination must score at no lower than half a standard deviation below the mean of the norm group. Individual departments are free to set the minimum higher, and many departments have done so. Other options for passing consist of the successful accomplishment of at least a fourth-semester course with a grade of B, or a minor in the

language. It was specified that the language requirements for Ph.D must be met before registration for dissertation can be undertaken.

In regard to Financial Aid and Working Conditions, the sub-committee under Dr. Whan prepared a major document defining the categories under which graduate students at UNM receive appointments and financial aid, defining levels of aid, work loads and time limits. At this writing certain textual refinements are still being made in the document, but in its major outlines the document stands as a much needed statement of policy and a practical guide to appointments. In view of the diversity of graduate student financing and the conditions under which it is accomplished, this is a major achievement which was arrived at only after lengthy discussion extending over several meetings of the Graduate Committee. This document will be made available to the Faculty and Administration early in the Fall.

The sub-committee on Admissions Standards, Procedures and Quality Controls recommended, and the Graduate Committee voted, not to change present practices in admissions, but rather to devote further study to this problem in the Fall, including a review of the existing six categories into which graduate students are currently placed. Certain new proposals concerning the quality of theses and dissertations are now in preparation for submission to the Graduate Committee. More explicit directives concerning the form of theses and dissertations are to be issued; and thesis and dissertation readers will be asked to undertake a more detailed evaluation of the work read.

The Graduate Committee redefined the residence requirements for the doctorate, waived the Graduate Record Examination as a School-wide requirement on the basis of a study by Dean Rosenblum, made the \$10.00

application fee mandatory for all applicants except those previously admitted, and instituted a new system of continuous registration for dissertation and thesis. Under this policy beginning in September 1967, a student will have to accomplish at least 18 hours of doctoral dissertation credit, and carry at least three semester hours until completion; and six hours of master's thesis credit, with a minimum of one semester hour until completion. All these changes in policy will be reflected in the new Graduate School Bulletin which is slated for publication in August 1966.

The Graduate Committee expressed some concern about the quality of graduate level courses offered, and campus facilities available, during Summer Session. After considerable discussion and consultation with the Director of the Summer Session and Extension Division, it was voted to communicate some of these concerns to the Policy Committee with a recommendation that it, rather than the Graduate Committee, consider the concerns expressed by the Graduate Committee alongside those expressed by other bodies. Finally, the Graduate Committee agreed to the Dean's suggestion to continue as a functioning body and operate with a quorum during the summer months. Meetings were to be avoided but business can be conducted by memoranda and telephone.

GRADUATE CENTERS AT LOS ALAMOS AND HOLLOMAN

In the course of the academic year it became evident that both directors intended to resign their position: Professor Whan for the purpose of taking one year's leave abroad, and Dr. Foote to accept a position at another University. Two new appointments were made as a consequence, that of Dr. Richard H. Williams, Associate Professor of Electrical Engineering to the directorship at LASL, and that of Carey Law O'Bryan, Jr., M.S., a retiring Colonel in the U.S. Air Force, to the Directorship at Holloman.

Since the program at Holloman had met with certain difficulties, it was decided to subject it to a thorough review. This included a round of discussions involving the President of the University and the newly appointed Commanding General. Certain administrative and contractual changes were agreed upon, the Center itself was redesignated the Graduate and Continuing Education Center reflecting the double function it performs. Whereas responsibility for the Center had previously not been clearly defined on campus, and actually was carried by the Director of the Summer School and Extension Division, under the new arrangements, responsibility was clearly placed in the Graduate Office.

The program at the Graduate Center at LASL is expected to continue much along the lines established in the past few years.

THE GRADUATE OFFICE

The bulk of routine work in the Graduate Office continued to be the processing and evaluation of new applications and the determination and change in status of current students. A newly acquired function was the sending out of assistantship contracts, taken over from the Academic Vice President, because the Graduate School must check on the eligibility of students to hold such appointments. With the increase in enrollment and the availability in financial aid, these functions also increased.

A total of 8,292 applications were sent or handed out to potential applicants for admission and/or financial aid. This represents a 16 percent increase over last year's comparable figure of 7,123.

Total applications received for all semesters and the summer pre-semester numbered 3,475 of which 811, or 23 percent, were applications in good standing for readmission. Only 12 percent of all applicants

were refused admission to the Graduate School. Comparable figures are not available for years past, but will be kept in the future.

As pointed out by my predecessors, the work load during the Spring Semester tends to mount to where service to applicants and current students becomes inadequate, and extra help must be hired on, lest public relations suffer. Despite an authorized increase in temporary staff during the period of peak activity, the office experienced difficulty in keeping up with the evaluation of credentials, especially of foreign applicants. Consequently, the suggestion made last year by Dean Hendrickson to limit evaluations to the last two years of undergraduate work, plus graduate work, if any, was adopted. However, the time saving has not been so significant as to relieve the pressure. The evaluation of credentials is an indispensable service to the people who must make decisions on admission and financial aid, both in the Graduate Office and in the individual departments. At the same time it is necessary to collect certain statistics regarding the number of applications, admission and financial aid offers, acceptances, declinations, and other actions taken in the Graduate School and in the departments. More adequate records will have to be kept on the award of financial aid so as to avoid the offer of awards in conflict with conditions which attach to them.

While the over-all space of the Graduate Office is adequate for the next year or two, its layout is far from ideal, because file cabinets in which student records and applications are kept must be divided between several offices. Staff who work with these files are not located near them, nor can they be so distributed. At some time in the future it will be fruitful to have for our records and applications one large room in which all files can be kept.

In the course of the year the specific duties and functions of the two Assistant Deans, of Mr. Walker, and of Miss Earickson were reviewed, described and explicitly set down on paper. This serves as a checklist, avoids misunderstandings, and should be the first step toward an operating manual. Regarding the turn-over of Assistant Deans, see "Plans and Recommendations."

THE ANNUAL RESEARCH LECTURE

Richard Charles Dove, Professor and Chairman, Department of Mechanical Engineering, was elected to offer the Thirteenth Annual Research Lecture. The lecture, entitled "Advances in Man's Ability to Measure His Environment" was given in the Kiva of the College of Education at 8:00 p.m., Wednesday, April 20, 1966. President Popejoy introduced the speaker. About 175 guests were in attendance. Arrangements for the lecture were in the hands of Assistant Dean Arthur Steger.

HONORARY DEGREE CANDIDATES

Upon nominations from the Faculty, the Graduate Committee proposed, and the President and Regents accepted, the following candidates:

Robert Orville Anderson of Roswell, N.M. and Philadelphia, Pa. for the Degree of Doctor of Humane Letters.

Ward Darley, M.D., of Evanston, Ill. for the Degree of Doctor of Laws.

Roman Jakobson, Ph.D., of Cambridge, Mass., for the Degree of Doctor of Science.

The three candidates accepted these degrees at Commencement, June 10, 1966.

NEW DEGREE PROGRAMS

No new degree programs but some program extensions under existing degrees were approved: an option in the History of American Art was

added to those existing for the doctorate in American Studies. Under the existing MAT framework, a new option in the teaching of Science and Mathematics was approved. The Graduate Committee endorsed a petition by the Engineering Faculty to change the designation of the Sc.D. to the Ph.D. Students were for the first time admitted to the previously approved new Ph.D. program in Economics starting September 1966. An application for a new Ph.D. degree in Philosophy remains under intensive study.

THE GRADUATE STUDENT COUNCIL

During the academic year a formal organization of graduate students came into being largely at the initiative of a handful of advanced doctoral students, and with full support of the Dean. A constitution and by-laws were drafted by the organizing committee, approved by the Dean and President, and adopted by the students. Several useful ideas and studies have already emerged from the Council, among them a survey of pressing problems as perceived by students. The results of this work have been reported to the Graduate Committee. Several concrete measures regarding library procedures and the new dissertation fee have resulted from the Council's interests and activities. By invitation, the Dean attended all but one of its monthly meetings.

SERVICE ON COMMITTEES, PUBLICATIONS, HONORS

The Dean served on the following Committees: Graduate Committee, Administrative Committee, Committee to Allocate the NSF Institutional Grant, the Library Committee, and the Computer Center Advisory Committee.

Assistant Dean Rosenblum served on the Graduate Committee, continued as Director of the Career Scholar Program, chaired the Committee to Select the Annual Research Lecturer, co-chaired the Fellowship Committee and served on the Clinical Ph.D. Committee in the Department of Psychology

Dean Steger served on the Graduate Committee as its Secretary, and co-chaired the Fellowship Committee.

Mr. Walker served as Secretary to the Fellowship Committee.

The Dean published two reviews: of two UNESCO Record Albums of Laotian and Cambodian music in Ethnomusicology, Vol. IX, No. 3, 1965 pp. 337-340, and of Czech Nationalism: A Study of the Czech National Theatre Movement, 1845-83, by Stanley B. Kimball, U. of Ill. Press, 1964, in the Western Humanities Review, Vol. XIX, No. 4, pp. 371-373, and gave the Annual Phi Kappa Phi lecture in May 1966 entitled "The Future of Universities: America and Europe".

Dean Rosenblum published an article, with R. Sherlyn Meece, "Conceptual Thinking in Sixth-Grade Children as Measured by the Vygotsky Block Test", Psychological Reports, 1965, 17, pp. 195-202.

Dean Steger published an article, "On the Solution of the Matric Equation $X^n = A$." University of New Mexico Technical Report 81, 1965.

The Dean served as a Reader for the Danforth Teacher Fellowships.

Dean Rosenblum became President-Elect, New Mexico Psychological Association, served as Program Chairman and Chairman of its Professional Standards Committee, was Vice-President for Psychology, American Association on Mental Deficiency, Rocky Mountain Region, participated in several symposia, and gave 10 lectures to various church and civic groups about mental health and retardation. He was selected by the American Council on Education as a Fellow in Academic Administration for 1966-67.

Mr. Walker continued serving on the Governor's Scientific Advisory Committee and attended a conference at Socorro on October 16, 1965.

TRAVEL

In the fall the Dean twice traveled to Washington, D. C., once to consult the President of the Council of Graduate Schools about certain questions of Graduate School organization, and the second time to represent UNM at the Annual meeting of the Council of Graduate Schools. In January the Dean spent two weeks in Europe, at the invitation of the University of Bonn and the Free University of Berlin, to study University Reform. In November the Dean attended a two-day conference in Austin, Texas on the Higher Education Act of 1965. The Dean represented UNM at the Annual Conference of the Western Association of Graduate Schools in Tucson, Arizona, in February, where he chaired a panel on admissions; and in May served as a reader for the Danforth Foundation in St. Louis to select candidates for Teacher Grants. In May he attended the meeting of the National Association of Foreign Student Affairs (NAFSA) in Chicago.

In mid-April Shirley Earickson attended a workshop in Berkeley on "The Admission of Foreign Graduate Students."

PERSONNEL CHANGES

On July 1, 1965 Professor Morris Hendrickson, who had been Acting Dean, became Director of Institutional Research.

In September 1965, Arthur Steger, Associate Professor of Mathematics, replaced Assistant Dean Abraham Rosenzweig. In September 1966, Assistant Dean Sidney Rosenblum will be replaced by Brian O'Neil, who is coming to UNM as Assistant Professor of Philosophy upon completion of his doctoral work at Berkeley.

After 8½ years of devoted service, Mrs. Agnes Ransom retired in January as evaluator from the Graduate School staff. She has returned

occasionally to help out with special jobs, such as the indexing of the Graduate Committee Minutes. In July, Mrs. Doris Collins resigned as the Dean's Secretary in order to accompany her husband to a new position at Purdue. Several clerical changes occurred in the Graduate Office during the course of the year.

PLANS AND RECOMMENDATIONS

(1) General

A graduate dean can affect the quality and tone of his university only in a small number of significant ways: by controlling the quality of the student body at the intake and output points; by adding his voice to the making of senior appointments to the faculty; by contributing to the discussion of educational policy particularly where it intersects with fiscal policy; by devising consensus in the graduate faculty as to desirable standards and procedures which tie study, teaching and research into a logical relationship; and by contributing to the solution of the difficult problem of the relationship of the graduate assistant to undergraduate teaching.

In the absence of budgetary control over faculty appointments, the graduate dean can perform his quality control functions best by persuasion and negotiation with chairmen and "budget" deans. He can contribute to faculty recruitment in several different ways. He must devise means whereby news of achievements on his campus in graduate and research work can be widely disseminated.

(2) Permanent Staff

One of the first things is that the Graduate Office itself must represent an exemplary organization. As stated in the Introduction, the office was taken over in good shape in terms of personnel and procedures.

However, it became clear in the course of the past year that the regular rotation of Assistant Deans, while it has certain advantages, is not, on the whole, a desirable feature of the office. Two reasons militate against planned turn-over such as has been customary hitherto every three years: the inevitable loss of know-how and time in the change-over; and the maximization of risks always present in the selection of key personnel. For these reasons a move toward more permanent part-time or full-time professional administrators in the Graduate School is urgently recommended. Without question, Assistant or Associate Deans should have departmental affiliations, and be academically respectable in the eyes of the Faculty. But their primary allegiance should be to the administration of the Graduate School. It is believed that talented persons can be found to choose careers in academic administration of higher education.

Several areas of specialization within the graduate office will develop with further growth: admissions and financial aid; contract and grant administration; surveys and statistical reporting; personnel administration; counseling specifically of graduate students, including those from abroad; development and maintenance of adequate student records; evaluation of credentials; editing of bulletins, reports, minutes, forms and other materials issued by the office. These functions will be performed best if performed by professionals who, beside their broad academic training for the doctorate, have acquired some training and experience in these areas. It is not too early to begin thinking in these terms now when hiring personnel.

Along these lines, beginning in 1966, Assistant Deans will devote two-thirds time to the Graduate School during Semesters I and II.

Adequate professional staffing will also have to be provided for the summer months, since a great many decisions concerning admission and readmission for Pre-Session, Summer School, and Semester I still have to be made after Commencement. The semi-dormant status of the office appears to be a thing of the past. Since regular vacations are taken by the professional and clerical staff, the staff finds itself reduced during July and August. The principle should be that the office is never without professional presence at any time during the summer.

(3) Enrollment Projections

The staffing of the graduate office will become more and more crucial in light of newly developed anticipated enrollment figures which are based upon projections from patterns over the past six years:

	<u>Total Graduate Enrollment</u>	<u>Enrollment Semester I</u>
1966-67	6,415	2,470
1967-68	7,265	2,800
1968-69	8,210	3,160
1969-70	9,260	3,560
1970-71	10,425	4,000

Unless unusual events like a serious recession or change in draft patterns occur, these figures are believed to be accurate within a 3 percent margin. The estimated Semester I enrollments are arrived at by dividing the total year-round enrollments by 2.6. This means that over the next five years the graduate enrollments will grow by 62 percent, or 12.4 percent on the average per year.

(4) Need for Data Processing

Projections on part-time versus full-time enrollment, on degree completions, on geographic make-up of the graduate population are much more difficult than projections of raw enrollment. They depend on the availability of several forms of data about students which

are not yet in existence in systematic fashion. We should be able to produce studies which will show, for instance, the average age of our degree recipients, or the average time, by department, of degree completion; we should know with more accuracy how many students who are admitted provisionally or in unclassified status later obtain a degree; contrariwise, we ought to know how many students admitted to a degree status fail to finish and for what reasons. We should know, department by department, how various forms of financial aid accelerate or retard the earning of degrees.

These examples are not extravagant hopes for self-knowledge. To realize them it will be necessary to have a closer collaborative relationship with officials responsible for registration and administrative data processing. In contrast to undergraduate facts and figures, a graduate school has certain needs of its own for data which must first be collected at the point of admissions, amplified at registration, punched for data processing and maintained for an agreed period in information storage. Not all of these data are needed for internal planning. More often than not a Washington survey, an application for grants or the necessity of producing draft board certifications requires this sort of information. It has been too difficult in the past to generate historical information and projections into the future, except by laborious sifting by hand through student records. Professional advice as well as the facilities of the new computer center should be made available for administrative data processing to a greater degree than in the past year.

(5) The Cartter Report

Made on behalf of the American Council on Education, the report included UNM among the 106 universities which by 1964 were awarding 10

doctorates annually or more. Its appearance in May has occasioned much soul searching and discussion on all major U.S. campuses. In this report, the faculty of ten of our Ph.D.-granting departments were rated by 4,000 of their own academic peers on a four-point scale, and their programs on a three-point scale. Only Spanish, Anthropology and Electrical Engineering registered on these scales, ("Distinguished", "Strong", "Good", "Adequate" for the Faculty; and "Extremely Attractive", "Attractive", "Adequate Plus" for the Program) whereas the other departments obtained rather heavy votes of "Marginal" or "Insufficient Information". As the Dean of the College of Arts and Sciences put it in a letter to his department chairmen, "the study is quite sophisticated methodologically, and I believe the findings are as valid and reliable as one could expect within the limits of a survey based on 'informed opinion' within each discipline." While it is acknowledged that the survey tends to favor the better known universities and jeopardize the lesser, and that its findings reflect opinions more valid five years ago than now, still it provides us with much food for thought and a great challenge. I subscribe to the suggestions made by Acting Academic Vice President Hendrickson that we must spend more energy and money to make our faculty and university better known in the nation. Two specific ways in which this can be achieved have already been proposed: (1) A regular program whereby visiting committees consisting of eminent scholars from other campuses could be brought to UNM on a consultative basis; and (2) the appointment of a permanent or visiting basis, of several distinguished senior professors annually over the next few years.

A sizeable proposal concerning (1) went to the Danforth Foundation of St. Louis, Mo., on May 19, 1965, over the President's signature. And a concrete proposal for the accomplishment of (2) was submitted to the

President by the Dean more recently.

Another, less costly method of drawing favorable attention to the Graduate School is the publication of a quarterly or semi-annual newsletter, or more substantial report. Articles of some scholarly interest and merit, such as for instance the Annual Research Lecture, could be reprinted therein.

If some of these measures succeed, a future study will surely find UNM considerably further ahead.

(6) The Preparation of Major Proposals

It will be true for some years to come that competition for federal and foundation funds will increase. In the case of major institutional applications for funds, such as for instance an application for a Center of Excellence grant, it is extremely important that the form and substance of what is submitted be of superior quality. Major proposals requiring the collaboration of several UNM colleges and departments cannot be prepared overnight nor on a shoe-string. When several hundred thousand or million dollars are at stake, it makes sense to plan carefully, use special professional assistance, use attractive formats, and, in general, devote particular attention to the public relations aspect of such a document. Recently the Reporter Magazine carried an article about academic lobbyists in Washington. While I am not advocating that UNM spend funds on this form of activity at present, I feel that it is false economy to skimp on major university proposals which emanate from our campus. Informality and shortcuts are possible within the shelter of our campus, but they hardly impress those who must judge our requests outside. It may make eminently good sense to attach a person or small staff for this purpose to the office of one of the Vice Presidents, especially

since related issues such as described in the next paragraph, could also be handled by such specialists. I recommend that this be given serious consideration.

(7) Bulletins and Other University Publications

Perhaps no other publication finds as wide distribution off campus as our bulletins and catalogs. To a surprising degree these are used not merely by academic counselors, prospective applicants and students, but as basic documents by public agencies and by the foundations. Again, as pointed out in the preceding paragraph, it is probably well worth while to use first-class editorial talent to see that these publications are as attractive, dignified, and informative as possible. A small effort along these lines is being made with respect to the Graduate Bulletin to appear in August. But a major effort applicable to the other bulletins in the series may also be beneficial, and pay dividends in terms of the image we project.

Respectfully submitted,

George P. Springer
George P. Springer
Dean

REPORT OF THE CAREER SCHOLAR (FORD FOUNDATION) PROGRAM

FOR 1965 - 1966

I. INTRODUCTION

The goals and purposes of the Career Scholar Program at UNM, as devised by its original architects, have been fully documented in previous reports to the Foundation and need not be reiterated here. Suffice it to be said that during its five year tenure on our campus the Program has progressed within the general guidelines set down by the Foundation, with periodic innovations planned and implemented to meet local needs and test new procedures.

This year's report represents somewhat of a departure from former reviews submitted by the Director inasmuch as little space will be devoted to statistical, enumerative data. Rather, it will deal primarily with reporting and evaluating the responses made by participating students and faculty to a final questionnaire about various facets of the Program. Although it will probably be some years before a composite assessment of the worth of the Program can be made at the national level, it seems appropriate for individual universities to attempt an evaluation of their efforts, no matter how grossly, at the local level. This, then, is to be the major focus of our final report to the Foundation.

II. PARTICIPATING DEPARTMENTS AND STUDENTS

Ten departments, all in the College of Arts and Sciences, participated in the Program this year: Anthropology, Biology, Chemistry, Comparative Literature, English, ^{French} History, Mathematics, Psychology and Spanish.

Twenty-seven Career Scholars (15 graduate students and 12 seniors) were enrolled in the Program at the beginning of the 1965-66 academic year. (See Appendix A for a complete listing.) As in past years, the content and structure of students' major projects have been broad and variously implemented. For the most part, assignments for seniors, devised after careful consultation between student and tutor, involved a substantial amount of preliminary work for the master's thesis. Graduate students this year were given more independent teaching responsibilities than has been the case previously, in keeping with the goal of providing more such depth experiences for students at this level. A summary of student projects and related assignments is found in Appendix B.

At commencement exercises in June 1966 three students, identified by asterisks below, completed their programs in the three-year prescribed period and received master's degrees. They were joined by six other Career Scholars who had needed one or two additional semesters beyond their tenure with the Program to complete all necessary work. The graduating students were:

<u>Name</u>	<u>Department</u>
Thomas LeRoy Bennett, Jr.	Psychology
Winifred M. Horne Franks	English
Patricia Ann Hogan	English
Richard Andrew Holley	Mathematics
*Margretta Lea LeRoy	Spanish
Mary Childers Mangusso	History
Stephanie Mitchell	English
*Nancy Therese Snodgrass	History
*Stephen Carl Vorenberg	Mathematics

III. STIPENDS

A change in financial benefits for graduate students in the Program was effected this year. In keeping with over-all modifications made by the Graduate School for graduate assistantship awards, Career Scholars at this level received \$2200 for the year, an increase of \$200. As in past years, only half of the graduate award was charged to the Ford Foundation. Seniors in the Program received \$400, the same amount as was the case last year. No Junior stipends were awarded inasmuch as there were no students participating at this level during 1965-66.

Faculty members serving as tutors and Department Coordinators were reimbursed for their services at the same rates that have prevailed since the Program's inception.

Summer Fellowships of \$250 each were awarded to 12 Career Scholars desirous of spending time during the 1966 summer session taking courses or performing duties related to their master's programs.

A detailed financial statement is to be found in Appendix D.

IV. ADMINISTRATION OF PROGRAM

The administrative procedures detailed in former reports prevailed this year also. The operation of the Program was directed by the writer who is also Assistant Dean of the Graduate School. Aiding in policy-making matters was a fifteen-member Coordinating Council, consisting of departmental coordinators, and other administrators of the University. A complete listing of the Council, plus faculty tutors, is to be found in Appendix C.

V. EVALUATIVE COMMENTS OF SCHOLARS AND DEPARTMENT COORDINATORS

Background

Shortly before the end of Semester II, 1965-66 separate questionnaires were sent to students and their Department Coordinators soliciting frank, evaluative reactions to the Career Scholar Program and their participation in it. Returns from both groups approached 100%, and although no attempt was made to analyze the results in any controlled, statistically sophisticated manner, the comments garnered reflect certain clusters of consensus about the Program as it reached its terminal stage. Most of the 27 student respondents had been in the Program for three years; the majority of Department Coordinators had four to five years of accumulated experiences on which to base their impressions.

The items of the student questionnaire will be presented first, along with general conclusions and illustrative comments from selected respondents.

Student Questionnaire1. What features about this Program did you find most valuable?

The most commonly cited advantages, in order of their ranking, were (a) close contact with faculty member; (b) the stipend; and (c) availability of broadening academic experiences.

"I think the increased association with my major professor and other professors in the department was most valuable. I was able to feel a part of the graduate program and its aims while still an undergraduate, and I entered graduate school with confidence and a better understanding of what would be expected of me as a graduate student." (Female, graduate, Biology)

2. What features of this Program did you find least valuable?

Some students indicated no dissatisfaction at all with the Program; others listed such "tedious" activities as bibliography work and correction of papers, and a few others suggested that the assignment of tutors was somewhat arbitrary and effected without taking the student's needs into consideration. One student made the following recommendation:

"Let the student pick his tutor and let the two of them work out a specific project. For example, when Mr. _____ was my tutor my project was the compilation of a working bibliography to be used by him in his upcoming book. I knew exactly what was needed, he helped me discover where to get it, and when it was finished I could see what I had done. Though it may not have been the greatest bibliography in the world, I considered it thorough and worthy of the time and effort dedicated to it...." (Male, graduate, English)

3. Did this Program convince or encourage you seriously to consider college or university teaching as a career? That is, would you have considered or gone into college or university teaching if it had not been for this Program?

Most students indicated they were tentatively interested in college teaching before becoming enrolled in the Program, but that their participation in it over the years confirmed this interest and gave them a more realistic understanding of what it means to be a member of the college teaching guild.

"This program encouraged me to consider college or university teaching but I would have done so anyway without it. However, the program did result in an early partial evaluation of career possibilities, and I am now more inclined toward a teaching career than I was before entering the program." (Male, senior, Biology)

4. Do you feel you received greater personal attention from the faculty than you would have if you had not participated in this Program?

One student answered negatively; one student was equivocal; all the others responded affirmatively.

5. Did this Program accelerate your graduation? If so, please state how?

The responses were about equally divided between negative and affirmative answers. From two of the students who felt the Program did help in this area the following comments were received:

"It helped by enabling me to attend two summer sessions on summer fellowships and to take a graduate level course during my first semester as a senior." (Male, graduate, Spanish)

"It didn't help for the B.A., but it definitely enabled me to get my M.A. at least a semester ear y." (Male, graduate, English)

6. Did this Program permit you to do anything you would not or could not have done otherwise? If so, please explain.

The following are representative of the types of responses submitted:

"As an undergraduate I received experience in some teaching and associated duties that I would not have gotten otherwise." (Female, graduate, Biology)

"Not really, because I am certain I could have received a graduate assistantship. But I do think it was easier this way." (Female, graduate, Spanish)

"Yes. It permitted me greater contact with the faculty, their research, and their ideas not ordinarily expressed during thier teaching duties." (Male, senior, Anthropology)

"Yes. Working with Professor _____ in his editing of _____ is an experience that I could not have obtained in any other way at this University." (Female, senior, English)

7. Do you think this Program or a modified one should be continued?

All respondents felt the Program should be continued. About half felt the Program should be continued in its present form. Those who expressed a need for modification listed such changes as "the elimination of the pressure element", "more emphasis on teaching experiences and less on accelerating graduation", and "more summer fellowships and the opportunity to obtain at least two summers of such aid".

Summary

Although conclusive generalizations from data as sparse and uncontrolled as these are hazardous, a picture of the "typical" Career Scholar at UNM and his opinions does seem to emerge. He is a student who views the Program as a predominantly positive factor in his education, although he is not completely satisfied with all aspects of it. His latent interests in college teaching have been strengthened during his tenure by close contacts with faculty members, involvement with research, independent teaching (not enough of this, however), and such benefits as opportunities for graduate work while still an undergraduate. He values the stipend attached to the Program and wishes more summer fellowships could be provided. He feels the Program has not significantly accelerated him toward the master's degree, but he is of the opinion that the time taken for the Ph.D. may, indeed, be foreshortened by his participation in it. To round out this picture, evidence from another source obtained last year suggests that the typical Career Scholar at UNM is not going to find a full-time teaching assignment after receipt of his master's degree; on the contrary, he is dedicated to the notion of uninterrupted work toward the doctorate to be taken either at UNM or elsewhere.

Department Coordinator Questionnaire

Inasmuch as the questionnaire for Department Coordinators was fairly lengthy and detailed it would be cumbersome to report all aspects of it. For purposes of clarity and economy responses will be grouped under six major headings: early identification of students, acceleration of programming, financial arrangements,

student-faculty relationships, attrition, and post-project recommendations.

Early Identification of Students

A majority of Departmental Coordinators felt that successful identification of students for the Program at the end of the sophomore year was, at best, a difficult task. Furthermore, some raised a question about the feasibility of investing time and money in a student at this level of undergraduate training while his interests were still fluctuating. Were the program to be begun anew, several Coordinators opined they would favor waiting until the end of the junior year to begin recruitment.

Acceleration of Programming

The consensus on this issue is in accord with feelings of student respondents, namely, that acceleration was not achieved to any great extent for the majority of participants. One Coordinator estimated that about 1/4 of his students were accelerated somewhat toward the completion of master's requirements. When acceleration did occur, most Coordinators agreed that it was a function of careful scheduling, the carrying of some over-load hours each semester, and the opportunity to take up to six hours of graduate work during the student's senior year. One respondent commented that acceleration, in some instances, carried with it an overload of subtly or overtly placed pressures for the student, which precluded adequate time for reflection and true scholarship.

Financial Arrangements

All respondents indicated that financial arrangements for students and faculty alike were wholly satisfactory.

Student-Faculty Relationships

The tenor of student-faculty relationships during the existence of the Program was considered excellent, on the whole, by all Coordinators. It appears

then, that the faculty's view of this aspect of procedural arrangements is consistent with that of the students, with both groups obviously welcoming and profiting from closer working relationships. Typical of the comments received were those of one Coordinator who said that the Program "enabled us to come to know superior students sooner and to exercise a beneficial professional influence on them. It has also given the students a much better insight into the profession."

Attrition

Most Coordinators felt that the attrition rate during the life of the Program was about what was to be expected. (Figures based on yearly studies suggest this rate averaged 33% during the first three years of the Program, was about 25% during the fourth year, and dropped to 10% during the final year.) One Coordinator of a department in which there was a high ratio of female to male participants indicated that the attrition rate was higher than had been expected, due to reasons of matrimony, finance and mobility of husbands.

Post-Project Recommendations

As was true for the students, all of the responding Department Coordinators were in favor of continuing the Program after expiration of the five-year grant. A few suggested it be retained in its original form, with more recommending a blending with Departmental Honors Programs. There was practically unanimous agreement that faculty stipends should be abandoned if tutor-student relationships were to be continued, but that faculty time devoted to this activity be counted administratively as part of a total academic load. There was moderate support for the continuation of student stipends, "as an incentive".

VI. EPILOGUE

The Career Scholar Program at UNM now ends as a five-year experimental venture supported by Ford Foundation funds. On the basis of all accumulated evidence to date it would seem fairest to conclude that it was, in sum, a moderate success. Some aspects of the Program flourished with age: the student-tutor relationship, including an introduction to research and teaching; the opportunity for graduate level work while still an undergraduate. Other portions of the Program died a-borning, as, for example, a proposed course for credit on aspects of The Higher Educational Scene in America. Still others would seem to defy current evaluation: the monthly Newsletter, prepared for two years to maximize communication and build esprit; the monthly non-credit colloquia, designed to present critical issues related to the college teaching profession; the special reading lists compiled by each Department as a spur for independent study and scholarship.

At the outset, the University committed itself to the continuation of the Program in some form after the five year experimental period had expired. To honor that commitment a drive is now being undertaken to revitalize dormant Departmental Honors Programs, on a University-wide basis, which will incorporate some of the best aspects of the Career Scholar Program. Administratively, each department undertaking such a venture will be responsible for recruiting participants from the ranks of its major students and funding the program in its own way. One department has already received support from the NSF Undergraduate Training Program to help with its activities, including the bringing to our campus as colloquia speakers distinguished representatives of the discipline.

Since ventures of this sort are intimately related to the General Honors Program, Dr. Dudley Wynn, Director of the General Honors Program at UNM, has graciously consented to serve as administrative liason between the two programs beginning in the fall of 1967.

VI. ACKNOWLEDGEMENTS

Once again, sincere appreciation is expressed by the Director to the members of the Coordinating Council who aided in the total administration of the Program at the departmental level this year. Acknowledged, too, are the efforts of those UNM faculty members who, in their roles as tutors, made a significant contribution to the Program by providing students with a series of specialized experiences illustrative of the college teacher's responsibilities. The students, themselves, deserve a word of praise for their concerted efforts to make the Program a truly cooperative venture.

The Director should like to make special note of the efforts of the Program's secretary, Miss Sandra Moser, who handled a great number of administrative details efficiently and always with good spirit.

Thanks, too, are expressed to Dr. Thomas W. Parker, Regional Consultant to the Ford Foundation, whose suggestions and recommendations on the occasion of his visit to our campus last December were significantly helpful and constructive.

APPENDIX A

Students in Career Scholar Program at Start of Semester I, 1965-66Anthropology

Hart, Valerie
Randall, John

Biology

Wilson, Jane Hale
Laycock, Molly
Snipes, Morris

Chemistry

Fowler, Malcolm
White, Nancy

Comparative Literature

Denes, Anna Marie

English

Beisman, Emeline
Coburn, Leon
Goetz, Myra
McCormack, Janet
McGuire, Pat
Orem, Elizabeth
Sweeney, John

French

Milner, Virginia

History

Gober, Jay
Snodgrass, Nancy

Mathematics

Shannon, David
Vorenberg, Stephen

Psychology

Brown, Alan
Daniel, Terry
Knott, Barbara
Mitchell, Charles

Spanish

Baxter, Connie Garcia
Leroy, Margretta
Smith, Charles

APPENDIX B

CAREER SCHOLAR PROGRAM

SUMMARY OF TUTORIAL PROJECTS

SCHOLAR	STATUS	TUTOR	TITLE OR DESCRIPTION OF PROJECT
<u>ANTHROPOLOGY</u>			
Hart, Valerie	Sr.	Gonzalez	Working with Bernalillo County Economic Opportunity Board on community project involving social and cultural aspects of South Barelaz.
Randall, John	Sr.	Basehart	Coding and processing field data collected by tutor among the Mantengo of Southwestern Tanzania.
<u>BIOLOGY</u>			
Wilson, Jane Hale	Grad.	Beakley	Teaching one section of Biology 393 laboratory.
Laycock, Molly	Grad.	Johnson	Aiding tutor in preparations of genetics laboratory sections; grading introductory genetics papers and exams.
Snipes, Morris	Sr.	Riedesel	Conducting experiments involving analyses of whole animals and various tissues for cesium-137 and sodium-22.
<u>CHEMISTRY</u>			
Fowler, Malcolm	Grad.	Kahn	Preparing research paper on "Chemistry of Carrier-Free Iodine 131"; grading weekly quizzes for Chemistry 311.
White, Nancy	Sr.	Castle	Teaching two laboratory sections in Chemistry.
<u>COMPARATIVE LITERATURE</u>			
Denes, Anna Marie	Grad.	Zavadil	Investigating the growth and development, of medieval allegory as a literary form and style as well as a habit of thought.

APPENDIX B

CAREER SCHOLAR PROGRAM

SUMMARY OF TUTORIAL PROJECTS

SCHOLAR	STATUS	TUTOR	TITLE OR DESCRIPTION OF PROJECT
<u>ENGLISH</u>			
Beisman, Emeline	Grad.	Baughman	Compiling bibliographies in American literature, American Studies, and Folklore; explicating Whitman's bibliography.
Coburn, Leon	Grad.	Pickett	Teaching in English 101; continuing bibliographic work for tutor.
Goetz, Myra	Sr.	Freedman	Teaching freshman seminar in General Honors Program; working on "A Study of Tragedy", possible thesis topic.
McCormack, Janet	Sr.	Arms	Editing W. D. Howells' letters; analyzing novels and poems of Howells' contemporaries.
McGuire, Pat	Sr.	Tedlock	Reading and analyzing segments of modern literature; preparing discussion for tutor's course, "The Rise of Realism."
Orem, Elizabeth	Sr.	--	Assisting with Freshman Honors Seminar (G. S. 101-102); grading papers and leading discussions.
Sweeney, John	Sr.	Baltzell	Reading and analyzing major primary texts in continental medieval literature; aiding tutor in research project.

FRENCH

Milner, Virginia	Sr.	T. Book	Teaching portions of elementary French courses under supervision.
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HISTORY

Gober, Jay	Sr.	Dykstra	Observing and discussing teaching methods of tutor; reading examinations for course, History 375.
Snodgrass, Nancy	Grad.	Rothenberg	Teaching three sections of History 101.

APPENDIX B

CAREER SCHOLAR PROGRAM

SUMMARY OF TUTORIAL PROJECTS

SCHOLAR	STATUS	TUTOR	TITLE OR DESCRIPTION OF PROJECT
<u>MATHEMATICS</u>			
Shannon, David	Sr.	Hillman	Assisting in program of mathematics for honor students not majoring in the sciences and in seminar on challenging problems for math majors.
Vorenberg, Stephen	Grad.	Mayer	Studying and cataloguing materials on ordered sets.
<u>PSYCHOLOGY</u>			
Brown, Alan	Grad.	Koenig	Investigating certain parameters of behavior modification procedures; presenting lectures to tutor's classes on pertinent matters.
Daniel, Terry	Sr.	Ellis	Working on research project in transfer in perceptual learning; laboratory demonstrations in tutor's learning class.
Knott, Barbara	Sr.	Rhodes	Working on research project evaluating differences in evoked responses during different stages of anoxia.
Mitchell, Charles	Sr.	Logan	Teaching one laboratory section of Psychology 101; continuing study of animal learning.
<u>SPANISH</u>			
Baxter, Connie	Grad.	Lamadrid	Teaching one section of Spanish 101.
Leioy, M.	Grad.	Duncan	Teaching one section of Spanish 252.
Smith, Charles	Grad.	Lamadrid	Teaching one section of Spanish 101.

APPENDIX C

Faculty Participants in Career Scholar Program, 1964-65

Anthropology: Professor Campbell, (Department Coordinator); Professors Gonzalez and Basehart.

Biology: Professor Potter, (Department Coordinator); Professors Beakley, Johnson and Riedesel.

Chemistry: Professor Castle, (Department Coordinator); Professor Kahn.

Comparative Literature: Professor Simons, (Department Coordinator); Professor Zavadil.

English: Professor Simons, (Department Coordinator); Professors Arms, Baltzell, Baughman, Freedman, Pickett and Tedlock.

French: Professor Davison, (Department Coordinator); Professor T. Book.

History: Professor Skabelund, (Department Coordinator); Professors Dykstra and Rothenberg.

Mathematics: Professor Mayer, (Department Coordinator); Professor Hillman.

Psychology: Professor Ellis, (Department Coordinator); Professors Koenig, Logan and Rhodes.

Spanish: Professor Davison, (Department Coordinator); Professors Duncan and Lamadrid.

Other Members of Coordinating Council

George P. Springer, Dean, Graduate School

Morris S. Hendrickson, Acting Academic Vice-President

Hoyt Trowbridge, Dean, College of Arts and Sciences

Chester C. Travelstead, Dean, College of Education

Dudley Wynn, Director, General Honors Program

APPENDIX D

Financial Statement, Academic Year 1965-66

Salaries:

Director	\$ 4,755.00
Secretary	2,133.12
Faculty advisors	8,187.50
Total Salaries	\$15,075.62

Student Stipends:

Seniors	\$ 5,862.72
Graduates	<u>12,100.00</u>

Total	\$17,962.72
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Summer Stipends	<u>3,000.00</u>
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Total Student Stipends	\$20,962.72
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Book Allowances for Students	229.45
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Supplies and Equipment	48.71
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Publications and Information Bulletins	<u>107.01</u>
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	<u>\$36,423.51</u>
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Cash Balance, July 1, 1965	\$11,709.06
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Cash Received, 1965	27,000.00
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Total	\$38,709.06
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Current Year's Expenditures	<u>36,423.51</u>
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Cash Balance, June 30, 1966	\$ 2,285.55
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REPORT OF THE SCHOOL OF LAW

July 1, 1965 - June 30, 1966

Thomas W. Christopher, Dean

I. General School Information

A. Significant Achievements

Enrollment in the fall of 1965 was up about 50 per cent over the prior year: 144 as compared to 98. The freshman class had 76 students, of whom 20 were from other states. The median LSAT score was 544, as compared to 516 in 1963. Eleven of the 76 were suspended in June for academic reasons, and eight had dropped out during the year, leaving 57.

A number of physical improvements were made in the law building, with air conditioning being the major one. Additional office space for faculty and for secretaries was added. A fair amount of elementary office equipment has been secured. (type-writers that type, staplers that staple, a dictating machine for the dean, an adding machine, etc.), so that the school is able to operate in a reasonably efficient fashion. The secretarial group has been improved by additions and also by departures. Overall, the school is receiving the facilities (and developing a climate) for top notch faculty research and teaching. The addition to the building, now being planned, will provide the needed space for the next five years, with additional library stack space being needed thereafter.

A program of continuing legal education for the Bar was established, with plans for two institutes a year in Albuquerque,

and one or two in other areas. An institute on estate planning was held in Albuquerque in the fall, and one on anatomy for lawyers in the spring--both in cooperation with the local and state Bar associations; an institute in estate planning was held in Las Cruces in the spring, in cooperation with the local bar association. All institutes were well attended and well received.

A Bureau of Legal Research and Services was set up, primarily for the purposes of publishing, doing fundamental research, holding Institutes and special training classes, and rendering service to the state of a non-educational character. The Bureau received a grant of \$8,000 from the state in July, and it is expected that additional state funds will be available. This Bureau is badly needed and it will render valuable service to the state and to the University in the years ahead.

The law school has worked closely with the state Constitutional Revision Commission and with other state groups during the year, and with the state Bar Association. The school, for example, did the tabulations on an extensive questionnaire for the state Bar Association, and five professors worked on projects for the Constitutional Revision Commission.

Steps have been taken to insure continuous communication between the law school and the Bar. One item is the publication of a newsletter entitled "Law School Notebook," copies of which are mailed to all alumni and also on occasion to all members of the New Mexico Bar Association.

The Law Alumni Association was formally organized. Also, a foundation (University of New Mexico Law School Foundation) was established for the purpose of raising funds for the benefit of the school. Both of these organizations should, over the years, be of substantial financial assistance to the law school, and they also should engender support for the University as a whole. The beginning on a loan fund has been made.

A program has been set up to establish better contact with pre-law students, not only on this campus but in colleges and high schools over the state. Meetings for pre-law students are being held; printed materials are being prepared; high school and college students are being encouraged to write to and visit the law school. Faculty members are visiting colleges over the state, meeting with pre-law students.

Efforts are being made to establish a program to encourage more Indians to study law. Progress has been slow, due in part to bad luck (the man who had the influence to secure the needed money was transferred to a new job at the last moment).

A little progress was made in rendering services to the University and to the law public. The law school sponsored a panel discussion open to the public on the role of the foundation in our society; it was poorly attended. On Alumni Day, it sponsored a panel discussion on the right-to-vote question; it was poorly attended. These efforts will continue. Faculty members served on several University committees, participated in a large number of

community activities, and spoke before various community groups.

The faculty revised the curriculum with the view of enriching the offerings. Of special interest is the addition of international law as a required course in the freshman year. Also, more courses are being offered in the general fields of administrative law and of federal law.

The faculty, for the moment, is stabilized. It is an extremely able group, one that would be hard to replace, and it ranks with the best. Five out of seven had attractive offers from other schools.

The Student Bar Association was active and effective. It provided a constant flow of social activities, with adequate refreshments, noise, and entertainment to insure the needed social betterment. It sponsored a series of speakers for the law students, a meeting with pre-law students on the campus, a moot court competition, a bail bond project for indigent prisoners, and several other projects. Second and third year students participated actively in the Albuquerque Legal Aid program. In addition, the officers cooperated closely in publicizing unpopular decisions by the faculty. The law school has one of the most active student bars in the country.

B. Significant Needs

1. Substantial amounts of money for scholarships and loans.
2. Additional money beyond the regular appropriations for law library books. The law library received a special appropriation of \$20,000 for this purpose in 1965-66, and it will need grants in similar amounts for several more years.
3. More B+, A- students.

4. Time.

C. Appointments to Staff

Thomas W. Christopher became dean of the School of Law, and professor of law on July 1, 1965. Willis H. Ellis, a rising name in the field of natural resources law, joined the law faculty as visiting associate professor on September 1, 1965, and has now accepted a permanent appointment. Malcolm P. Sharp, one of the top law teachers and scholars in America, joined the faculty as visiting professor on September 1, 1965, and will be with us the coming year. Two local attorneys served as part-time lecturers during the second semester: Roland B. Kool (labor law) and William C. Schaab (trusts).

Denny O. Ingram was appointed to the faculty as an associate professor, effective September 1, 1966. Mr. Ingram formerly was on the law faculty of the University of Texas, had been a member of a prominent Austin law firm, and had been a member of the Texas legislature.

Leo Kanowitz was appointed to the faculty as an associate professor, effective September 1, 1966. Mr. Kanowitz has been on the law faculty of St. Louis University, and his scholarly interest is in family law. In addition to his ability as a lawyer, Mr. Kanowitz has a background of travel in Europe, and he is fluent in two foreign languages.

Frederick M. Hart, now professor of law at Boston College, will be a visiting professor for 1966-67. Mr. Hart has a national reputation in the field of commercial law.

Jerome Hall, one of the top men in the world in the field of criminal law, now at the University of Indiana, will be visiting professor of law for the second semester.

It may be noted that the faculty considered more than a hundred names for the three regular positions, choosing a top list of five, and Messrs. Ingram, Kanowitz and Hart were on this top list. Thus, we have no second choices.

D. Leaves and Resignations

Alan D. Liker will be on leave of absence for 1966-67, visiting at U.C.L.A.

Mrs. Jane Goldman, Assistant Librarian, resigned June 30, 1966.

Henry Weihofen will be on sabbatical leave during the second semester, 1967.

II Information on Faculty

The law faculty was active in scholarly work and in publishing. Of nine people with faculty rank, eight had research, articles or books in progress during the year; eight had publications in scholarly journals, with a total of eleven articles, one chapter in a book to be published, and six book reviews (the ninth man had several research projects under way which will result in publications in the future); this makes a total of eighteen publications during the year, not counting speeches and the like. Five members of the faculty are working on books, or sections of

books. Mr. Christopher completed a book, to be published by Commerce Clearing House, Inc., in the fall. Eight of the nine attended one or more professional meetings. Five were active in doing research for various state agencies.

The dean attended a number of professional meetings, including that of the American Bar Association, the New Mexico Bar Association, the Southwestern Law Teachers Association, the Association of American Law Schools, American Law Institute, Southeastern Law Teachers Association, and several others. He also visited local bar associations at Hobbs, Clovis, Albuquerque, and Santa Fe, and he visited the campuses of most of the colleges in the state to talk with pre-law students and with pre-law advisors. He made several talks and speeches over the state and outside the state.

Mr. Ellis has been particularly active in the field of natural resources, has several research projects under way, and is gaining national recognition. The librarian, Mr. Fink, began a cooperative research project with the state Supreme Court library, and has been busy building up the collection of books. Professor Liker organized and supervised the excellent program of continuing legal education for the bar, conducting two of the institutes himself, and he carried on several research projects. Professor Seed has been active in the Rocky Mountain Mineral Law Foundation Institute. Professor Selinger has been quite active in committee work in the law school, on the campus, and in the community;

he is president of the local chapter of the A.A.U.P. for the coming year, and is one of our more useful citizens. Mr. Sharp took an active interest in national and international problems. The University of Chicago Law School honored him in a special issue of their law journal--an honor that comes to only a few law professors. Professor Utton continued his work as faculty editor of the Journal of Natural Resources, and has been in charge of the student loan and scholarship programs and of several law school projects. Professor Weihofen made numerous talks and speeches over the nation, received a number of honors, and in general has been busy with his scholarly work and with committee work on and off the campus. This was one of his more fruitful years.

III Finally

It has been a reasonably good year. Support from the University has been excellent. The school has received splendid cooperation, assistance, and understanding from the entire campus, and especially from the various administrative offices. The faculty has worked hard and is in good spirits. Student morale seems to be satisfactory. Academic standards are high. Alumni and Bar interest is good and appears to be on the upswing. The school is rapidly getting the overall academic structure, physical plant, student body, budget, and public support needed to build one of the outstanding, small law schools in America. The next four years will tell the tale.

THE UNIVERSITY OF NEW MEXICO
SCHOOL OF MEDICINE

Annual Report

July 1, 1965 - June 30, 1966

Key events in the development of the School of Medicine during the 1965-1966 academic year included the decision to move directly to a full four-year program, approval of a Ph. D. program in the Medical Sciences, and recommendation for formal accreditation following a visit by the Joint Committee on Accreditation of the Association of American Medical Colleges and the Council on Medical Education of the American Medical Association. Developments will be considered under the following categories: Medical Students, Faculty, Curriculum, Research, Building Program, Professional and Hospital Relationships.

1. Medical Students

A second entering class of medical students was enrolled in the fall of 1965. Of these, 14 were from New Mexico, eight from the WICHE states and two non-regional. Twenty-four additional students were accepted for enrollment in the fall of 1966 with 20 of these from New Mexico and four from WICHE states.

11. Faculty

Faculty appointments in established departments and activities of the faculty and participation in projects at local, state and national levels are described in the departmental reports. Edward A. Mortimer, Jr., M.D. accepted appointment as Professor and Chairman of the Department of Pediatrics and assumed his responsibilities in July of 1966.

111. Curriculum

Following confirmation of the decision to increase the scope of the Medical School program to include the full four years and the M.D. degree, intensive consideration was given to the development of the curriculum for the third year and subsequent fourth year. An attempt was made to continue the principles evolved in the development of the program for the first two years. The same program labels were used, notably Medical Biology 111 as a continuation of Medical Biology 1 and 11, and Clinical Sciences 111 as a continuation of Clinical Sciences 1 and 11. Inasmuch as the preponderance of time in the third year program is spent in the hospital and involves clinical training, the Clinical Sciences portion of the program is greatly increased and the Medical Biology program is correspondingly decreased. The students will be assigned to each of the major clinical services on a rotating basis as follows: Medicine - 3 months, Surgery -2 months, Pediatrics - 2 months, Obstetrics-Gynecology - 2 months, Psychiatry -1 month. The students will participate in patient care under direct supervision with gradually increasing responsibilities.

An unusual feature of the third year is the organization of the Medical Biology program. This will consist of interdisciplinary seminars dealing with patient-centered problems. This is, in effect, a continuation of the Medical Biology program of the second year but with the primary focus on the problem of a specific patient, rather than on a categorical disease entity. In addition, a weekly seminar is planned in which the focus will be on the interface of medicine with broad social problems.

In the fourth year it is planned that the students will spend addi-

tional time in surgery and in the neurobiological sciences (neurology, neurosurgery). The remainder of the year will be elective with each student selecting the elements of his elective program from several sets of electives made available by the faculty. At least one such elective will be in a clinical area.

IV. Research

Research support from extramural sources, chiefly the National Institutes of Health, during the 1965-1966 year totaled \$448,094. Training grant support totaled \$129,463. A list of approved grants for the 1965-1966 year is attached.

V. Building Program

Construction of the Basic Medical Sciences building began in the fall of 1965. Completion of the building and occupancy is scheduled for the fall of 1967. It is expected that occupancy of this building will take place over a several month period and in view of this and the possibility of unanticipated delays in construction, it is not planned to increase the size of classes until 1968. Buildings 5 and 6, interim buildings for the second-year class and additional faculty, were completed in the fall of 1965. Building 7, the Psychiatric Teaching-Outpatient building, was occupied in January 1966.

A bond issue in the amount of \$2 million was voted for the expansion of the Bernalillo County Indian Hospital facilities in March 1966. It is expected that construction of this expansion will commence in 1967. An additional \$800,000 bond issue was voted for the development of an Albuquerque area Mental Health-Mental Retardation Center to be located on the Medical School campus north of Bernalillo County Indian Hospital.

VI. Professional and Hospital Relationships

The Liaison Committee of the New Mexico Medical Society has continued to meet regularly with members of the faculty and appears to assure continuing good communications between the School and the practicing medical profession. Largely because of this close relationship, it was possible to develop an application for planning funds for the New Mexico Regional Program for Heart Disease, Cancer and Stroke as well as a local area planning grant for the Albuquerque community.

THE UNIVERSITY OF NEW MEXICO
SCHOOL OF MEDICINE
1965-66

RESEARCH AND TRAINING GRANTS

NATIONAL INSTITUTES OF HEALTH GRANTS (Research)

Myocardial Metabolism via Shunt Pathways	Martin Brandfonbrener, M.D.	\$15,622
Active Transport and Cellular Metabolism	Agamemnon Despopoulos, M.D.	29,883
Respiratory Distress--Role of Lung & Blood Lipids	Theodore N. Finley, M.D.	30,960
Hypercholesterolemia and Experimental Tuberculosis	David Gale, Ph.D.	6,471
Study of Brain Proteins and Lipo-proteins	Francis N. LeBaron, Ph.D.	33,710
Thymocyte Transformation and Differentiation <u>In Vitro</u>	L. Louise Leonard, Ph.D.	12,289
Biosynthesis of Protein	Robert B. Loftfield, Ph.D.	34,788
Congestive Heart Failure in the Southwestern Indian	William S. Lovekin, M.D.	26,929
Enterovirus-Host Cell Interactions	Leroy C. McLaren, Ph.D.	21,084
<u>In Vitro</u> Study of the Physi- ology of the Amnion	Robert A. Munsick, M.D.	10,632
Fine Structure of Adipose Tissues	Leonard M. Napolitano, Ph.D.	31,518
Kidney in Cirrhosis; Sodium Excretion in Hypertension	Solomon Papper, M.D.	43,992
Brain Cerebrospinal Fluid Barrier	Michael Pollay, M.D.	16,450

NIH Research Grants (cont.)
1965-66

Page 2

Mechanisms of Electrolyte Transport in the Kidney	Sidney Solomon, Ph.D.	\$23,736
Biomechanical Alterations in Avascular Bone	James K. Weaver, M.D.	19,815

NATIONAL INSTITUTES OF HEALTH GRANTS (Training)

Undergraduate Training Grant: Clinical	Martin Brandfonbrener, M.D.	\$14,904
Neurology Training Grant	Arnold H. Greenhouse, M.D.	28,633
Mental Health Undergraduate Training Grant: Human Behavior	Lester M. Libo, Ph.D.	27,870
Graduate Training Program: Renal Physiology	Solomon Papper, M.D. and Sidney Solomon, Ph.D.	43,152
Mental Health Undergraduate Training Grant	Robert A. Senescu, M.D.	14,904

NATIONAL CANCER SOCIETY

Regression of Viral Induced Mesodermal Tumors	Robert S. Stone, M.D.	\$53,397
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NATIONAL SCIENCE FOUNDATION

Studies of the Fine Structure of Tissues Engaged in Synthesis and Transport during Develop- ment	A. J. Ladman, Ph.D.	\$52,200
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EASTER SEAL RESEARCH FOUNDATION

The Orthopedic Application of Cryotherapeutic Techniques	James K. Weaver, M.D.	10,000
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THE REPORT OF THE DEPARTMENT OF ANATOMY

July 1, 1965 to June 30, 1966

A.J. LADMAN, CHAIRMAN

I. General departmental information.A. Significant achievements during the academic year

The Department of Anatomy has had continued growth and development during the second year of its activity. In all aspects of departmental function, the experience obtained from working in close relationship with other members of the medical school in particular and the University faculty in general, has resulted in accomplishments which benefit the whole University Complex. For convenience, this report will be divided into several areas of activity.

(1) Administration. The increase of our academic activities has resulted in a concurrent rise in paper work. Newer regulations from Federal agencies in support of programs either in progress or planned for the future impose a larger amount of administrative time in an effort to comply with the intent of these regulations. In this regard, the information transfer, whether directly to Washington, D.C., or via appropriate University or Medical School offices, needs to be augmented. It is very difficult at times to assess the role towards which our department should be directed because of inadequate information particularly within the University setting. It is clear that more precise lines of communication need to be established, and these routes of information transmission should flow rapidly and effectively in all directions.

No increase in administrative staff has occurred this year. The need, however, for additional secretarial help is clearly indicated and will undoubtedly be augmented next year on a part-time or full-time basis.

(2) Teaching. The teaching of Anatomy in terms of its several sub-disciplines necessitated the use of in residence visiting professors this year because of our understaffed faculty. We were extremely fortunate to obtain the services of Dr. Donald Duncan, Professor and Chairman of the Department of Anatomy, University of Texas Medical Branch, Galveston, Texas, to become visiting professor of Anatomy in our department for the period September 23 to November 6, 1965. Dr. Duncan's principal contribution was to assume a leadership role in representing anatomy in the first presentation of our integrated approach to Neurobiology. In addition, his knowledge of personnel and events taking place in anatomical circles on the national scene has been offered freely to this department and to the school in general. His residence here has influenced the future direction which certain phases of our educational program will take and his scholarly accomplishments in teaching will be remembered by those privileged to be present.

Another visiting professor was employed to initiate a formalized exposition on aspects of early embryology. Dr. Meredith Runner, Director, Institute of Developmental Biology of the University of Colorado, Boulder, spent a week in residence in October of 1965. In addition, he presented a combined Medical School-Department of Biology seminar held in the Biology Building in support of our continuing effort to become better informed about the programs in Biology and to seek ways for closer cooperation.

In January 1966, Dr. Norma Jean Adamo joined our staff after having completed her Ph. D. degree in Anatomy from the University of Florida, Gainesville, Florida, in the fall of 1965. Her principal role in the department's orientation

is to represent the anatomical discipline in areas related to Neurobiology. Her specific participation in the teaching was initiated in April of 1966 at the time when the neurobiological portion of the first year was offered to the first year class as originally designed.

With the exception of our visiting professors and our new colleague Dr. Adamo, Dr. Leonard M. Napolitano, Associate Professor, and Dr. A. J. Ladman, the department chairman, handled all the teaching duties associated with the offerings of the Anatomy Department. The teaching commitment both this year and last year has been unusually heavy for these two men and it is hoped that their sacrifices of time in support of this School's new teaching venture will provide the rewards which dedicated teachers can expect.

The Ph. D. degree in medical sciences was approved by the University faculty in the spring of 1965. In support of this new degree program, initial course offerings from the various departments comprising the medical sciences were submitted and approved in early 1966, to become effective in the 1966-7 academic year. The Department of Anatomy has listed five courses, three of them with laboratory experiences. It is hoped that one or two of these courses will be able to be offered in the next academic year. For the laboratory courses involving the use of rather expensive equipment and reagents, there are no departmental funds available to underwrite these offerings to students matriculated in medical sciences, and indeed, such lack of support would make them unavailable for individuals enrolled in programs in Biology, Chemistry or Psychology (the most likely areas of student interest in our courses). Thus, some provision must be made to permit the minimal funding of graduate courses; one course in

fine structure-electron microscopy (611L) would need approximately \$35-\$50/hour of microscope time per student to be adequate for his training and the development of competence (this course will be given only to highly selected individuals whose needs for this information and laboratory experience directly relate to their immediate dissertation requirements).

Further improvements have been made in our histological and neurological teaching slide collections and these endeavors will continue until our materials can represent mostly human tissues and organs. The 1,150 borrowed slides from the University of Tennessee Medical Units will be returned to them this summer with appropriate acknowledgement. Our cadaver procurement is adequate by current demands and we are making an effort to improve the techniques of preservation so that better utilization of this human material can be obtained.

(3) Research. Continued progress in research has been made by members of this department during the year as noted in the appended bibliographic supplement. Dr. Ladman's grant from the National Science Foundation terminated June 30, 1966 after having been extended from the original termination date of December 31, 1965. Currently, a grant application to continue these studies is awaiting approval from N.I.H.

Dr. Napolitano received a grant from N.I.H. for four years to support his work on adipose tissue metabolism, the first year's award being \$31,518.

A neuroanatomical laboratory has been established by Dr. Adamo to produce sections of brains by the celloidin technique for research and teaching. Her efforts in the formation of this specialized laboratory will materially aid her own research program and has already provided a means of expediting the morphological controls for Dr. J. Rhodes in the Department of Psychology in a

collaborative effort. One can look forward to continued interactions and collaborations with individuals in the several departments whose interests impinge on these areas of research.

(4) Recruitment. As mentioned earlier, in the section under teaching, we elected to employ visiting professors to augment our teaching needs on an ad hoc basis pending the recruitment of sufficient staff. This device proved eminently successful because of the strength of the participants. Dr. Norma Jean Adamo joined our staff in January and we were successful in our negotiations with two post-doctoral fellows at the National Institutes of Health who will become members of this department on July 1, 1966. These individuals were much sought after by several medical schools and I feel that our program and youthful enthusiasm were positive forces in their decisions in our favor. Scott E. Dietert, M. D., comes to us from the Laboratory of Viral Carcinogenesis and T. John Leppi, Ph. D., from the Laboratory of Biophysical Histology. Thus the departmental strength will now be at five members including the chairman on July 1, 1966.

Because the available personnel in our field is extremely scarce, a portion of time will continue to be invested in close contact with the numerous leads already established to the academic marketplace. Our next important venture is the identification and recruitment of good graduate students into medical sciences. This phase of our development should become operational to coincide with the occupancy of the Basic Medical Sciences Building at the end of summer 1967.

(5) Planning. Much time this year has been spent on reorganizing the first year curriculum in the hope of further improvements in the redistribution

of time, since the decision to become a four-year school has been made. In this regard, closer correlation between the clinical sciences program and the subject area presentations is being accomplished. The general tenor of our further planning in curriculum is to make our presentations more meaningful and to begin to focus on graduate student training opportunities.

Renovations of Building 3 have provided enough space to house our new faculty members and create additional rooms for another electron microscope, darkroom, general histochemistry laboratory and neuroanatomical laboratory. These modifications should be able to maintain the departmental functions until occupancy of the new Basic Medical Sciences building.

B. Significant plans and recommendations for the near future.

Some of the recommendations presented last year have been implemented and there appears to be little to add at this time. Specific problems can be anticipated in terms of budget to underwrite planned collaborative teaching programs with clinical departments and to offer laboratory opportunities to non-medical science graduate students.

The tightness of money from granting agencies in Washington, D.C. will determine the extent of our continued progress in the areas of research.

C. Appointments to Staff.

Norma Jean Adamo, Ph. D. Instructor in Anatomy.

D. Separations from Staff.

None.

II. Composite of information requested on individual bibliographic supplements

1. Advanced study. None.
2. Sabbaticals, leaves of absence etc. None.
3. New scholastic honors etc. Dr. A. J. Ladman was elected to Fellowship of the American Association for the Advancement of Science.
4. Publications. Publications of members of the Department of Anatomy are:-
 - (a) Experimental and clinical evaluation of reticulo-endothelial function by means of a specific lipid emulsion. In "The Reticuloendothelial System, Morphology, Immunology and Regulation" pp.389-404, Missha Printing Co., Kyoto, Japan, 1965.
 - (b) Electron microscopic observations of pulmonary surfactant and the cells which produce it. Anat. Rec. 154: 372, 1966.
 - (c) Excretory metabolism of mersalyl Hg_2O_3 by liver and kidney. Fed. Proc. 25: 575, 1966.
 - (d) Fluorometric assay for catecholamines in heart cultured cells. Fed. Proc. 25: 383 (Abstract), 1966.
 - (e) Release of FFA from brown and white fat. Metabolism 14: 1076-1083, 1965.
 - (f) Observations on the fine structure of adipose cells. Annals N.Y. Acad. Sci. 131: 34-42, 1965.
 - (g) Electrical stimulation of the avian forebrain in chicken, raven and African lovebird. Anat. Rec. 154: 307 (Abstract), 1966.
5. Other research projects. Dr. Napolitano is continuing his studies on the structure of the heart and the structure and function of adipose tissues.

Dr. Adamo has completed some studies on bird behavior as correlated with brain development and is continuing these studies with chickens before and after selective brain lesions.

Dr. Ladman is continuing to work on problems of lung, liver and retina as outlined last year.

6. Activities in learned and professional societies. Dr. Napolitano attended the annual meetings of the American Society of Cell Biology in November 1965 at Philadelphia and the American Association of Anatomists in April 1966 at San Francisco. At both meetings he was very active in our recruitment efforts.

Dr. Adamo also attended the Anatomists' meeting and presented a paper before that group.

Dr. Ladman attended the meetings of the American Society of Cell Biology and the American Association of Anatomists, and presented a paper to the latter group.

7. Other professional activities. Dr. Napolitano was a guest speaker before the New Mexico Memorial Society in October 1965 on the topic of the willing of bodies to the School of Medicine.

Dr. Ladman remains a member of the Board of Directors of the Rehabilitation Center, Inc., of Albuquerque.

He presented a talk to three high school classes on the functional elements of cell structure under the Visiting Scientist Program of the New Mexico Academy of Science.

8. Non-teaching service. Dr. Napolitano is Chairman of the Academic Standing Committee and a member of the Committee on Graduate Studies. He also served on the University Athletic Council as a temporary replacement.

Dr. Ladman serves on the Joint Advisory Committee of the Library of Medical Sciences and is a member of the Continuing Review Committee, the First Year Curriculum Planning Committee and the Executive Committee.

The Report of the Department of Biochemistry
 School of Medicine
 July 1, 1965 -- June 30, 1966
 Robert B. Loftfield, Ph.D., Chairman

I. General Departmental Information

A. The first year curriculum in which biochemistry plays one of the major roles was modified extensively after the experience of the first year, although the basic theme was constant. The presentation of gross anatomy was advanced from January to September with a somewhat slower introduction of chemical and biochemical aspects of human biology. This resulted in an improved correlation between structure and function as the students progressed towards the study of intact living cells along about December. As a result of improved organization and evaluation of material the neurobiology section, which had been given in the second year originally, was accommodated in the last month of the first year program making the first year a truly comprehensive "Human Biology" course. There were also substantial modifications in the quiz system which provided a much quicker feed-back alerting both students and faculty to areas that had been inadequately presented or learned.

Research activities of the faculty in Biochemistry have been resumed and facilities have been improved by the approximate doubling of laboratory space. Each of the permanent staff is the recipient of a substantial grant from The National Institutes of Health.

B. There will be, in cooperation with the other departments involved, further minor modifications of the curriculum. We want also to improve our methods of evaluating student progress and of communicating this information to the student in time to adjust his study methods if necessary.

Three courses will be offered at the graduate level during 1966-67.

Medical Sciences 622 - BIOCHEMISTRY OF PHOSPHOLIPIDS,
 Instructor, Dr. LeBaron - Fall term 1966

Medical Sciences 623 - BIOCHEMISTRY OF STEROIDS,
 Instructor, Dr. Scallen - Fall term 1966

Medical Sciences 621 - BIOCHEMISTRY OF PROTEINS,
 Instructor, Dr. Loftfield - Spring term 1967

C. Appointments to staff -

Dr. T.J. Scallen, Assistant Professor
 Effective date - September 1, 1965.

Dr. Fu-Li Yu, Instructor
 Effective date - November 1, 1965

Dr. Leslie F. Smith, Research Associate Professor
 Effective date - November 15, 1965.

D. Separations

None

II. Composite of Information Requested on Individual Biographical Supplements.

1. Advanced study of three months at study in physiology at Woods Hall, June 1 to September 1, 1966.

2. Sabbaticals

None

3. New scholastic honors, fellowships, etc.

None

4. Publications

None

5. Other research projects, etc. Research on the Mechanism and Specificity of Protein Biosynthesis, sponsored by the United States Public Health Service under Grant No. CA 08-000-02 with support committed until 1971. \$74,000 per year for the first year, average of \$40,000 per year for the remaining six years.

6. Participation in the Federated Societies Meetings, April, 1966.

7. Other professional activities: Member of the United States Public Health Service, Study Section on Biochemistry and member of the American Cancer Society Panel on Therapeutics and Carcinogenesis; Consultant Biochemist, Veterans Administration Hospital, Albuquerque.

8. Non-teaching University service: Chairman of the Biochemistry Department, University of New Mexico Medical School. Member of the Executive Committee of the Medical School.

9. Public service: Member of St. Pauls Lutheran Church, Albuquerque; Member of the New Mexico Mountain Club; Lecturer in New Mexico High School Visiting Scientist Program.

The Report of the Department of Medicine
July 1, 1965 - June 30, 1966
Solomon Papper, M.D., Chairman

1. General Departmental Information.

A. "Achievements" during the academic year 1965-66.

1. Student Teaching. The Department of Medicine is engaged in both the Clinical Science program and the "core" program of the first and second year students. Six students will be working in the Department of Medicine during the Summer of 1966. In addition, this year we have had students on electives from the University of Florida, Hahnemann Medical College, University of California, Woman's Medical College of Pennsylvania, Northwestern University, and the University of Washington.

2. Internship in Medicine. We have now received approval for four straight medical interns, effective July 1, 1966, constituting an increment from two. On the Matching Plan we filled all four of these positions with very high caliber young doctors from the University of Tennessee, University of Colorado, Temple University, and the University of Kansas. The two interns this year were from Duke and Georgetown and they performed extremely well. They are both being drafted by the Armed Forces July 1, 1966.

3. Residency in Medicine. The residency program this past year consisted of 18 residents, and beginning July 1, 1966, there will be 20 residents. The number would have been larger except for the doctor draft which took a number of our very fine men. In any case, we look forward to a high caliber program next year, and the year 1965-66 has been most satisfactory and the best one to date.

4. Hospital Relationships.

a) The Bernalillo County-Indian Hospital continues to be interested in close relations with the Medical School and is making a concerted effort to become an institution of excellent patient care and teaching. The arrival of Mr. James LaCombe as Administrator has to date pleased the Department of Medicine and may well result in improved administrative organization. The physical plant remains too small but at least we can look forward to positive development now that the bond issue has passed.

b) Our relations with the Albuquerque Veterans Administration Hospital are now at a positive level and we have been able to recruit very fine people who have been based at the V. A. Hospital and who participate very actively in the School program. This present academic year we have added Doctor William R. Hardy, Assistant Professor of Medicine, who has made an outstanding contribution to our total program, and Doctor John K. Leach, Assistant Professor of Medicine. Beginning July 1, 1966, Doctor Robert Whang will be moving his base of operation to the V. A. Hospital, and Doctor Darwin L. Palmer, who has been attracted from the University of Colorado, will also be based at the V. A. Hospital as an Instructor in Medicine. In September, Doctor William G. B. Graham will be joining our faculty as Assistant Professor of Medicine and will be based at the V. A. Hospital.

5. Research. The Department of Medicine published 24 (10 abstracts) papers in scientific publications.

6. Research and Training Grants. The following additional grants were awarded;

- a) Alexander L. Kisch, M.D. - Cocarcinogenic Effects of DMSO and Its Analogs - \$45,529 for the first year, beginning April 1, 1966.
- b) Arnold H. Greenhouse, M.D. - Project Grant: Regional Seizure Control Unit - New Mexico and adjoining areas - \$72,000 for five years, beginning July 1, 1966.

The total annual research and training grant budget from extramural sources in the Department of Medicine is \$227,116.

7. Visiting Professors.

a) In association with the NIH training program in renal disease and renal physiology, Doctor Neal S. Bricker, Professor of Medicine at Washington University School of Medicine at St. Louis, visited this institution March 3 through March 5 and participated in the second year student teaching programs as well as the house staff and post graduate programs.

b) During the week February 7 through February 11, we were privileged to have as Visiting Professor of Medicine, Doctor Carl V. Moore, Busch Professor and Head of the Department of Medicine at Washington University School of Medicine at St. Louis. Doctor Moore participated actively in our teaching programs in the School and Hospital.

B. Plans and Recommendations for the Future.

1. Plans. Improvement of the curriculum for the first and second year students and the preparation of the third year curriculum are now proceeding. It is also important to continue to develop post graduate programs in Medicine and, once again, this Department

wishes to emphasize its important role in teaching and research. The philosophy of the Department has been summarized in an address given by the Chairman to the Regional Meeting of the College of Physicians at Santa Fe in December 1965. A copy of this address is enclosed with this report.

2. Recommendations. Our recommendations involve additional personnel and office and laboratory space for the Department. These recommendations have been transmitted to the Dean.

The Dean has committed all of Building #5 and the previously designated space in Building #1 for research laboratory space, available when Building #1 is occupied (projected date, September 1967). Although this will leave us crowded, it can suffice for several years. Office space for September 1967 constitutes a problem of considerable magnitude in the opinion of this Chairman. Although we have a commitment for adequate total space, there is the possibility that we shall be divided or perhaps not in the hospital at all. I continue to feel very strongly that the Department of Medicine should have its office space together and that it should be in the hospital. I also believe that enclosing the remainder of the fifth floor in one way or another with small modification in the present area would be the best arrangement. If we are moved out of the hospital entirely, I would regard this as a most unfortunate eventuality that might interdict the maintenance and development of a good department. Similarly, if the rest of the fifth floor is utilized for activities other than Medicine, I believe the effectiveness of the Department might

be jeopardized too deeply. The Dean is aware of these considerations and has stated his concurrence.

C. Appointments to the Staff.

New appointments during the year 1965-66 were:

Joseph Bicknell, M.D., Assistant Professor of Medicine
William R. Hardy, M.D., Assistant Professor of Medicine
Alexander L. Kisch, M.D., Assistant Professor of Medicine
John K. Leach, M.D., Assistant Professor of Medicine

New appointments to the Clinical Associate Faculty included:

Neil M. Goldberg, M.D.
Donald D. Harville, M.D.
U. G. Hodgins, Jr., M.D.
Daniel N. Levson, M.D.
Michael J. Perley, M.D.
Julius L. Wilson, M.D.

The Clinical Associate Faculty functioned extremely well and all appointments have been recommended for renewal.

D. There were no separations from the staff.

E. Special National Acknowledgement During the Year.

Several members of the Department received significant national recognition, and although these appear in individual biographical records, we should like to mention them specifically.

1. Doctor Ernest R. Simon, Assistant Professor of Medicine, was elected Secretary-Treasurer of the American Federation for Clinical Research, Western Section, and was also appointed to the Hematology Study Section of the National Institutes of Health.

2. Doctor Theodore N. Finley, Associate Professor of Medicine, was elected to the American Society for Clinical Investigation.

3. Doctor Martin Brandfonbrener, Associate Professor of Medicine, was appointed to the Editorial Board of the Journal of Chronic Disease.

4. Doctor Solomon Papper, Professor and Chairman, was appointed Councillor for the Western Society for Clinical Research; was elected to the Association of American Physicians; and was appointed a Member of the American Board of Internal Medicine.

The Report of the Department of Obstetrics and Gynecology
July 1, 1965 - June 30, 1966
Robert A. Munsick, Chairman

The Department is still embryonal but has been active in teaching first and second year medical students relevant areas of their courses in anatomy, physiology, pharmacology and pathology.

In collaboration with the Department of Pathology a major grant has been obtained which next year will permit extension of cervical cancer screening to a much larger population in the general area than has heretofore been possible. In May, the Barelas Community Center, created by The Office of Economic Opportunity and financed medically by the State Public Health Department, will begin receiving prenatal patients. Medical staff for this clinic will be provided by this Department. In conjunction with the above plans to improve preventive obstetrics and gynecology in Bernalillo County, we are also attempting to have nurse midwives included in these programs. We are also endeavoring to increase our contacts and potentialities with the Indian populations of New Mexico.

Dr.'s Benjamin N. Branch and Frederick Cohn have been appointed Adjunct Instructors in the Department as of January 1, 1966, and are contributing significantly to our teaching and service commitments. Dr. Robert P. George will re-join our clinical staff on July 1, 1966.

-2-

Weekly conferences have been held since December, 1965 with frequent lectures by non-Departmental members. Professor Robert J. Kellar, Professor and Chairman of the Department of Obstetrics and Gynecology at the University of Edinburgh, Scotland, was our visiting professor this year. He participated in a symposium sponsored by the Department on Obstetric and Gynecologic Endocrinology.

The Report of the Department of Microbiology
School of Medicine
July 1, 1965 - June 30, 1966
Leroy C. McLaren, Chairman

I. A. Significant Achievements during the Academic Year 1965-6

One of the most important goals for this year was the recruitment of an immunologist who would take the responsibility for the presentation of Immunology to medical students and for the development of a graduate student program in this area. A number of young prospects were invited to visit the department, and it was decided by the members of the department that the job should be offered to Dr. Seikichi Tokuda, Assistant Professor of Medical Microbiology, University of Vermont Medical School. Dr. Tokuda accepted the position of Assistant Professor of Microbiology on February 7, 1966 and will start employment on July 1, 1966.

Dr. Kenneth Munkres, research associate at Stanford University, was invited to visit the department as a potential candidate for the fourth position on the departmental faculty. Dr. Munkres is an outstanding young microbial geneticist and was offered the position of Assistant Professor of Microbiology. After a number of months of deliberation, Dr. Munkres declined the offer and accepted a position with the Biology Group at the Los Alamos Scientific Laboratory.

Dr. David Gale, Microbiologist at the Albuquerque Veterans Administration Hospital accepted the position of Assistant Professor of Microbiology starting July 1, 1965. Dr. Gale who has a full-time position at the Veterans Administration Hospital received no salary. He participated actively in

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teaching and by attending seminars.

About the first of November the department moved out of the building at 900 and 930 Stanford, N.E. and into newly constructed temporary quarters at 1001 Stanford, N.E. This building provided facilities for the second-year medical student laboratory and research and office space for the department.

Funds for research were available for the year in the amount of \$38,070 for studies on enterovirus-host cell interactions (AI 06450-02). This grant supported the research activities of Drs. Cords and McLaren and a collaborative research project of Drs. Scaletti and McLaren. On July 1st the department accepted the administration of Dr. Gale's research grant (AI 05154-02) which supported his research on Hypercholesterolemia and Experimental Tuberculosis.

The department participated in the course in Medical Biology 500-501 for first year medical students by taking responsibility for the presentation of approximately 75 hours instruction in Microbiology and Genetics. Dr. Scaletti had the primary responsibility for these subjects with participation by Drs. Cords and McLaren.

Active departmental participation was involved in the course for second year medical students, Medical Biology 526-527. This was the first year that this course had been offered. Approximately 200 hours of instruction were offered by the department in the areas of Immunology, Medical Bacteriology, Virology, Medical Mycology, Parasitology, Genetics and antibiotics. Presentation of Parasitology was aided by the participation of Dr. Donald Baker, Parasitologist at the United States Department of Agriculture Experimental Station in Albuquerque and Dr. Gary Long, Resident in Pathology at the Bernalillo County-Indian Hospital.

The department collaborated with the Department of Biochemistry in the organization of a joint seminar program with the Biology Group at the Los Alamos Scientific Laboratory. These seminars were well attended by the faculty, the scientific staff of the Los Alamos Scientific Laboratory and by

visiting microbiologists from the State Health Laboratory, University of Albuquerque and the Lovelace Foundation.

During the year there was continued planning on the development of graduate level courses in Microbiology as part of the Ph.D. program in Medical Sciences. The following courses were approved by the university administration:

<u>Course No.</u>	<u>Course Title</u>	<u>Instructor</u>	<u>Tentative date of first offering</u>
Medical Biology 631L	Introduction to Research Techniques in Microbiology	Departmental staff	Fall- 1966
Medical Biology 632	Advanced Microbiology	Scaletti	Spring- 1968
Medical Biology 633L	Adv. Microbial Physiology and Metabolism	Scaletti	Spring- 1969
Medical Biology 635L	Adv. Immunology	Tokuda	Fall- 1968
Medical Biology 636	Adv. Virology	McLaren	Spring- 1967
Medical Biology 637L	Adv. Virology Laboratory	McLaren	Spring- 1968
Microbiology 638	Microbiology Seminar	Departmental staff	Fall- 1967

Members of the department attended the National meeting of the American Society for Microbiology in Los Angeles- where Dr. Scaletti presented a scientific paper. In addition, the department took the responsibility for having the A.S.M. Council approve a petition for the formation of a new branch of the national society, to be designated the "New Mexico Branch of the American Society for Microbiology."

List of Publications of the Departmental Staff
for the Academic Year 1965 - 1966

1. Grimes, J.P., Nelson, T.E., Kirkwood, S. and Scaletti, J.V., 1966
Action of Exo-B-D-(1-3)-glucanase on yeast cell wall glucan and chemically extracted glucan, Bact. Proc. p. 84

2. Punch, J.D., Olson, J.C. and Scaletti, J.V., 1965,
Amino acids as carbon, energy and nitrogen sources for growth and
slime formation by Alcaligenes viscolactis, J. Bacter. 89:1520-1525
3. Johnson, T.C. and McLaren, L.C., 1965
Plaque development and interferon synthesis, by RMC Poliovirus,
J. Bacter. 90:565-570

I. B. Plans and Recommendations for the Near Future

The department will need for the next few years additional finances for increasing research activities and for implementation of a graduate program. Dr. Tokuda will transfer from the University of Vermont Medical School a research grant (CA-08074-03), \$23,455 less indirect costs for continuation of his research on the immunological enhancement of Sarcoma I tumor cells. He also plans to apply for an additional research grant early in 1966. Drs. McLaren and Scaletti plan to submit an application for a research grant to the American Cancer Society for a possible starting date of March 1, 1967.

The application for a departmental training grant submitted to the National Institute of General Medical Sciences in September, 1965 was not approved. Reasons for disapproval were related to the lack of N.I.H. funds which made it necessary for the Institute not to support new programs that were not already underway. The Program Administrator at N.I.H. advised that we not apply for support until we had a larger faculty, enrolled graduate students and an active graduate program ^{already} in operation. Lack of financial support for initiation of a graduate program will undoubtedly retard the rate of development of this aspect of the department's progress. It is anticipated that another application will be submitted for support for 1967-1968.

The department will take responsibility during the coming year for the organization of the New Mexico Branch of the American Society for Microbiology. This organization should stimulate interest among microbiologists in the state by having two meetings a year where scientific papers can be presented and by being able to invite an outstanding microbiologist as speaker to one of the meetings each year.

I.C. Appointments to the Staff

The following appointments were made to the departmental staff:

<u>Name</u>	<u>Title</u>	<u>Effective Date</u>
Mrs. Dorris Rose	Secretary	August 31, 1965
David Gale	Assistant Professor	July 1, 1965
Seikichi Tokuda	Assistant Professor	July 1, 1966
Howard James Clifford	Laboratory technician	September 7, 1965
Mrs. Margaret LeBaron	Laboratory technician	February 14, 1966
Charles G. James	Research Associate	July 15, 1965

✓
✓
✓
✓
✓
✓

- ✓ 1 Status changed from 5/8 time to full-time on this date
- ✓ 2 Salary paid by V.A. Hospital
- ✓ 3 One-half time
- ✓ 4 Salary paid from research grant

I.D. Separations from the Staff

The following separations occurred:

<u>Name</u>	<u>Title</u>	<u>Separation date</u>
Howard James Clifford	Laboratory technician	January 31, 1966
Mrs. Julia McKinnin	Stenographer-clerk	June 25, 1965
Miss Judy Thompson	Laboratory assistant	September 15, 1965
Richard Barnett	Senior Laboratory Technologist	August 31, 1965

The Report of the Department of Physiology
July 1, 1965 to June 30, 1966
Sidney Solomon, Chairman

I. A. The major significant achievement has been the implementation of our first graduate course. In addition, we have obtained approval of an additional four courses to be implemented during the coming year. As a preliminary to implementing these courses, non-credit seminars have been held with members of the medical staff wherein we have had a preliminary coverage of some of the graduate course material.

With respect to our professional school teaching (Human Biology Program), we have reduced our student lab and lecture time by about fifty hours. It is our opinion that the students did not suffer because of this reduction. Students did suffer because of curriculum crowding, however.

Of great importance to this school has been the training of competent staff in the animal care and laboratory assistant areas. If the people we now have remain at The University of New Mexico, the teaching program of this department will have a very firm staff support.

This department has increased its contributions in other teaching programs, specifically in residency programs at BC-IH, in biology and in biophysics.

B. Major emphasis in the coming year will continue to be on development of graduate program. Two more graduate students will become affiliated with this department in July and September.

With respect to the medical school program, the implementation of the four year program should allow for some of the material presented by this department to be moved into the third and fourth years. Such

shifts should materially reduce the pressures on the first year medical students. This department feels that it cannot teach effectively with the lack of free time at the students disposal. It recommends very strongly that the curriculum time be expanded without any increase in the amount of material covered.

C. No appointments.

D. No separations.

II.A. No advanced study.

B. Dr. Donald Frazier spent June and July as a research associate at the University of Kentucky. Dr. Harald Sonnenberg was at the University of Louisville from July 15 to August 15 completing a project in collaboration with Dr. Gaspar Carrasquer.

C. Dr. Donald Frazier has been awarded a three-year grant for support of research by NIH beginning in June, 1966. He was also awarded a travel grant to the XXIII International Congress of Physiological Sciences which he declined. This year he was elected to membership in the American Physiological Society.

D. Publications.

1. Full length papers:

- a) "Congruence of excretory functions in liver and kidney: hippurates" by A. Despopoulos. Am. J. Physiol. 210: 760, 1966.
- b) "Hypothalamic unit response to increases in arterial blood pressure" by D.T. Frazier, C. Taquini, L.L. Boyarsky and M.F. Wilson. Proc. Soc. Expt'l. Biol. Med. 120: 450-454, 1965.
- c) "Analysis of electrolyte movement in thin Henle's loops of hamster papilla" by D. Marsh and S. Solomon. Amer. J. Physiol. 203: 1119-1128, 1965.
- d) "Urinary alkalization induced by choline" by S. Solomon. Arch. Int. de Physiol. et de Biochim. 74: 73-88, 1966.
- e) "Proximal tubular reabsorption of some organic acids in the rat kidney in vivo" by H. Sonnenberg, H. Oelert and K. Baumann. Pflüg Arch. 286: 171-180, 1965.

2. Abstracts:

- a) "Congruence of excretory functions in liver and kidney: sulfonamides" by A. Despopoulos and H. Sonnenberg. The Physiologist 8: 1965.
- b) "Excretory metabolism of mersalyl Hg²⁰³ by liver and kidney" by Verney L. Sallee, A.J. Ladman and A. Despopoulos. Fed. Proc. 25: 575, 1966.
- c) "Movement of solute and water into and out of the central canal of cat spinal cord" by D. Frazier, H. Sonnenberg and S. Solomon. Proc. XXIII Int. Cong. Physiol. Sci.
- d) "Renal tubular impermeability to urea in rats" by G. Carrasquer, S. Solomon and H. Sonnenberg. The Physiologist 8: 128, 1965.

E. 1. Completed projects of this period not given in Abstracts listed in D 2:

- a) D. Frazier: Cholinergic properties of the relay junctions of the primary afferent pathway.
- b) S. Solomon and J.C. Vanatta: Implications of phospholipids in rat proximal tubule reabsorption.
- c) H. Sonnenberg: Inulin loss from rat proximal tubule.
- d) H. Sonnenberg: Glucose and sodium movement in rat proximal tubule.

2. Projects in progress:

- a) D. Frazier and H. Sonnenberg: Effect of hemicholinium on electrical activity and transport of frog nerve, frog skin and rat proximal tubules.
- b) S. Solomon and H. Sonnenberg: Regulation of proximal tubular reabsorption of sodium.
- c) S. Solomon: A microtitrimetric method for acidity in urine and blood samples.
- d) D. Frazier and A.J. Ladman: Effect of excitation and hemicholinium of synaptic vesicles.
- e) A. Despopoulos: 1) Influence of steroids on hepatic excretion of dyes. 2) Excretion of food coloring by the liver. 3) Bilirubin excretion by the liver.

F. Activities in Learned and Professional Societies:

<u>Meeting</u>	<u>Attended by</u>	<u>Paper Read</u>
Fall Physiological Soc.	A. Despopoulos	Yes
XXIII Int. Cong. Physiol. Sci.	S. Solomon	Yes
Fed. Soc. Expt'l Biol.	A. Despopoulos	Yes
	D. Frazier	No
	H. Sonnenberg	No
Biophysical Soc.	S. Solomon	No

G. Other Professional Activities:

1. A. Despopoulos: a) Talk to Phi Sigma, Honorary Biology Society, March 25, 1966. b) Attended two meetings of Physiology Fellowship Study Section of NIH in Washington, D.C. c) Attended MEND Symposium on "Life Beneath the Sea" in Groton, Connecticut, May, 1966.
2. D. Frazier: a) Attended Symposium, Apollo Applications Program, Sponsored by AIBS-NASA, Washington, D.C., November 22, 23, 1965. b) Visiting Professor, Physiology, West Virginia University School of Medicine, July 8-10, 1965.
3. S. Solomon: a) Attended Symposium on Sodium Handling by the Kidney, University of North Carolina, Chapel Hill, October 1965. b) Attended three meetings of NSF Panel on Regulatory Biology in Washington, D.C. c) Gave lecture at Clovis High School through New Mexico Visiting Scientist Program, May 3, 1966. d) Gave lecture at Robertson High School, Las Vegas, through New Mexico Visiting Scientist Program, May 9, 1966. e) Gave two talks to Albuquerque dog owners on National Dog Registry.

H. Non-teaching University Service:

1. A. Despopoulos: Cultural Affairs Committee.
2. D. Frazier: Athletic Committee.
3. S. Solomon: a) Policy and Radiological Control Committees of University. b) Graduate, Admissions and Executive Committees of Medical School. c) Responsible for animal care and dog and cat procurement. d) Advisor to Dean for instrumentation services in Medical School.

I. Public Service:

- D. Frazier: Albuquerque Council, Campfire Girls.

THE REPORT OF THE DEPARTMENT OF SURGERY

July 1, 1965 - June 30, 1966

James S. Clarke, Chairman

I. General departmental information.

A. Significant achievements during the academic year.

As of June 1966, there were five full time academic members of the Department of Surgery and two Adjunct Assistant Professors. In addition there were sixty-nine physicians in the Albuquerque area who held appointments as Clinical Associates in Surgery. The appointment of these Clinical Associates represents a recognition of the active participation of surgeons in the community in our teaching programs at the undergraduate and graduate level. The appointment of two orthopedists from the staff of the Carrie Tingley Hospital at Truth or Consequences, New Mexico formalizes a valuable affiliation for our Division of Orthopedics with that hospital, and we plan to place residents in orthopedics at Carrie Tingley from time to time as well as having frequent visits by these orthopedists to the School of Medicine.

Individual members of the Department of Surgery have participated in the teaching of first and second year medical students during the past academic year. In particular Doctor Michael Pollay has participated in the teaching of neurobiology, Doctor Weaver has participated in teaching concerning trauma, and Doctor Clarke has participated in the section on gastrointestinal diseases. In addition our entire staff has taken part in the teaching of Clinical Science to both first and second year medical students.

Much of the staff's time is involved in the care of patients and teaching of interns and residents at the Bernalillo County-Indian Hospital and the Albuquerque Veterans Administration Hospital. The residency in General Surgery now has twelve residents in training and two completed their training as of June 30th, 1966, becoming eligible for examination by the American Board of Surgery at that time. In addition the Division of Orthopedics under the direction of Doctor James Weaver has received probationary approval for a residency training program in orthopedics, utilizing the Bernalillo County-Indian Hospital, the Albuquerque Veterans Administration Hospital, and the Carrie Tingley Hospital. Residents will begin training in the field of orthopedics beginning July 1st, 1966 and the program should receive full approval upon review several years hence.

Teaching functions of the Department of Surgery have enlisted active participation by surgeons in private practice in the Albuquerque area. Many of them attend the regular weekly meetings of the Department, particularly in the areas of general and thoracic surgery, orthopedics, and neurosurgery. In addition Doctor Weaver has presented a series of lectures on Anatomy for Lawyers in conjunction with the School of Law. During the past year Doctor Pollay and Doctor Weaver have made numerous trips to the Indian hospitals run by the Public Health Service, and are performing a teaching function there. At the state level members of the Department have participated in meetings of the New Mexico-El Paso Chapter of the American College of Surgeons and the New Mexico State Medical Society.

Research activities of the Department of Surgery have included both clinical and laboratory activities. Utilizing the research facilities at the Veterans Administration Hospital and later in Building 5 on the University of New Mexico campus, Doctor Pollay and Doctor Weaver have initiated research programs in neurosurgery and orthopedics. Five medical students participated in research activities in the Department of Surgery during the summer of 1965 and again in 1966. In addition one medical student had a Clinical Preceptorship in Anesthesiology at the Bernalillo County-Indian Hospital beginning in June of 1966.

Under the direction of Doctor Randall Blakeley a modest beginning has been made in the laboratories at the Veterans Administration Hospital toward developing a capability in open heart surgery. Utilizing an allocation of \$5,000 from Dean Fitz, the basic equipment has been assembled for cardiac by-pass and dogs have been successfully operated upon utilizing extra-corporeal circulation. With the arrival of Doctor Theodore Cooper as Chairman of the Department of Pharmacology, we anticipate an increased use of this tool for laboratory research and eventually for application to patients with cardiac disease requiring open heart surgery.

B. Significant plans and recommendations for the near future.

We plan a gradual enlargement of the full time staff of the Department of Surgery during the next several years, and particularly need an experienced cardiac surgeon as a member of the full time staff. In addition we plan to recruit a second

general surgeon to be based at the Bernalillo County-Indian Hospital and another to fill a vacancy which exists at the Albuquerque VA Hospital. It is felt that the clinical facilities at the Bernalillo County-Indian Hospital are not sufficient to justify the development of a full time staff in the fields of ophthalmology and otolaryngology at the present time. It is planned to have visits from several consultants who are prominent in the fields of anesthesiology to secure advice concerning the optimal manner in which to develop the staffing of this specialty.

Plans are under way for better office space for members of the Department of Surgery, since there is not adequate room in the Bernalillo County-Indian Hospital. The major portion of the faculty will be housed in temporary buildings near the hospital, although the Departmental Office will probably remain in the hospital on the surgical floor.

In the immediate future we look forward to the arrival of a full time Chief of Neurosurgery at the Albuquerque Veterans Administration Hospital, a full time Chief of Orthopedics at the Albuquerque Veterans Administration Hospital, and a full time Chief of Urology to be based at the Bernalillo County-Indian Hospital. Following the arrival of Doctor Ian Knight as Head of the Division of Urology, which is anticipated for early September of 1966, we will be in a position to recruit a full time Chief of the Division of Urology at the VA Hospital. In addition we are actively recruiting for a third man in the Division of Orthopedics who will work at both hospitals. If

these positions are filled by qualified people we will have an adequate and strong staff in the fields of general surgery, thoracic surgery, orthopedics, neurosurgery, and urology. The full development of the staff in the fields of anesthesiology, ophthalmology and otolaryngology remains for the future.

Doctor Michael Pollay, Chief of the Division of Neurosurgery, is now officed with the Division of Neurology of the Department of Medicine. There is close cooperation between Neurology and Neurosurgery at both the Bernalillo County-Indian Hospital and the Albuquerque Veterans Administration Hospital. We hope in the near future that they will share a common ward at the VA Hospital, and feel that this close inter-departmental cooperation has already brought many benefits.

The completion of the Basic Science Building at the School of Medicine is looked forward to with great expectation. It will provide laboratory space for members of the Department of Surgery which is close to the Bernalillo County-Indian Hospital. The ideal arrangement of having departmental offices, patient care areas, and research laboratories all in close physical approximation, and preferably all in one building, is not possible here at the present time, but the completion of the Basic Science Building will improve the situation greatly. It is our plan to have residents in surgery spend a portion of their training period in research either within the Department of Surgery or in other Departments. This is beginning for one resident in the coming year.

In summary the Department of Surgery has grown over the past three years in a satisfactory manner to meet the requirements of

patient care and the oncoming medical students. Additional staff is needed in a few critical areas and to allow adequate time for research in addition to duties in the teaching and patient care areas. The prospects for assembling such a faculty for the Department of Surgery at the two integrated teaching hospitals are good.

C. Appointments to staff.

William Randall Blakeley, M.D., Instructor in Surgery,
effective August 1st, 1965.

Douglas McKay, M.D., Adjunct Assistant Professor of Surgery,
Division of Orthopedics, effective January 12th, 1966.

Donald Clark MacPhail, M.D., Adjunct Assistant Professor
of Surgery (Orthopedics), effective May 5th, 1966.

The following appointments as Clinical Associates in Surgery
have been made effective July 1st, 1965.

Anesthesiology Division:

Berman, Merle M.
Birch, John Harvey
Broderick, Thomas E.
Clarke, Maxine T.
Knoll, William
Musgrave, Homer S.
Muxworthy, John Frederick
Streib, G. Royden
Talley, A. W.
Taylor, Cyril

General Surgery Division:

Burruss, J. Hunt
Castillo, R. Robert
Clevenger, Marshall L.
Cornish, P. G., III.
Floyd, Vaun T.
Follingstad, A. H.
Gerety, E. J.
Hesse, Frank G.
Lerman, Bernard
Lovelace, W. Randolph

McCarthy, Jack D.
Nissen, Wallace E.
Parsons, Livingston, Jr.
Simms, Albert G., II.
Spensley, Robert D.
Whitcomb, John G.

Neurosurgery Division:

Gay, James Rowland
Klebanoff, M. Robert
Martinez, Phillip U.
Miller, Leroy J.
Mora, Federico

Ophthalmology Division:

Edward, William O.
Klein, Irving
Rubin, Gerald S.
Tenney, Alonzo C.
Wood, Everet H.

Oral Surgery Division:

Hanratty, William J.
Navarre, Harry

Orthopedic Surgery Division:

Boyd, John Franklin
Bronitsky, Jacob
Coffey, H. Franklin
Conklin, Coursen B.
Feagler, Steven H.
Forbis, R. E.
Hurley, Lloyd A.
Jordan, Irvine G.
Moon, Norman F.
Overton, Lewis M.
Parnall, Edward
Rosenbaum, Myron G.
Scialla, Michael M.
Szerlip, Eugene P.

Otolaryngology Division:

Lehmann, James J.
Roberts, John B.
Sadock, Theodore B.
Sands, Clarence James

Plastic Surgery Division:

Bovard, Charles M.
Gooding, Richard A.

Thoracic Surgery Division:

Brown, Merrill W.
Gordon, Joseph
Gorman, William C.
Langlois, William J.
MacQuigg, Rodger E.
Ydens, Jan W.

Urology Division:

Delambre, Lorry C.
Friedman, Herbert S.
Griffin, John J.
Johnson, Edward L.
Weingarten, Charles J.

D. Separations from staff.

None.

II. Composite of information requested.

1. Advanced study.

None.

2. Sabbaticals, etc.

None.

3. New honors.

Doctor James Clarke was elected to full, active membership in the American Gastroenterological Association on May 27th, 1966.

Doctor Michael Pollay was certified by the American Board of Neurological Surgery in November of 1965.

4. Publications.

Gordon, H. E., Gaylord, D. W., Richmond, D. M., Clarke, J. S. and Finegold, S. M. Operations on the Colon. The role of antibiotics in preoperative preparation. California Medicine, 107:253-257 (Feb.) 1965.

Clarke, J. S., Miller, I. and McKissock, P. K. Increased Acid Secretion from Heidenhain Pouches by Shunting Colonic Venous Blood around the Liver. Archives of Surgery, 92:653-656 (May) 1966.

Pollay, M. Cerebral Spinal Fluid Transport and the Thiocyanate Space of the Brain. American Journal of Physiology, 210:275-279, (Feb.) 1966.

Weaver, J. K. The Microscopic Hardness of Bone. Journal of Bone and Joint Surgery, 48-A:273-288 (Mar.) 1966.

Weaver, J. K. and Chalmers, J. Cancellous Bone: Its Strength and Changes with Aging and an Evaluation of Some Methods for Measuring its Mineral Content. I. Age Changes in Cancellous Bone. Journal of Bone and Joint Surgery, 48-A:289-299 (Mar.) 1966.

Weaver, J. K. and Chalmers, J. Cancellous Bone: Its Strength and Changes with Aging and an Evaluation of Some Methods for Measuring its Mineral Content. II. An Evaluation of Some Methods for Measuring Osteoporosis. Journal of Bone and Joint Surgery, 48-A:299-308 (Mar.) 1966.

5. Other research projects.

The following research projects have been pursued by members of the Department of Surgery. Doctor Clarke has been continuing his study of the effect of small bowel recirculating loops on nutrition after extensive ileal resection. He has also been studying the feasibility of cannulation of choledochal-cutaneous fistulas after removal of a T-tube, and the treatment of erosive hemorrhagic gastritis by vagotomy and pyloroplasty.

Doctor Michael Pollay has been carrying on research concerning the inter-action between plasma protein and the thiocyanate ion, the kinetics of bromine distribution in the nervous system, and monosaccharide transport in the nervous system. He received a research grant NB 06269-01 from the National Institutes of Health for studies on "Monosaccharide Transport in the Nervous System". The total amount of this grant is \$78,164 and its duration is for five years beginning February 1st, 1966.

Doctor James K. Weaver has pursued research during the past year under the following grants:

1. The National Society for Crippled Children and Adults, \$10,000, "The Orthopedic Application of Cryotherapeutic Techniques", July 1st, 1965 through July 1st, 1966.
 2. Department of Health, Education, and Welfare, \$19,815, "Biomechanical Alterations in Avascular Bone", December 1st, 1965 through November 30th, 1966.
6. Activities in professional societies.

Doctor William R. Blakeley attended a course in Cancer Chemotherapy at the M.D. Anderson Hospital in Houston, Texas in May of 1966. He attended the meeting of the Society for Thoracic Surgery in Denver, Colorado in February of 1966, and the meeting of the Society of University Surgeons at Milwaukee, Wisconsin in February of 1966.

Doctor James S. Clarke presented papers at the International Symposium on gastric secretion in Edmonton, Alberta, September 13th to 15th, 1965; at the American College of Surgeons, Atlantic City, New Jersey, October 18th to 22nd, 1965; and at the annual meeting of the Western Surgical Association in Omaha, Nebraska, November 18th to 29th, 1965. He also attended meetings of the Society of University Surgeons, Pacific Coast Surgical Association, American Surgical Association, and American Gastroenterological Association.

Doctor Michael Pollay read a paper before the American Association for the Advancement of Science at Las Cruces, New Mexico in May of 1966 on "Determination of the Donnan Ratio and Plasma-Thiocyanate Findings under Simulated Physiological Conditions".

He also gave a lecture on "Peripheral Nerve Injuries and their Treatment" at Santa Fe, New Mexico in March of 1966.

Doctor Daniel E. Smith attended the meeting of the American College of Surgeons at Atlantic City, New Jersey, October 20th to 25th, 1965; the Surgical Conference of VA Surgeons in Boca Raton, Florida, March 21st to 22nd, 1966; and of the Committee on Utilization of Attendings and Consultants in Atlantic City, New Jersey in October of 1965.

Doctor James Weaver completed a course on Prosthetics and Orthotics at the UCLA Medical Center in Los Angeles, California in March of 1966. He also attended the meeting of the American Academy of Orthopedic Surgery in Chicago in January of 1966.

7. Other professional activities.

None.

8. Non-teaching University service.

Doctor Clarke served on the Executive Committee of the School of Medicine during this year and on a variety of other committees concerned with the activities of the Bernalillo County-Indian Hospital and the Veterans Administration Hospital.

Doctor Pollay served on the Graduate Committee for Medical Science.

9. Public service.

Doctor James K. Weaver served as a member of the Committee on Disaster Planning of the Bernalillo County Medical Society and of the Program Committee of the Bernalillo County Medical Society.

THE REPORT OF THE COLLEGE OF NURSING
July 1, 1965 - June 30, 1966

Virginia Crenshaw, Dean

This report for the year 1965-66 will review progress and present plans and recommendations regarding faculty, students, the instructional program, and community service.

During the year the College had its routine review, including a visit, for continued accreditation by the National League for Nursing Department of Baccalaureate and Higher Degree Programs Board of Review. The Self-Evaluation Report, prepared in advance of the review, covered all aspects of the College program, and a copy is on file. Following the Board's review, continuing accreditation was granted with the requirement that a progress report be submitted during 1967-68 showing progress toward achievement of specific recommendations. The recommendations were concerned principally with faculty and the instructional program. The Board recommended that faculty with advanced clinical preparation be appointed in sufficient numbers and that there be stability to provide for continuity in the curriculum. The Board also recommended review of the stated philosophy and purposes, provision for a unified approach to curriculum revision, evaluation of certain nursing courses, firm arrangements for clinical facilities and resources, and further attention to plans for registered nurse students.

During the year a local newspaper carried adverse publicity about the College. Every person who was quoted or referred to in the articles stated that the paper distorted what had actually been said. Students responded constructively to the attack, and in their performance contered the criticism.

I. GENERAL COLLEGE INFORMATION

A. Significant Achievements

1. Faculty

The number of faculty was increased from eleven in 1964-65 to fifteen in 1965-66. These numbers are for full time equivalents and include individuals on grant support. The current year was one of unrest on the part of some of the faculty, but most are remaining. New faculty who have been appointed are well qualified.

During the year consultation services were utilized from national and regional agencies, faculty from another university, a member of the University of New Mexico faculty. With the resignation of the dean, an acting dean has been appointed for the ensuing year.

Faculty continue to function under excessively heavy work loads. Close and constant clinical supervision is a demanding part of the load. This supervision must often be individualized and in more than one clinical location. The employment of additional faculty to serve as clinical instructors has improved the supervision and instruction. However, with the necessity for individualized instruction, and often in more than one location, faculty hours remain excessive.

Physicians and other medical resource people in the community have served willingly as guest lecturers.

2. Students

The number of students majoring in nursing during 1965-66 and 1964-65 is shown in the following tables:

Semester I, 1965-66					
	Registered			Type	
	TOTAL	COLL NURS	UNIV COLL	BASIC	R.N.
Freshmen	114	1	113	111	3
Sophomores	51	24	27	49	2
Juniors	25	24	1	24	1
Seniors	25	25	0	21	4
Unclassified	2	0	2	2	0
TOTALS	217	74	143	207	10

Semester II, 1965-66					
	Registered			Type	
	TOTAL	COLL NURS	UNIV COLL	BASIC	R.N.
Freshmen	81	0	81	79	2
Sophomores	41	22	19	41	0
Juniors	23	23	0	22	1
Seniors	24	24	0	21	3
TOTALS	169	69	100	163	6

Semester I, 1964-65					
	Registered			Type	
	TOTAL	COLL NURS	UNIV COLL	BASIC	R.N.
Freshmen	104	0	104	103	1
Sophomores	56	35	21	51	5
Juniors	30	30	0	26	4
Seniors	22	22	0	16	6
Unclassified	2	2	0	1	1
TOTALS	214	89	125	197	17

Semester II, 1964-65					
	Registered			Type	
	TOTAL	COLL NURS	UNIV COLL	BASIC	R.N.
Freshmen	85	0	85	83	2
Sophomores	40	29	11	34	6
Juniors	28	28	0	26	2
Seniors	29	29	0	23	6
TOTALS	182	86	96	166	16

The decrease in the number of students can be attributed to more stringent lower-division requirements; inaccurate information about educational programs in nursing in New Mexico; and lack of comparative attractiveness of nursing as a career, especially with regard to working conditions and financial remuneration.

3. Instructional Program

While faculty have implemented an improved instructional program this year, efforts have gone forward toward a truly coordinated curriculum. Organizing themes have been explored. Curriculum study of this sort is consistent with efforts in other university schools and is essential while nursing is becoming established as a professional discipline in institutions of higher learning.

A curriculum coordinator was appointed. A curriculum committee was organized with a steering committee, and there was maximum faculty participation in curriculum work. The result was dynamic evaluation of the several suggested organizing themes in relation to unification of the curriculum. At the close of the school year consensus had been reached about central and coordinating themes in the curriculum. Plans are in process to pursue further curriculum work next year.

4. Community Service

Faculty members continue to identify the regularly enrolled students as our chief responsibility.

Participation in community affairs, even health affairs, is of necessity limited because of the heavy teaching loads.

Educational offerings for nurses in the community have included:

- a. Workshop - Clinical Skills in Psychiatric Nursing, Summer Sessions 1965 and 1966. This workshop was supported in part and student stipends were available from the National Institute of Mental Health. Arrangements were made with Highlands University for dormitory accommodations and the teaching was carried out at New Mexico State Hospital in Las Vegas. This workshop was exceedingly well received.
- b. Refresher course for nurses who were not working, Spring 1966. This workshop followed the pattern of previous refresher courses. It was made possible by the cooperative efforts of the University Division of Extension and the local hospitals with the College of Nursing. It was well received and the majority of the nurses went to work following completion of the course.
- c. The College participated in a four-state conference on community mental health for nurse leaders. It was under the sponsorship of UCLA and was made possible by grant support. The second week-long session in a planned series of six was held in New Mexico with the College in the role of host. Resource people from several state agencies participated. The consensus was that New Mexico made an excellent showing.

College faculty have served as consultants and speakers in selected community activities, but participation has been limited. Priority had to be given to other faculty endeavors. Interpretation of nursing and information about the College in the community has been curtailed due to lack of staff time.

B. Significant Plans and Recommendations

Plans for the future must, of necessity, include strengthening the faculty, increasing the number of students without decreasing the caliber, continued curriculum work to improve the educational program, and increased community service.

Recommendations include securing grant funds for improvement and expansion of the educational program and continuing work on the proposed plans for the College of Nursing building.

1. Faculty

There is a national shortage in well-qualified teachers, especially those prepared to teach in baccalaureate programs. It is essential that the University of New Mexico College of Nursing continue to attract as well qualified faculty as possible. The potential for growth in nursing and the expanding medical center presently serve to attract and should continue to do so. It is anticipated that as faculty find it possible, they will give leadership in the development of nursing in the community.

2. Students

The need for nurses is increasing. This is especially true of the need for professional nurses prepared in collegiate programs. Increasing numbers of fields, other than nursing, are opening up to college women. Hence, additional effort must be put into recruitment

and interpretation about the opportunities in nursing. The College should double its enrollment within the next five years and expand still further within ten years.

3. Instructional Program

Advance made in curriculum work this year will continue next year toward a strengthened, unified and stabilized program. The place of the registered nurse student in the baccalaureate program will be of particular concern. Additional work will be done on examining the rationale for the total program requirements. Within the nursing major continuity of learning will be identified, and each course will be analyzed for objectives, theory, practice, and evaluation.

4. Community Service

The regular educational program must continue to take priority. It is hoped that within the near future we will be able to give more community service, particularly in the form of leadership in nursing and continuing education.

C. APPOINTMENTS TO THE STAFF

Dr. Reina F. Hall, Acting Dean	July 1, 1966
Mrs. Grace Bates	September 1, 1966
Miss Elizabeth Bear	September 1, 1966
Miss Barbara Carper	September 1, 1966
Miss Martha Beth Hicks	September 1, 1966
Mrs. Jean Paulson	September 1, 1966
Miss Cosma Rhinehart	August 1, 1966

D. SEPARATIONS FROM THE STAFF

Mrs. Ann Jue (part-time)	June 30, 1966
Miss Hazel-Mae Klar	June 30, 1966
Miss Catherine Norris	June 30, 1966
Mrs. Nancy Nunez	June 30, 1966
Mrs. Arlene Rachiele (part-time)	June 30, 1966
Mrs. Estelle Rosenblum	June 30, 1966
Miss Ann Voda	June 30, 1966
Miss Coleen Waldorf	May 31, 1966

III. COMPOSITE OF INFORMATION FROM INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

Publications during the period.

Dr. Flynn published a report of her dissertation, "Diurnal Relationships between Ambient Meteorological Phenomena and Blood Pressure in Women" in Nursing Science, December, 1965.

Mrs. Carter published a report of her thesis, "Family Planning in Nursing Education" in Nursing Outlook, January, 1966.

Dr. Norris published a paper she gave "What Nursing Education Expects from Nursing Service - A Program of Nursing Care" in Hospital Progress, December, 1965; and "What I Learned from Mr. Kay" in Perspectives in Psychiatric Care, January, 1966.

VC:ae

The Report of the College of Pharmacy
July 1, 1965 - June 30, 1966
Elmon L. Cataline, Dean

I. General College Information.

A. Significant achievements during the academic year, 1965-66.

1. During the year under review, the enrollment again reached a historic high. As reported last year, peak enrollment for 1964-65 was 96 in the College of Pharmacy and 56 in the University College for a new high of 152. In the second semester of the year 1965-66 there were 124 students enrolled in the College of Pharmacy and 75 in the University College (who were advised by College of Pharmacy faculty members) for a new record enrollment of 199. It would appear that the apprehension of many members of the profession that the initiation of the five-year program would adversely affect enrollment was without foundation.
2. On March 3, 1966 representatives of E.R. Squibb and Sons, Inc., pharmaceutical manufacturing company, conducted a "Seminar-Tour" for the fourth- and fifth-year students of the College. The all-day meeting, which was held at a local hotel, consisted of presentations by the Squibb representatives describing the Squibb plants and discussing the manufacture and uses of a number of Squibb products, as well as policies and procedures which govern the activities of the company. The Seminar-Tour was conceived recently as a means of providing students with knowledge of the company, its products and policies without the students having to make the relatively expensive and time-consuming trip to the plant. It was the general consensus of all concerned that the Seminar-Tour held here was successful and, with certain improvements very well may be a good substitute for the inspection trip. It is of interest to note that the Seminar-Tour held here was only the third held so far-the other two being at the Universities of Illinois and Iowa.

B. Significant plans and recommendations.

1. Until the College's pressing needs in regard to faculty and building space are met there is little reason to plan for any expansion of the College's activities. The increased enrollment has made it necessary for most of the faculty to assume greater-than-normal teaching and advising loads and has resulted in near-capacity use of the building. Lacking additional faculty and space it will probably be necessary for the College to limit enrollment. This will be unfortunate at a time when there is an increasing shortage in the profession.
2. As noted in the attached report of the Dental Hygiene Program, there is a real need for (a) a degree program in Dental Hygiene and (b) more building space. The former is being discussed and recommendations will be forthcoming, it is hoped, at an early date. The space needs must be met soon if the Dental Programs are to meet the needs of the profession. The Director and her staff have made extremely efficient use of the quarters assigned to them. It will be most unfortunate if their activities are curtailed because of space limitations.

C. Appointments to staff.

1. College of Pharmacy.
 - a. Mr. Gary Gene Ferguson, as Instructor in Pharmacology, effective September 1, 1965.
 - b. Mrs. Anne Brown Spickard, as Secretary, effective April 1, 1966.

D. Separation from staff.

1. College of Pharmacy.
 - a. Victor H. Duke, Ph.D., Assistant Professor of Pharmacology, effective July 1, 1965.
 - b. Mrs. Josephine Marten, Secretary, effective March 31, 1966.

II. Composite of information regarding staff members.

1. Advanced study.

None.

2. Sabbatical Leave.

Elmon L. Cataline, Dean, Semester I. Travel in Ireland, England, Belgium, France, Switzerland, Italy; conferences with Deans of Irish and English schools of pharmacy.

3. New Scholastic Honors.

None.

4. Publications.

FERGUSON, GARY GENE

"Effect of Basic Nuclear Proteins on Cardiac Muscle Function",
Circulation Research, Vol. XVII, December, 1965.

"Heart Muscle Nuclei: Preparation and some Properties,"
Cardiovascular Research Center Bulletin, Vol. I,
September, 1965.

5. Other Research Projects in Progress.

BAKER, GEORGE L.

"Investigation of Contra Yerba."

CATALINE, ELMON L.

"History of Pharmacy in New Mexico."

NOVITSKI, MONICA

"U.S.P.H.S. Comparative Study of Dental Assisting
Teaching Programs."

STAHL, KENNETH H.

"Synthesis of Hydrazides as Possible Psychopharmacological
and/or Hypotensive Agents."

6. Activities in Learned and Professional Societies.

BAKER, GEORGE L.

Re-elected Vice Chairman, New Mexico, Western States Drug
Conference.

Represented College of Pharmacy at annual meeting of District
No. 8, N.A.B.P.-A.A.C.P., Las Vegas, Nevada, October 24-
26, 1965.

CATALINE, ELMON L.

Chairman, Committee on Constitution and By-Laws, New Mexico
Pharmaceutical Association.

Attended annual convention, N.M.Ph.A., Ruidoso, May 22-24, 1966.

Member, Committee on Nominations, American Association of
Colleges of Pharmacy.

Secretary, (to January 16, 1966), Western States Drug
Conference (since 1958); attended annual meeting,
Phoenix, Arizona, January 15-16, 1966.

Represented College of Pharmacy at annual meeting of
American Association of Colleges of Pharmacy,
Dallas, Texas, April 23-25, 1966.

NOVITSKI, MONICA

Attended annual meetings:

American Dental Association
New Mexico Dental Association
American Dental Hygienist's Association

Attended regular meetings:

Albuquerque District Dental Society
American Society of Dentistry for Children
New Mexico Dental Hygienist's Association
Council of Professional Dental Education (Secretary)

STAHL, KENNETH H.

Attended Seventh Annual A.A.C.P. Teachers' Seminar,
Toronto, Ont., Canada, June 20-25, 1965.

7. Other Professional Activities.

CATALINE, ELMON L.

"The Drugs You Take", talk before Sertoma Club, April 7, 1966.

duFAULT, M. LOUISE

Lectured on Dental Health Education to practical nurses at
Presbyterian Hospital.

FERGUSON, GARY G.

Talk, Albuquerque Dental Society, January, 1966.
T.V. Discussion, KNME, February, 1966.

FIEDLER, WILLIAM C.

Talk, Regina School of Nursing, September, 1965.

NOVITSKI, MONICA

Dental Consultant:

Council on Dental Education, American Dental Association.
New Mexico State Elks Cerebral Palsy Project.

Staff Member: St. Joseph's Hospital.

Dental Health Consultant, Division of Dental Health,
New Mexico Department of Public Health.

Dental Advisor, New Mexico Dental Hygienist's Association.

Coordinator, for New Mexico State Board of Dental Examiners,
examination of dental hygienists for licensure.

8. Non-Teaching University Service.

BAKER, GEORGE L.

Secretary, Pharmacy Faculty
Acting Dean, College of Pharmacy, Semester I.
Scholarship Committee, College of Pharmacy
Member, Athletic Council
Student Advisor

CATALINE, ELMON L. (Semester II.)

Administrative Committee
Committee on Entrance and Credits
Scholarship Committee, College of Pharmacy
Advisor, Gamma Rho Chapter, Kappa Psi
Student Advisor

duFAULT, M. LOUISE

Assistant to Director, Dental Programs
Student Advisor

FERGUSON, GARY G.

Student Advisor

FIEDLER, WILLIAM CARL

Student Advisor
Scholarship Committee, College of Pharmacy

NOVIISKI, MONICA

Student Advisor
Dental Consultant, UNM Peace Corps

STAHL, KENNETH H.

Policy Committee
Special Advisor, University College
Advisor, UNM Student Chapter, American Pharmaceutical
Association

9. Public Service.

CATALINE, ELMON L.

President, Albuquerque Knife and Fork Club, 1965.

NOVITISKI, MONICA

Director, Our Lady of Fatima Credit Union
Director, Coronado Credit Union

STAHL, KENNETH H.

Helped with collection for United Fund Committee

The Report of the Dental Hygiene Program
July 1, 1965 - June 30, 1966
Monica Novitski, Director

I. General Information

Fifty-eight people have completed the two-year certificate program in dental hygiene at The University of New Mexico since it was started in September, 1961. Twenty-six of these dental hygienists are presently working in New Mexico. A noteworthy statistic is that the number of dentists in New Mexico employing dental hygienists has increased almost 500% since the establishment of the Dental Hygiene Program. The number of dental hygienists licensed in the state but educated at schools other than the University has increased markedly in this period, also.

II. Academic Aspects

In August, 1965 a three-day post-graduate non-credit course, "Introduction to Dental Public Health", was offered by the Dental Hygiene Program with the cooperation of the Dental Division of the New Mexico Department of Public Health. Forty-one dental hygienists, school nurses and public health nurses were in attendance. The faculty included ten visitors from The University of North Carolina, the American Dental Association and Public Health Service offices in Houston, Dallas and Santa Fe. It was the first attempt at a course of this magnitude; it was well-received and helped to establish a good working relationship between practicing dental hygienists and nurses in school and public health assignments throughout the state.

In January, 1966 the Dental Hygiene Program co-sponsored with the University Division of Extension and the New Mexico Dental Hygienists' Association the second post-graduate seminar for dental hygienists. Dr. Tom Orban of Denver, Colorado presented the one day program, "Peridontia For The Dental Hygienist". He spent the morning presenting didactic material. In the afternoon Dr. Orban gave instructions in technique as the twenty seminar participants performed services for patients in the Dental Programs Clinic.

III. Financial Aid to Students

A WICHE exchange student from Arizona completed her education in June, 1966 having been supported during both years under provisions of the WICHE compact.

For the second year the New Mexico Elks provided a \$400 fellowship to a student in the Dental Hygiene Program to participate in the Cerebral Palsy Clinic evaluations.

The Duke City Business and Professional Women's Club awarded a \$200 scholarship to a second year dental hygiene student. The members of this organization plan to offer the same sum for the 1966-67 academic year to a dental hygiene student in her last year of training. Their primary stipulation is that the student be a New Mexico resident.

IV. Faculty Recommendations

The faculty requests that a strong effort be made to implement a degree curriculum in dental hygiene within the next year. More and more requests are being received from present and former students for such a curriculum.

V. Physical Facilities

Faculty office and storage space is woefully inadequate in the present quarters. There is no dressing room nor lounge area for either male or female faculty members. In the reception area patients frequently find no seating and are forced to stand. It is urgent that consideration be given to enlarging the quarters occupied by the Dental Programs.

VI. Faculty and Staff

Miss M. Louise duFault joined the faculty in September, 1965 as an assistant professor of dental hygiene and assistant to the director of the program. She came from the Melrose Park School System, Melrose Park, Massachusetts where she served as supervisor of dental health education. Miss duFault earned a certificate in dental hygiene from Forsyth Institute and B.S. and Ed. M. degrees from Boston University.

Mrs. Bonnie Thompson terminated her duties as a clinical and laboratory instructor in January, 1966 when she moved to Denver, Colorado

Mrs. David Weig replaced Mrs. Kenneth Thom as secretary in October, 1965.

The 1965-66 Annual Report of the University College and Counseling Center is incorporated with the 1966-67 report, for which see the next volume.

ANNUAL REPORT

DIVISION OF EXTENSION, SUMMER SESSION, AND COMMUNITY SERVICES

July 1, 1965 --- June 30, 1966

Harold O. Ried, Director

The Division of Extension, Summer Session, and Community Services is concerned with many activities such as Off-Campus Instruction; the Community College; Conferences, Institutes, and Short Courses; Summer Session; Audio-Visual Center; Taos County Properties; Correspondence Courses; a Civil Defense Training Program; the Dental Assistants' Program; and the Great Decisions Program.

During the academic year of 1965-66, the Division in general encountered an increased work load.

The administrative staff changed with the termination of Assistant Director David P. Dillard on June 30, 1965 who was replaced by Mr. John L. Bobroff. The Division's staff had the following changes: Mrs. Vivian Bianchi, clerk-typist, resigned on January 21, 1966, and was replaced by Mrs. Sharon Batdorff on January 17, 1966. Mrs. Batdorff terminated employment on May 27, 1966 and was replaced by Miss Donna Lovett on May 30, 1966.

The following faculty members served on the Faculty Committee for the Division of Extension, Summer Session, and Community Services: Mr. Patrick Carr, Miss Dorothy Cline, Dr. Christopher Dean, Dr. William C. Martin, Dr. Marshall Nason, Mr. William E. Rhoads, Dr. William Runge, Mr. J. C. MacGregor, Mr. John Perovich, Mr. John L. Bobroff, Dr. M. H. McMichael, and Dr. Harold O. Ried, Chairman.

This report continues the practice of including a section on each major area supervised by the Division.

OFF-CAMPUS INSTRUCTION

1. Extension Classes

Regular credit courses and some non-credit courses comprise this section on Extension Classes. During the year, the general policy that these courses be carried on anywhere in the state where sufficient demand warrants their establishment has been followed.

The following classes were held off-campus during the reporting period:

A. Semester I, 1965-66

<u>Location</u>	<u>Course</u>	<u>Enrollment</u>
1. Holloman Air Force Base - Resident Credit	B.A. 500	22
	B.A. 507	26
	Elec. Engr. 533	16
	Math. 313	14
	Math. 551	10
	Physics 302	10
	Psych. 302	14
	TOTAL	112
2. Gallup Community College Resident Credit	Biol. 136	15
	B.A. 105	18
	B.A. 111	9
	B.A. 113	14
	Educ. 290	10
	Educ. 429	8
	Engl. 253	21
	Geol. 101	4
	Hist. 262	16
	Psych. 101	9
	Soc. 101	7
	TOTAL	131
3. Extension Classes		
Estancia	Art 429	22
Los Alamos	El. Educ. 361	19
	Psych. 308	20
	Anthro. 101	30

<u>Location</u>	<u>Course</u>	<u>Enrollment</u>
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3. Extension Classes (Continued)

Los Lunas	Psych. 308	23
Santa Fe	Psych. 305	18
	Psych. 308	16
Gallup	El. Educ. 429	19
Grants	Guid. 431	35
TOTAL		202

B. Semester II, 1965-66

1. Holloman Air Force Base
Resident Credit

Astron. 421	14
B.A. 501	13
B.A. 502	22
Elec. Engr. 431	17
Math. 314	13
Math. 371	29
Math. 575	7
Psych. 311	13
TOTAL	128

2. Gallup Community College
Resident Credit

Educ. 290	5
Educ. 429	16
Engl. 254	9
Govt. 101	10
Math. 111	11
Psych. 102	8
Psych. 260	7
Soc. 211	6
TOTAL	72

3. Extension Classes

Grants	El. Educ. 435	25
Los Alamos	Anthro. 102	29
	Educ. 353	19
	Psych. 302	21
Los Lunas	Educ. 471	14
Moriarty	Math. 111	27
Santa Fe	Guid. 431	26
	Psych. 312	21
TOTAL		182

C. Summer Session, 1966

No Enrollments

II. Correspondence Courses

Correspondence instruction is offered to any qualified person, any place in the world, who wishes to earn university credit, but cannot attend organized classes.

The following chart shows the extent of activity in the Correspondence area of the Division:

COMPARISON OF CORRESPONDENCE STATISTICS FOR LAST FIVE YEARS

Year	No. of Courses Offered	New Enrollments			Percent of Increase or Decrease	States	N. M. Counties	Foreign Countries
		Men	Women	Total				
1961-62	74	410	301	711	Incr. 13.1	36	25	1
1962-63	76	448	315	753	Incr. 7.3	39	27	6
1963-64	75	453	355	808	Incr. 5.8	37	27	6
1964-65	80	414	343	757	Decr. 6.3	35	29	4
1965-66	77	499	367	866	Incr. 14.4	38	28	5

The number of students actually enrolled in courses during 1965-66, including new enrollments, carry-overs, withdrawals and completions, was 1681. This compares with 1574 actively working on courses during 1964-65.

The following geographical distribution chart shows students from 38 states, 28 New Mexico counties, and 5 foreign countries:

GEOGRAPHICAL DISTRIBUTION OF NEW CORRESPONDENCE ENROLLMENTS - 1965-66

<u>States</u>		<u>Foreign Countries</u>		<u>New Mexico Counties</u>	
Alabama	1	Canada	1	Bernalillo	407
Alaska	1	Costa Rica	2	Catron	2
Arizona	10	Dominican		Chaves	11
Arkansas	1	Republic	1	Colfax	1
California	87	Mexico	1	Curry	3
Colorado	5	Peru	1	Dona Ana	2
Connecticut	1			Eddy	7
Dist. of Columbia	1			Grant	10

<u>States</u>	<u>(Continued)</u>	<u>Foreign Countries</u>	<u>New Mexico Counties</u>
Florida	5	Guadalupe	1
Georgia	4	Harding	1
Idaho	1	Hidalgo	1
Illinois	7	Lea	1
Iowa	1	Lincoln	4
Kansas	1	Los Alamos	20
Louisiana	1	Luna	6
Maryland	2	McKinley	12
Massachusetts	4	Otero	7
Michigan	4	Quay	3
Minnesota	4	Rio Arriba	8
Missouri	3	Roosevelt	2
Montana	2	Sandoval	7
Nebraska	2	San Juan	13
Nevada	1	San Miguel	4
New Jersey	6	Santa Fe	39
New York	41	Socorro	7
North Carolina	6	Taos	4
North Dakota	2	Torrance	1
Ohio	3	Valencia	10
Oklahoma	4		
Oregon	1		
Pennsylvania	3		
Tennessee	1		
Texas	39		
Utah	2		
Virginia	2		
Washington	4		
Wisconsin	1		
Wyoming	2		
TOTAL	266	6	594

During the year 1965-66, the number of new students enrolled in Correspondence courses increased substantially, in spite of a decrease in course offerings. This may be partially explained by the fact that a decrease in new enrollments was recorded in 1964-65, and the normal slow upward trend is being resumed.

In 1965-66, the following Correspondence course changes were made:

Courses Deleted:

Art 101
 Government 305
 Government 311
 History 261
 History 262
 Psychology 251

Courses Added:

Government 101
 Government 375
 Psychology 107

Courses Revised:

Educ. 301
 English 253
 English 254
 French 251
 French 252
 Government 201
 Mathematics 102
 Spanish 305

The total number of courses at the end of the year was 77.

In the period covered by this report, 299 students completed correspondence courses, representing 842 college credit hours, 5 non-credit, and 8 high school units. This compares with 857 credit hours, 2 non-credit, and 5 high school units earned in 1964-65.

Total lessons serviced, exclusive of tests and examinations, amounted to 13,477, compared with 12,360 in 1964-65.

Financially, the Division took in fees in the amount of \$29,441.05, and spent for the direct servicing of correspondence courses the sum of \$13,116.69. Of this sum, \$1,000.00 was spent for new courses or revisions. (The total of fees received in 1964-65 was \$26,177.75.) USAFI textbook fees are included in money received, then paid from the correspondence account when billed by the Associated Students Bookstore. The sum of \$1,209.55 was requisitioned to cover the bookstore billing, so a profit of \$15,114.81 was realized, exclusive of salaries of staff, office expense, etc.

United States Armed Forces Institute

In 1965-66, 158 new students were enrolled for correspondence courses under the USAFI program, an increase of 71 over the previous year. Students in this program abide by the regulations of the University in respect to correspondence work except that they are allowed two years

instead of one to complete a course. They are subject to a small enrollment fee, but the bulk of their tuition and the lesson service fees are covered by contract with the United States Government. The contract for the coming year has been approved, allowing continuance of this program at The University of New Mexico.

COMMUNITY COLLEGE

I. Credit Courses

This Division, through the Community College, is concerned with two aspects of credit work. First, all students classified in Non-Degree Status are under the jurisdiction of the Director of this Division. Secondly, the administration, promotion, and supervision of all evening classes are aspects of the Director's responsibilities. All classes scheduled after 3:30 p.m. are considered evening classes. The following enrollment figures are reported for the period:

COMPARISON OF STUDENTS REGISTERED IN NON-DEGREE
STATUS FOR THE PAST FOUR YEARS
 (Regular Semesters Only)

<u>Year</u>	<u>Semester</u>	<u>Students</u>	<u>Percentage of Increase or Decrease over Cor- responding Periods</u>	<u>Total for Year</u>
1962-63	1st	951	10.58% Increase	1822
	2nd	871	24.43% Increase	
1963-64	1st	1038	9.15% Increase	1950
	2nd	912	4.45% Increase	
1964-65	1st	1063	2.41% Increase	2093
	2nd	1030	12.94% Increase	
1965-66	1st	1202	13.06% Increase	2194
	2nd	992	3.68% Decrease	

By examining the above chart, it is noted that during the past year the Non-Degree enrollment increased by 101 students which is a percentage increase of 4.83% over the previous year.

It should be kept in mind that this Division, thus, had to prepare and maintain personal folders for 2194 students. Through these folders, we keep an up-to-date academic record on each student enrolled in Non-Degree status.

Naturally, we have 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 past year, 68 Non-Degree students were suspended; 321 students were put on probation; 138 students were continued on probation; and 27 students were released from probation.

In addition to the Non-Degree students who are mainly taking evening courses, there are many other students from the regular colleges of the University that take only evening work. This, of course, adds a considerable number to evening enrollments; and the following chart gives comparative figures for the past five years:

COMPARISON OF EVENING CLASS ENROLLMENTS
DURING THE PAST FOUR YEARS

<u>Year</u>	<u>Semester</u>	<u>Students</u>	<u>Percentage of Increase or Decrease over Corresponding Periods</u>	<u>Total for Year</u>
1962-63	1st	902	.45% Increase	1774
	2nd	872	.23% Increase	
1963-64	1st	951	5.43% Increase	1838
	2nd	887	1.72% Increase	
1964-65	1st	722	.23% Decrease	1553
	2nd	831	.63% Decrease	
1965-66	1st	893	23.68% Increase	1785
	2nd	892	7.34% Increase	

TOTAL INCREASE 14.24% over 1964-65

By studying the above chart, one notices that the number of night students for the 1965-66 school year showed an increase of 14.24% from the preceding year.

We still insist that if we offered more night courses in certain departments, we would be able to increase the number of enrollees in

night classes. This, of course, would be of considerable advantage to the University. It is our considered opinion, as stated before, that departments could do much more in serving the community by offering night courses. There is certainly the demand from our citizens for this kind of service.

11. Non-Credit Courses

Non-credit courses are offered for adults, regardless of their educational backgrounds, who are interested in educational growth in vocational and professional fields, or as a means to better enjoyment of leisure time by becoming proficient in an avocation. The activities of the non-credit section of the Community College are shown in the following tables:

COMMUNITY EVENING COLLEGE 1965-66

<u>Semester</u>	<u>No. of Courses</u>	<u>Men Enrolled</u>	<u>Women Enrolled</u>	<u>Faculty & Staff</u>	<u>Income</u>	<u>Instructors' Pay</u>	<u>Gross Profit</u>
I	64	974	983	118	\$34,453.80	\$18,980.00	\$15,473.80
II	62	697	969	93	28,381.99	16,750.00	11,631.99
TOTALS:	126	1671	1952	211	\$62,835.79	\$35,730.00	27,105.79

A comparison of the non-credit program for the reporting period and the four previous years is given in the following table:

<u>Year</u>	<u>Total Enrollment</u>	<u>Faculty & Staff</u>	<u>No. of Courses</u>	<u>Income</u>	<u>Instructors' Pay</u>	<u>Gross Profit</u>
1961-62	2,517	82	105	\$33,742.00	\$22,013.00	\$11,729.00
1962-63	2,591	93	110	34,262.00	22,850.00	11,412.00
1963-64	2,391	71	99	38,490.00	23,645.00	14,845.00
1964-65	3,301	131	118	57,652.74	29,990.00	27,662.74
1965-66	3,623	211	126	62,835.79	35,730.00	27,105.79

This shows an increase of 322 students, or 9.75% more than last year. Although a profit of \$27,105.79 was realized, it was 2% decrease from the previous year. This decrease can be attributed to the following:

a 60.3% increase in the number of staff and faculty who were enrolled and had their tuition fees waived; a 100% increase in the number of English 010 and Math 010 classes offered. (The instructors for these classes are paid on the department scale of \$550 per class whereas an instructor of a similar length class on the Community College scale would receive \$320.)

Factors which contributed to the increased enrollment were the five additional classes of English and Math 010, the initiation of a physical fitness program, an increased emphasis on conversational Spanish, and the continued popularity of the Management, Real Estate, and Secretarial Career Series programs.

By general subject areas, the total enrollment in the non-credit section was broken down as follows:

Business	25.64%	Language and Language Arts	23.66%
Vocational	5.49%	Homemaking	8.94%
Arts	16.26%	General Interest	20.01%

Our efforts to capitalize on popular interests continue, and it is the policy of the Division to offer any course for which there is an expressed interest and for which there are adequate facilities and quality instruction can be provided. This year, twelve entirely new courses were developed and offered.

Of the 47 faculty members in the non-credit section this year, 13 were regular University faculty members. The remainder were townspeople who are recognized experts in their respective fields.

The cooperative plan between the University and the New Mexico State Department of Vocational Education is still in effect. The University is receiving compensation equal to one-half of the cost of certain courses of a distributive education nature.

There is an increasing awareness on the part of our local adult population of the need for continuing their education in order to acquire a higher degree of knowledge, a keener intelligence, improved skills, and more beneficial use of leisure time. This growing awareness, coupled with an intensive publicity campaign to acquaint these adults with the University program designed to meet these needs, has resulted in the great expansion of our non-credit program. A total of 11,000 Community College Bulletins were distributed during the reporting period. Excellent coverage of our program by the local press, radio, and television stations was also of great help in our campaign to acquaint the citizenry with the University and its non-credit offerings.

The Community College is constantly in contact with the Information and Education Offices at Kirtland and Manzano Air Force Bases, and with the Educational and Training Offices at Sandia Corporation. It is through our close alliance with these offices that we receive much cooperation, and consequently, higher enrollments.

CONFERENCES, INSTITUTES, AND SHORT COURSES

Educational activities designed for adults who are not concerned with the more formal credit offerings are considered to be in the continuing education program. Conferences, institutes, short courses, workshops, community development programs, and non-credit courses are classed in this field.

Adults, who are interested in the above program, take active part in one or more of the several activities in order to help themselves become more proficient in their work or to better enjoy leisure time. Interest in continuing education activities is mounting rapidly each year. Requests for available University facilities to carry on intensified informational or instructional activities of short duration are, also, increasing.

The Division of Extension, Summer Session, and Community Services acts as a coordinator and clearing house, by direction of the President of The University of New Mexico, for all conferences, institutes, and short courses, of a non-academic nature originated by campus personnel, and for all requests from outside sources to use campus facilities. Occasionally, instances occur when campus personnel neglect or forget to inform the Division of Extension of an anticipated activity until letters of invitation have been sent and an answer received from the organization involved, accepting the invitation. Sometimes word is not received by this Division until all plans have been formulated. Whenever such instances occur, difficulties may arise in the scheduling of available facilities because of another activity already utilizing the space desired. In order to minimize embarrassing situations and to keep good public relations with the people concerned, all conferences, institutes,

large meetings, etc., should be scheduled on the University calendar of events in the Division of Extension before any commitments are made.

Our connection with each scheduled activity for adults varies as far as major or minor responsibility is concerned. It is the policy of the Division to form a planning committee with each requesting organization, composed of three members of the off-campus group, a member from each department at the University that will be involved in the activity, and one member from the Division of Extension who acts as coordinator of the activity.

There has been a steady decrease in facilities available for conferences, etc., even with the increased building program on campus. The number of residence students attending The University of New Mexico, both during the day and at night, is increasing each semester. The increased enrollment requires more classroom space, thus decreasing facilities available for continuing education programs. Because of this, the Division has had to limit the number of activities which can come to the campus and also, because of available space, limit attendance in certain programs.

Each time new classrooms are added to existing buildings or new buildings are built, there is an increase of available space but such facilities are almost immediately needed for the increase of residence students. The new auditorium, an addition to the Fine Arts building, when completed, will make an excellent facility for musicals, plays, or special events. This facility will seat approximately 2000 people and should be made available for continual use.

It is necessary to enlist the help of some of the motels and hotels in Albuquerque each time an activity is held on campus which requires

housing. The campus housing facilities will not take care of all the students attending the University so adults attending programs from outside Albuquerque have to find housing facilities elsewhere. We have found that hotel and motel managers are happy to cooperate with the University but the problem of scheduling non-university events with university events takes cooperation. During the summer months, campus housing and available meeting room facilities are consistently used by continuing education groups. Summer session enrollments are increasing each year and summer activities are expanding to keep pace with the increase. Eventually, available space for adult education activities during the summer will be utilized by residence students, thus restricting these educational activities in the summer as well as during the regular semesters.

Meeting rooms in the New Mexico Union are utilized by the Division as much as possible. The Division encourages people connected with educational off-campus activities to plan their programs in the New Mexico Union during the summer months because students have few scheduled activities at that time. During the fall and spring semesters, however, scheduling of student activities in the Union have priority over outside meetings and conferences. Excellent cooperation has been received with personnel at the New Mexico Union, and space is made available to the Division when not otherwise used by campus organizations. Requests for facilities in the Union are many because of their excellence and a system of charges had to be established for off-campus organizations. Increased enrollments each year bring increased demands on the New Mexico Union by students for their activities which decreases available space for continuing activities.

A schedule of charges has been developed for all meeting rooms on the campus. This was necessary in order to reduce the number of off-campus requests to make room for credit classes. Many requests are received each year from various organizations for facilities to hold meetings free of charge. Some of these requests are from deserving organizations and committees which operate without a budget. For the sake of good public relations, the Division has responded favorably to such requests and provided meeting space if such was available.

1. Conferences

During the academic year, 1965-66, 49 conferences and other activities of two-days' duration or over were planned and conducted in cooperation with the different departments in the University. The 49 conferences in this category involved 21,883 different people. A list of these activities follows:

<u>Conference</u>	<u>Dates Held</u>	<u>Enrollment</u>
U. S. Army Reserve Unit	July 17-31, 1965	250
Cheerleaders' Clinic	July 18-23	225
Teacher Education and Professional Standards	July 26 & 27	180
Open-Door Seminar, Dikewood Corporation	Aug. 3-8	236
Basketball Officials' Clinic	Aug. 6 & 7	147
Physical Education Class for Small Boys	July 1 - Aug. 13	61
Coaching School	Aug. 1-6	169
Governor's Conference & Civil Rights	Aug. 11-12	163
U. S. Naval & Marine Corps Reserve Unit	Aug. 1-13	126
Japanese International Student Service	Aug. 13 & 14	76
New Mexico Tax Assessors Association	Aug. 18-20	78
French Students' Training Class	Aug. 2-26	21
Dental Training Program	Aug. 20-21	42
Custodial Workshop	Aug. 22-24	78
Boy Scout Training	Aug. 22-26	388
Dental Program Faculty Orientation	Aug. 30-Sept. 1	15
State Teachers of English	Sept. 24 & 25	198
New Mexico Education Association	Oct. 27-29	12,000
Foremens' Seminar	Nov. 3-6	51
C.P.A. Exams	Nov. 3-5	71

<u>Conference (Continued)</u>	<u>Dates Held</u>	<u>Enrollment</u>
New Mexico Council of Social Welfare	Nov. 4 & 5	392
W.I.C.H.E. Correctional Training Program	Nov. 4-6	40
International Association of Personnel in Employment Security	Nov. 12 & 13	122
Ethno-Musicological Convention	Nov. 11-14	88
Western Forensic Meet	Nov. 24-27	896
Make-it-Yourself-With-Wool	Dec. 4 & 5	160
Third Paving Conference	Dec. 9 & 10	235
Sixth Annual Symposium of Filament Structures	Dec. 3 & 4	321
Dental Hygienists' Seminar	Jan. 30 & 31, 1966	32
Dental Seminar	Jan. 30 - Feb. 1	68
Conference on University Reform	Feb. 3-5	160
State Music Festival	Feb. 3-5	1600
Speech Festival	Feb. 4 & 5	320
Council on Geological Sciences	Feb. 4 & 5	12
Foods & Nutrition Committee	Feb. 25 & 26	28
Juvenile Probation Officers' Workshop	March 3 & 4	31
Altitude Symposium	March 4-6	261
Indian Educators' Conference	March 8-10	206
Teachers of Adults in Vocational Trades	April 13-16	17
New Mexico Municipal League	April 20-22	25
S.W. Regional Indian Youth Conference	May 6 & 7	311
New Mexico Medical Society	May 11-13	769
Management Training Program	June 6-11	22
World Book Training Class	June 4-18	42
Air Force Scientific Seminar	June 15-22	330
Girls State	June 19-26	327
Medical Assistants Examination	June 24 & 25	8
National Forensic League	June 27-30	475
New Mexico Bookmen	June 28-30	10
		<u>21,883</u>

In addition to the above, there were 78 conferences of one-day duration involving 7,309 people.

As may be expected, working with committees for a large number of conferences is no small job. Some conferences require only a small amount of time while others require, in addition to close planning, the presence of a staff member at the conference at all times. Favorable public opinion may be gained, however, when services to help manage a conference are offered. All actual expenses incurred by the before-mentioned activities are paid by the organizations concerned.

11. Institutes and Short Courses

During the academic year, 1965-66, 54 institutes and short courses involving 2,762 persons were planned in cooperation with University personnel and conducted on the campus. A list of such activities follows:

<u>Name of Course</u>	<u>Dates Held</u>	<u>Enrollment</u>
Vocational Education Training Methods	July & August	17
German Reading	July & August	25
Data Processing Orientation	July & August	81
Teaching of Gymnastics	July & August	20
Practical Politics	July-September	30
New Mexico High School Officials' Class	August	43
Chartered Property Casualty Underwriters, Part I	Semester I	15
Chartered Property Casualty Underwriters, Part IV	Semester I	12
Albuquerque Philatelic Class	Semester I	43
Albuquerque Youth Council	" "	82
Anatomy for the Medical Office Assistant	" "	49
New Mexico High School Officials' Class	" "	45
American Institute of Banking, Part I	" "	36
American Institute of Banking, Part II	" "	72
American Institute of Banking, Part III	" "	33
American Institute of Banking, Part IV	" "	88
Business Administration for National Secretaries' Association, Part II	" "	17
Civil Defense Management	" "	21
American Society of Metals Class	" "	22
Albuquerque Rockhounds Class	" "	45
Chartered Life Underwriters, Part I	" "	21
Chartered Life Underwriters, Part IV	" "	28
Juvenile Court Traffic School	" "	120
Albuquerque Gem & Mineral Class	" "	81
Folk Dancing Class	" "	38
Life Underwriters' Training Class	" "	25
Engineer-In-Training Review	Oct. '65-March '66	38
Certified Public Accountant Class	Jan.-Feb. 1966	50
American Institute of Banking, Part I	Semester II	36
American Institute of Banking, Part II	" "	49
American Institute of Banking, Part III	" "	32
American Institute of Banking, Part IV	" "	35
American Institute of Banking, Part V	" "	56
Albuquerque Archaeological Society	" "	76
Albuquerque Gem & Mineral Class	" "	88
Juvenile Court Traffic School	" "	115
Albuquerque Rockhounds Class	" "	44
Albuquerque Youth Council Training Class	" "	48
Health Insurance Class	" "	21

<u>Name of Course (Continued)</u>	<u>Dates Held</u>	<u>Enrollment</u>
Chartered Life Underwriters, Part II	Semester II	19
Chartered Life Underwriters, Part III	" "	27
American Society of Metals Class	" "	31
Medical Terminology	" "	97
Y.M.C.A. Training Class	" "	15
Chartered Property Casualty Underwriters	" "	14
Public Administration Course	March & April	42
German Reading Seminar	March-May	28
French Reading Seminar	March-May	26
Job Instruction Training	April	18
Nurses' Operation Brush-Up Course	April	22
Teachers' Seminar on Mental Health	April & May	403
Geological Training Course	April & May	46
Efficient Reading Techniques	May	51
Medicare Lectures	June	126
	TOTAL	1,639

As in the case of the conferences, the institutes and short courses required much help and planning on the part of the Division staff. The institute and short course differs from the conference in that intensified study is given to solving problems pertaining to one type of business or profession with the interested members bringing up practical problems which have occurred in their own line of endeavor. Many favorable comments were received concerning these specialized activities. More special institutes are asked for each year. Classroom space is becoming the determining factor as to whether institutes and short courses can or cannot be developed by the Division.

In addition to facilities used by conferences, institutes, and short courses, there are many requests from private and civic organizations and clubs for meeting room space. These requests are for space during the day as well as night. Such requests were granted if space was available. A schedule of charges has been developed for all meeting rooms according to size and furnishings. Non-university connected organizations and groups are charged nominal fees for use of meeting facilities.

III. Community Services

The Community Service Section of the Division of Extension was involved in making University facilities available for programs and activities of the following nature:

Fourth of July Celebration in the University Stadium,
Lectures on many subjects in the Johnson Gymnasium and
Anthropology Lecture Hall,
Music Concerts in the Fine Arts Auditorium, Johnson
Gymnasium, Anthropology Lecture Hall, and the Kiva,
Sports Events at the University Stadium and the Johnson
Gymnasium,
Use of facilities by the Albuquerque Public Schools for
Baccalaureate and Commencement,
Facilities as precincts on Election Days,
Homecoming Activities, and
Use of facilities for The University of New Mexico
students' extra-curricular activities, and
Regional Science Fair.

Such activities and events are sponsored by people or groups of people from Albuquerque and vicinity from the State and use facilities on the University campus when available. These facilities usually include the Fine Arts Building, Johnson Gymnasium, Carlisle Gymnasium, the University Stadium, the Kiva, and the Anthropology-, Science-, and Geology Lecture Halls.

IV. Summary

The activities of this Department in the Division of Extension involved over 55,000 persons during the academic year 1965-66. This is a slight increase over the previous academic year, but limited space for Adult Educational Activities has caused a big drop in the number of activities. There is still a large public following and good will must be kept. We will do the best we can to meet the increasing demand for services to the community.

There was an increased interest in institutes and short courses during the past year. Plans for some large institutes and conferences for next year have already begun. This increase is occurring even though many activities will have to be scheduled off campus and at times when the University is not in session and during vacation periods.

It is the intention of this Division to continue to use available facilities on weekends and during vacation periods for as many continuing adult education activities as space will allow. Such a plan of action is necessary in order to keep up good public relations which are already established.

THE 1966 SUMMER SESSION

1. Statistical Analysis

The 1966 summer session closed with a total enrollment of 4882 students. This is an increase of 166 students or 3.60% over the figure of 4616 students enrolled in 1965. Enrollment figures in the 1966 graduate program showed an increase of 6.96% and the 1966 undergraduate enrollment was 5.17% above figures in 1965.

In the next chart, you get a picture of the enrollments during the last seven years. The number of out-of-state and foreign students shows a slight decrease even though we are making every effort to encourage their attendance.

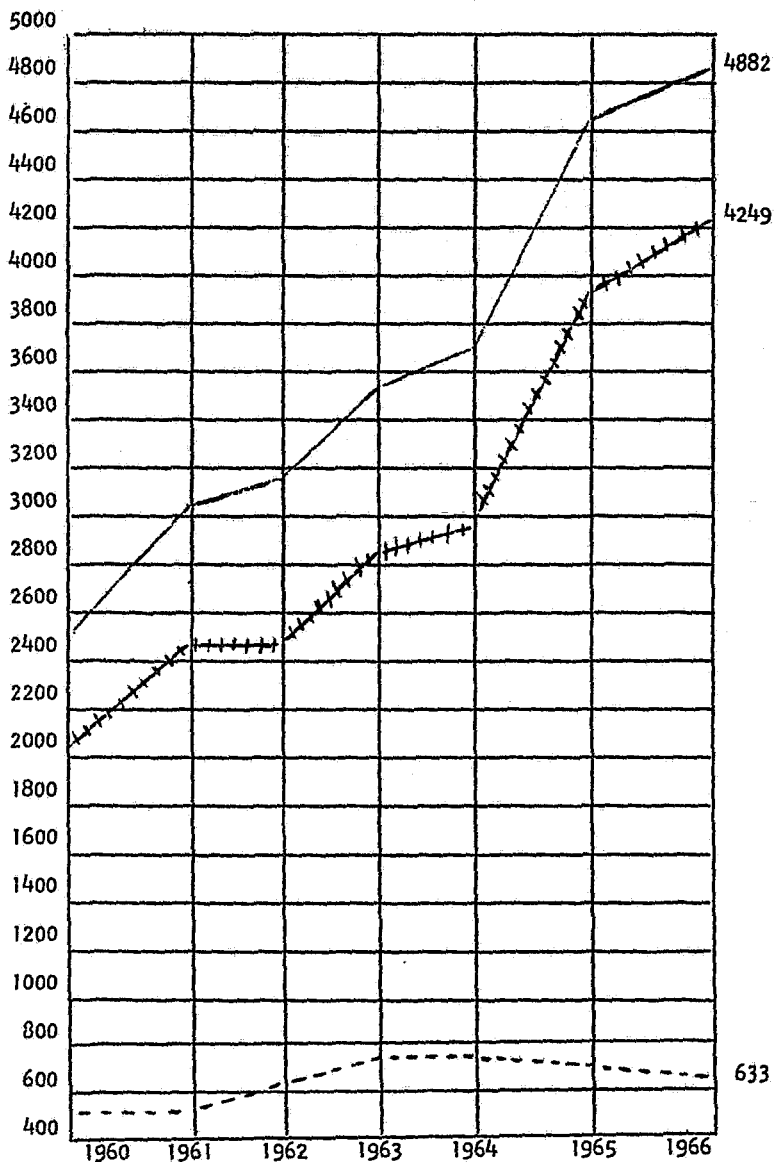
COMPARISONS OF ENROLLMENTS IN SUMMER SESSION
FOR THE LAST SEVEN YEARS - 1960-1966

Enrollments	1960	1961	1962	1963	1964	1965	1966
Total	2560	3049	3191	3519	3743	4616	4882
Men	1391	1432	1616	1717	1956	2317	2478
Women	1169	1617	1575	1802	1787	2299	2404
Home State	2064	2540	2525	2824	2992	3917	4249
Out-Of-State and Foreign	496	509	666	695	751	699	633
Undergraduate	1556	1949	1945	2216	2468	3035	3192
Graduate	1004	1100	1246	1303	1275	1581	1690

The three graphs which follow are visual and depict enrollment figures for the last seven years:

GRAPH I
SUMMER SESSION ENROLLMENTS

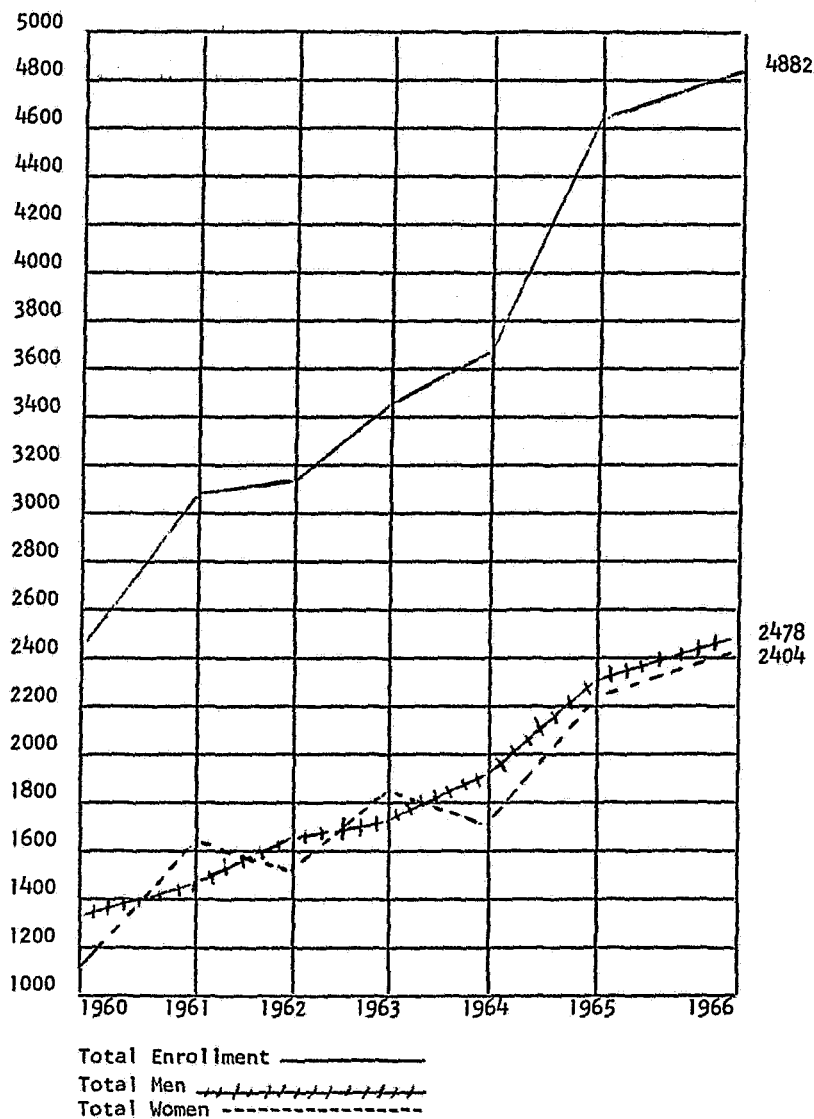
Number of
Students



Total Enrollments —————
Home State Enrollments +++++++
Out-of-State & Foreign Enrollments - - - - -

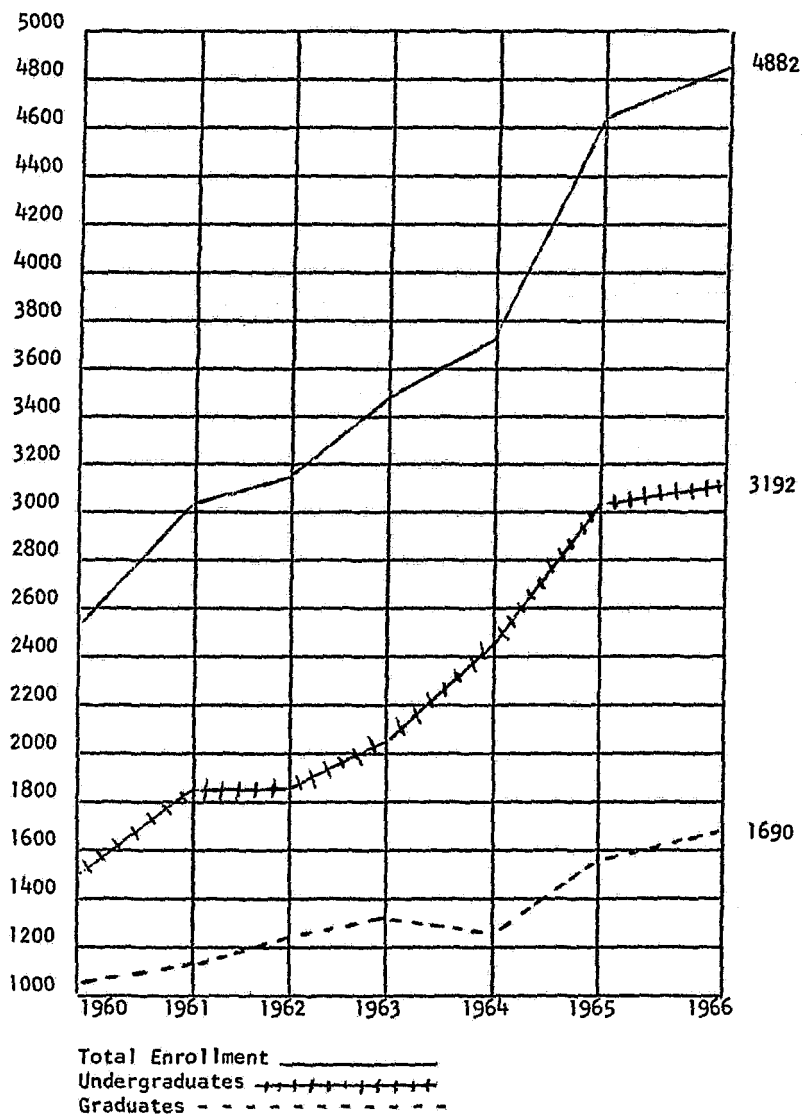
GRAPH 11
SUMMER SESSION ENROLLMENTS

Number of
Students



GRAPH III
SUMMER SESSION ENROLLMENTS

Number of
Students



Enrollment figures for the summers of 1957 through 1966 are listed below with the percentage of resident and non-resident students noted as well as the percentage of those who attended as graduate students.

Year	Total	% Resident	% Non-Resident	Graduate	% Graduate
1957	1962	85.0	15.0	608	30.98
1958	2334	86.0	14.0	749	32.09
1959	2263	81.0	19.0	824	36.41
1960	2560	81.0	19.0	1004	39.22
1961	3049	83.3	16.7	1100	36.08
1962	3191	79.13	20.87	1246	39.05
1963	3519	80.22	19.78	1303	37.83
1964	3743	79.94	20.06	1275	34.06
1965	4616	84.86	15.14	1581	34.25
1966	4882	87.03	12.97	1690	34.62

The chart below shows a breakdown of enrollments by colleges:

COMPARISON OF 1966 SUMMER SESSION ENROLLMENTS BY COLLEGES

College	Men	Women	Total
University	391	388	779
Arts and Sciences	368	254	622
Business Administration	97	14	111
Education	107	335	442
Engineering	204	3	207
Fine Arts	57	48	105
Nursing	0	26	26
Pharmacy	30	13	43
Graduate	907	783	1690
Law	1	0	1
Non-Degree	<u>316</u>	<u>540</u>	<u>856</u>
TOTALS:	2478	2404	4882

Enrollment figures for workshops and concentrated courses of three weeks' duration or less are shown on the following chart:

<u>Title of Workshop</u>	<u>Length of Workshop</u>	<u>Total Enrollment</u>
Span J555 (Techniques of Language Lab)	2 weeks	23
Psych J417 (Programmed Learning)	2 weeks	36
Speech J560 (Audio in Hearing Conser- vation)	2 weeks	20
El Ed T319 (Physical Education in the Elementary School)	2 weeks	48
Sec Ed G429 (Vocational Education)	2 weeks	34
Sec Ed G429 (Aero Space)	2 weeks	14
Sec Ed T429 (Radiological Monitoring for Instructors)	2 weeks	8
Art Ed L429 (Painting in the Classroom)	2 weeks	36
Ed Adm G529 (The Development and Admin- istration of Federal Programs)	1 week	30
Ed Adm G429 (School Plant Problems)	1 week	34
Guid L429 (Guidance in the Elementary School)	2 weeks	61
Guid L429 (Guidance for the Culturally Disadvantaged)	2 weeks	40
Guid G429 (Special Education)	2 weeks	42
P. E. L529 (Facility Design in Physical Education)	2 weeks	43
Home Ec L429 (Working with Low Income Families)	2 weeks	31
Mus Ed G429 (Music Workshop for Pre-School Children)	2 weeks	54
Phil G429 (Aesthetics Institute)	1 week	16
P. E. 429 (Athletic Coaching)	1 week	11
Guid J429 (Vocation Guidance Institute)	3 weeks	30

The geographical summary for the regular 1966 summer session is shown in the chart that follows:

<u>Geographic Summary</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
New Mexico	2100	2149	4249
Other States	316	245	561
Territories and Foreign Countries	<u>62</u>	<u>10</u>	<u>72</u>
TOTALS:	2478	2404	4882

In 1966 senior enrollment decreased from 599 in 1965 to 536; junior enrollment increased from 494 in 1965 to 620; sophomore enrollment increased from 540 in 1965 to 799; and freshmen enrollment was 366 in 1965 and remained the same in 1966. Non-Degree enrollments decreased from 941 in 1965 to 856.

Special effort was again put forth to attract high school graduates to the University. Special brochures were prepared and made available to these graduates.

One significant statistic which definitely reveals the growth of the 1966 summer session is found in the increase of total credit hours from 24,438 in 1965 to 26,130 in 1966. The full-time equivalent based on eight credit hours in 1965 was 3,055, while in 1966 it was 3,266.

Again in 1966, the faculty salaries were based on 20% of the annual salary, but the maximum was set at \$2,600 instead of \$2,400 as it was in 1965.

11. Staff

The 1966 Summer Session employed 195 resident faculty members as contrasted with 191 in 1965, and 53 qualified visiting professors; whereas, we had 42 in 1965 to serve in the departments where outside help was

Heeded. The following were members of the Guest Faculty for the 1966

Summer Session:

L. Charles Bernardoni, Ph.D., Arizona State, Tempe, Arizona. Associate Professor, Mankato State Teachers College, Mankato, Minnesota.

Richard M. Burnett, Associate Director of Personnel, Albuquerque Public Schools, Albuquerque, New Mexico.

Wesley Chamberlin, M.A., University of California at Los Angeles. Teaching in San Francisco State College.

Wesley Childers, Ph.D., University of Chicago. Professor of Spanish, Parsons College, Fairfield, Iowa.

Stephen H. Crandall, Ph.D., Massachusetts Institute of Technology. Professor of Mechanical Engineering, Massachusetts Institute of Technology.

Phyllis J. DeLano, Ed.D., Teachers College, Columbia. Teaching Child Development, Nursery School Education and General Psychology, Centenary College for Women, Hackettstown, New Jersey.

Guy Duckworth, Ed.D., Columbia University. Professor of Piano and Chairman of the Preparatory Piano Department, Northwestern University, Evanston, Illinois.

William Earl Field, Jr., Professor of Psychiatric Nursing, University of Texas.

Alice Frederick, M.A., University of California. District Librarian, Orinda, California.

James W. Gardner, M.A., University of North Carolina. Part-time instructor in Literature, Extension Division, University of North Carolina.

Frank C. Gentry, Ph.D., University of Illinois. Professor of Mathematics, College of the Pacific, Stockton, California.

Harold R. Goff, M.A., University of New Mexico. Principal, Grant Junior High School, Albuquerque, New Mexico.

Gloria Griffin, Graduate Assistant in Education, Northwestern University, Evanston, Illinois.

Burton Henry, Ph.D., University of Southern California. Professor of Education, Los Angeles State College.

Fred T. Hinger, M.A., Colorado State, Greeley, Colorado. Director of Physical Education and Recreation, State Department of Education, Santa Fe, New Mexico.

- Edwin J. Holbrook, Teaching in Santa Domingo School, Algodones, New Mexico.
- Mildred Hoyt, Ph.D., Stanford University, Teaching Old Dominion College, Norfolk, Virginia.
- Jim Hughey, Ph.D., Purdue University, Teaching Assistant, Purdue University.
- Harold E. Kenney, Ed.D., George Peabody College for Teachers. Assistant Dean, College of Physical Education, University of Illinois.
- Lloyd E. Lamb, Ph.D., Purdue University. Audiologist, Louisiana State Medical School.
- Jean Legant, Ph.D., University of New Mexico. Teaching in La Luz Elementary School.
- Y. K. Liu, Ph.D., Stanford University. Professor of Aeronautics and Astronautics, University of Illinois.
- John Logan, M.A., University of Iowa. Teacher, Lecturer and Writer. Teaching San Francisco State College.
- Camille McRae, Guidance Consultant, Albuquerque Public Schools, Albuquerque, New Mexico.
- Philip A. Macklin, Ph.D., Columbia University. Professor of Physics, Miami University, Oxford, Ohio.
- Leonard Metzger, Ph.D., University of Wisconsin. Assistant Professor of Sociology, Vassar College.
- Harold D. Meyer, L.H.D., Catawba University, Salisbury, North Carolina. Chairman of Health, Physical Education, and Recreation, University of North Carolina.
- Ross W. Miller, M.A., Auburn University. Assistant Professor of Education, West Georgia College.
- Lawrence Mills, Ph.D., University of Iowa. Chairman of the Department of Art, Central College, Pella, Iowa.
- C. Preston Mitchell, Audio-Visual Consultant, Albuquerque Public Schools, Albuquerque, New Mexico.
- Mildred Morgan, Ph.D., University of Iowa. Consultant for the North Carolina Council of Family Relations.
- Albert Morris, M.A., Boston University. Professor and Chairman of Sociology and Anthropology, Boston University.
- John Narciso, Director, University Counseling Center and Professor of Psychology, Trinity University, San Antonio, Texas.

- David Newhall, Ph.D., Princeton University. Chairman, Department of Philosophy, Portland State College.
- Walter G. O'Donnell, Ph.D., Columbia University, New York. Professor of Management, University of Massachusetts.
- Neal Osborn, Department of Biology, Southern Colorado State College, Pueblo, Colorado.
- Billy Patton, Director of Guidance, Albuquerque Public Schools, Albuquerque, New Mexico.
- Lynn Plumlee, Ph.D., University of Chicago. Research and Testing Division, Sandia Corporation, Albuquerque, New Mexico.
- Anthony Purley, Teaching in Laguna-Acoma Junior-Senior High School, New Laguna, New Mexico.
- Melvin Rader, Ph.D., University of Washington. Professor of Philosophy, University of Washington, Seattle, Washington.
- Lawrence Reck, Director, Audio Visual Center, Wisconsin State University, Eau Claire, Wisconsin.
- Masanobu Shinozuka, Ph.D., Columbia University. Associate Professor of Civil Engineering, Columbia University.
- Robert J. Sickels, Ph.D., Johns Hopkins University. Associate Professor of Political Science, Purdue University.
- Charles Smith, M.A., Colorado State College. Teaching in Denver Secondary Schools, Denver, Colorado.
- Dale M. Smith, Ph.D., Indiana University. Plant Taxonomist, University of California, Santa Barbara, California.
- Wallace Strevell, Ed.D., Teachers College, Columbia University, Chairman of the Department of Education and Administration, University of Houston, Houston, Texas.
- Frank Walker, Chairman of the Art Department, Valley High School, Albuquerque, New Mexico.
- Jean Warren, Ph.D., Cornell University, Retired Professor from Cornell University.
- Drage Watson, Assistant Superintendent, Pupil Personnel Services, Albuquerque Public Schools, Albuquerque, New Mexico.
- Robert H. White, Ph.D., University of Arizona. Teaching in Palo Verde High School, Tucson, Arizona.
- J. D. Whittington, Teaching in Lovington High School, Lovington, New Mexico.

William Wright, Ed.D., Colorado State Teachers College, Greeley,
Colorado. Principal, Albuquerque High School, Albuquerque, New
Mexico:

Gordon Zich, M.A., Wisconsin State University, Superior, Wisconsin.
Teaching Assistant, University of Illinois.

III. Special Events

The program of special events, Summer Fare, 1966 Summer Session, was especially well received. The attendance at these events increased over 1965 with 19,885 people attending, compared to 19,805 people attending in 1965. This is an increase of 80 people. These events proved entertaining as well as educational. The following are considered worthy of note:

A. Lectures Under the Stars

These lectures were held on the patio in front of the Administration Building and were exceptionally well attended considering the unusual poor weather conditions with a total of 5,800 people.

<u>Date</u>	<u>Title</u>	<u>Speaker</u>	<u>Attendance</u>
June 27	"Survival in a Divided World"	John Furbay	1100
July 11	"Impact of Leisure on the American Society"	Harold Meyer	950
July 18	"London"	W. E. Gowan	900
July 25	"Poetry and the Poet"	John Logan	950
Aug. 1	"Interpretation of Democracy"	David Newhall	1100
Aug. 8	"Latin America--The Power Unknown"	Don Bolt	800
TOTAL ATTENDANCE:			5800

B. Musical Events

The University of New Mexico Band, under the direction of James Whitlow, held two summer concerts on July 13 and August 3. Dr. Kurt Frederick presented the UNM Orchestra in a Chamber Orchestra on July 23, and a Summer Orchestra on August 5. Attendance at the several musical events was approximately 1100.

C. Special Attractions

The Special Attractions, arranged by the Union Activities Director, were very well received by the students and the public.

<u>Date</u>	<u>Attraction</u>	<u>Attendance</u>
July 6	Summer Fare Rock 'n Roll Dance	280
July 7	Folk Thing III	780
July 21	Hootenanny	1200
July 28	Larry Rehling Puppet Show	600
Aug. 1	Patio Dance	330
TOTAL:		3190

D. Movies

The movies, arranged for by the Union Activities Director, were presented in the Union Ballroom. The movies were well attended, particularly by young people. The following were the movies presented:

<u>Date</u>	<u>Title</u>	<u>Attendance</u>
<u>Film Fare</u>		
July 1	"Flower Drum Song"	366
July 8	"Take Her She's Mine"	255
July 15	"Fall of the Roman Empire"	339
July 22	"Guys and Dolls"	372
July 29	"Gone are the Days"	183
August 5	"Mein Kampf"	458
August 12	"Seven Faces of Dr. Lao"	380

Film Classics

July 5	"Mae West -- She Done Him Wrong"	196
July 12	"Seven Brides for Seven Brothers"	389
July 19	"Ivanhoe"	402
July 26	"Mark of Zorro"	316
August 2	"War of the Worlds"	385
August 9	"Quo Vadis"	362

Foreign Films

July 7	"Lazorillo" (Spanish)	280
July 14	"Hiroshima Man Amour" (French)	371
July 28	"Ballad of a Soldier" (U.S.S.R.)	363
August 4	"Joan of the Angels" (Polish)	220
August 11	"Two Women" (Italian)	353

TOTAL: 5990

E. Recreational Swimming Pool

The summer's swimming program was under the direction of Mr. Robert K. Barney. Recreational swimming was enjoyed by 5005 individuals during the summer. Although the 100 swimmer limit was reached at only one time during the entire summer program, a speedy remedy was found and instrumented. Waiting swimmers were admitted into the pool immediately replacing those who had been there for quite some time. However, Mr. Barney recommended that in future summer sessions it perhaps might be well to consider a time interval, sometime in the late afternoon, during which only adults can swim. This adult swim will serve two important needs. (1) Youngsters will be eliminated from swimming during or near supper meal time. (2) Adults could enjoy a refreshing swim after a day's work without being harassed by the play of the younger people.

F. Swimming for Children

An enrollment of 115 children, as compared with 107 in 1965, participated in the six swimming classes taught under the supervision of Jean Brown and Elaine Lane. Classes in beginning, advanced beginning, intermediate, and junior lifesaving were held. Each class lasted for a full eight-week session. The participants were all children of University employees and students.

G. Summer Sports Fitness School

A selected group of 97 boys and girls, ages 9 through 13, took part in a program of sports-fitness at the University of New Mexico this summer. The emphasis of this program was upon sports and fitness under the supervision of six specialists who helped the boys and girls understand and develop the key elements in motor performance. Expert instruction in the following areas of sports-fitness education were

offered: physique, organic capacity, motor efficiency, performance, understanding, self-control, and motivation for endurance. A four-day trip to the Pecos Wilderness was included in the program. The program was directed by Professor W. A. Bynum from June 27 to August 19.

H. Children's Adventures in Education

The children's program had a total attendance of 1,532 children. The children's activities were conducted in the Carlisle Gymnasium. The children were organized into groups--some meeting in mornings, some in afternoons, on Mondays, Wednesdays, and Fridays, from July 6 to August 16. The activities included field trips, movies, arts and crafts, story hours, and musical programs. The enthusiastic reception of this program should insure its continuation but due to lack of facilities and staff the program should be curtailed to include the children of staff, faculty, and students only.

I. Art for Children

The Department of Art Education again sponsored two classes for children taught under the supervision of Ruth Ann Dutton. One class was for 7 and 8 year olds, and the other class included children 9, 10, and 11 years old, with a limit of 20 children in each class.

J. Field School in Archaeology and Ethnology

The summer Field School of the Department of Anthropology, under the direction of Dr. Florence Hawley Ellis, was conducted at the site of the Ghost Ranch, northwest of Abiquiu, New Mexico. Forty-five students were enrolled in the session.

K. Summer Music Festival

The sixteenth annual Junior High School Division of the Summer Music Festival was held from June 12 to June 18, 1966, under the direction of

Professor Dale Kempter. The division of the high school students was held at the D. H. Lawrence Ranch in Taos, New Mexico. The Southwestern Music Ranch scheduled two divisions from August 7 to 13, 1966. The Senior High Band Division met from August 4 to 20, followed by the Choral-Orchestra Division from August 7 to 13.

L. New Mexico Bookmen Exhibit

The New Mexico Bookmen's Association held its annual exhibit of books and teaching materials on the campus June 30 and July 1, 1966. Five different companies were represented.

M. Radiation Biology Institutes

The University of New Mexico, the National Science Foundation, and the Atomic Energy Commission conducted a Summer Science Institute from June 27 to August 19, 1966. A new Field Botany Institute for Secondary School Teachers was held in Taos at the Lawrence Ranch. Twenty-six teachers attended. The Institute for College Teachers was open to 17 college teachers of biology which was a concentrated review of mathematics, physics, and biology. These Institutes were under the direction of Dr. Loren Potter. Dr. Wm. C. Martin directed the Field Botany Institute.

N. Mathematics Institute

The Department of Mathematics of the University of New Mexico in cooperation with the National Science Foundation offered a Mathematics Institute for High School and Junior High School Teachers from June 27 to August 19, 1966 under the direction of Dr. Merle Mitchell. Many of the participants in the 1963, 1964, 1965 Institutes were invited to return.

O. NDEA English Institute

Under the provisions of Title XI, National Defense Education Act Amendments, The University of New Mexico entered into a contract with the U. S. Office of Education for the conduction of a 1966 Summer Institute

for secondary teachers of English. This Institute was held from June 27 to August 19 under the direction of Dr. Peter Prouse. A total of 40 teachers attended the Institute. Special lectures and various social and cultural events augmented the basic program.

P. Data Processing

The third class of the 14-month technical program in administrative data processing commenced its training at the start of the regular summer session, 1966. This program is under the direction of the College of Business Administration, and it is further described under the Annual Report of the Data Processing Center.

Q. Civil Engineering Institute

The Department of Civil Engineering of the University of New Mexico in cooperation with the National Science Foundation held a Summer Institute for college teachers of structural engineering and applied mechanics during the regular summer session, June 20-August 12. Preference was given to teachers who, in the opinion of the staff, were most benefited as college teachers of engineering.

R. Media Institute

In cooperation with the U. S. Office of Education under provisions of Title XI, National Defense Education Act as amended, an Institute for Educational Media Supervisors was held from June 27 to August 19 under the direction of Dr. Peter Helfert in the University of New Mexico's new Instructional Materials Center. The instructional components of the summer program included approximately 48 contact hours in audio-visual materials and techniques, 48 hours in materials preparation and production, 24 hours in audio-visual services and administration, and 24 hours in specialized learning theory and programmed instruction. Forty-four qualified students were involved in this Institute.

S. Disadvantaged Pueblo Indian Children

An Institute for Advanced Study for Teachers and Supervisors of Disadvantaged Pueblo Indian Children authorized and funded under the National Defense Education Act, Title XI directed by Dr. LeRoy Condie was held from June 20 to July 29. The major activities for the 37 enrolled in this institute included observation and practice teaching of a classroom of Pueblo children. A number of field trips were made including visits to New Mexico Pueblo villages and the Institute of American Indian Arts at Santa Fe.

CAMPUS SERVICE

Audio-Visual Center

Equipment, materials, and services were provided by the Audio-Visual Center to all the academic departments of the University during the reporting period. Supported by statistics to be given, indications are that the center is effectively serving the purposes for which it is organized and also an indication that members of the University faculty are making more use of audio-visual aids in their teaching.

On-campus service, day and night, seven days a week, to the various departments, the non-credit program, conferences, and institutes, programs directly associated with the University, such as the Child Guidance Center, Dental Program, Civil Defense, VISTA, and the Peace Corps, shows a total of 3697 hours of use for all audio-visual aids. This is an increase of 9% over last year's total. A breakdown of the number of hours each type of equipment was used is given below:

<u>Type of Equipment</u>	<u>1964-65</u>	<u>1965-66</u>
16 mm Projectors	1395	1575
Overhead Projectors	375	424
2x2 Projectors	368	416
Tape Recorders	159	186
Opaque Projectors	196	153
Record Players	221	249
3½x4 Projectors	317	328
P.A. System	57	78
MP3 Polaroid Camera & Copy Stand	305	288

As indicated by these figures, the most widely-used audio-visual material is the 16 mm sound motion picture film.

A total of 1752 educational films were shown during the year, an increase of 11.52% over last year. Of these, 1575, as contrasted with 1069 in 1964-65, were rented or borrowed through this office from outside agencies.

The following two charts show the increases in Audio-Visual Center activities over the last five years:

HOURS OF USE FOR ALL AUDIO-VISUAL AIDS
(Except Films)

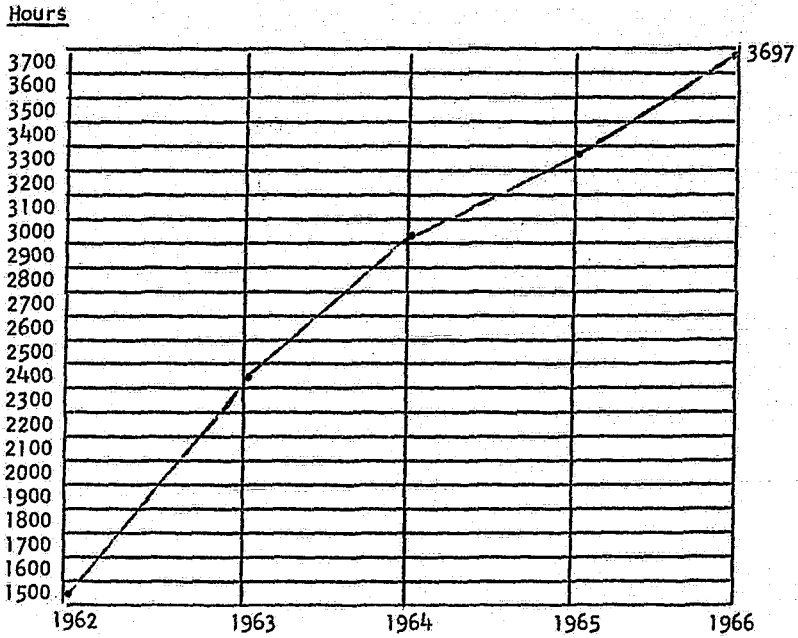
<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
1550 hrs.	2465 hrs.	2925 hrs.	3393 hrs.	3697 hrs.
5.23%	59.03%	18.66%	16%	9%

NUMBER OF FILMS USED

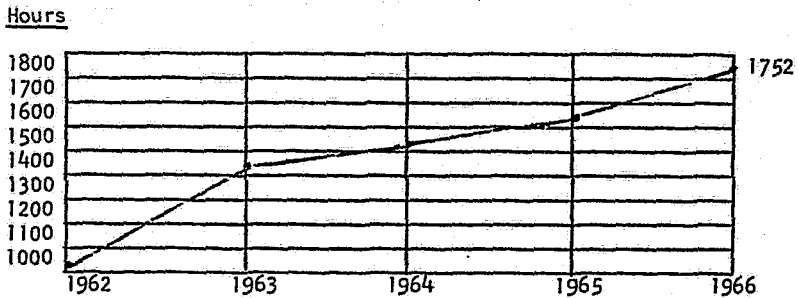
<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
1038	1379	1462	1571	1752
12.45%	32.85%	6%	7.5%	11.52%

The graphs on the following page illustrate the above charts more dramatically, particularly in showing the continued increase in services since 1962.

HOURS OF USE OF ALL AUDIO-VISUAL AIDS 1962-66
(Except Films)



NUMBER OF FILMS USED 1962-66



The following materials were acquired: Eighteen 16 mm sound films, four filmstrips and twelve long-play records. The following equipment was purchased:

- Three 16 mm projectors,
- Four 35 mm strip-slide projectors,
- Two overhead projectors,
- Four projection screens,
- Two opaque projectors,
- One tape recorder,
- Two record players,
- One porta sound,
- One filmstrip cabinet, and
- Numerous projection lamps, replacement parts, and graphic supplies.

The film library has been designated a film depository for NASA and UNESCO films which accounts for six of the previously mentioned 16 mm films. As a film depository the UNM film library can further serve the University and the community. Another film acquisition is, Campus Crossroads, a film done by Dean Springer of the Graduate Office.

A mimeographed film catalog was distributed to all departments on campus during the second semester. This was a revision of an earlier catalog and consisted of 60 pages. All films, filmstrips, slides, recordings, and tapes are listed with brief descriptions.

During the past year, seven students were employed on a part-time basis, for ordering, scheduling and showing films, operation, and maintenance of equipment, and care of materials. One of these persons was employed through the work-study program.

TAOS COUNTY PROPERTIES

1. Harwood Foundation

A. The Harwood Advisory Board:

Dr. Harold O. Ried. The University of New Mexico
 Carl Paak The University of New Mexico
 Doel Reed, President. Taos, New Mexico
 Mrs. George Reynolds Taos, New Mexico
 Tom Humphreys. Taos, New Mexico
 Paul Keith. Taos, New Mexico
 Milford Greer. Taos, New Mexico
 Mrs. Joe A. Sanchez. Taos, New Mexico

B. Personnel of the Harwood Foundation:

Mrs. Toni Tarleton. Director and Librarian
 Mrs. Kathleen Dicus. Part-time Secretary
 Mrs. Jean Brooks. Part-time Librarian
 Luciano Sisneros Custodian

C. Dates of Regular Meetings of the Harwood Advisory Board:

Second Friday in January, April, July, and October. Special meetings on call.

D. Physical Plant:

1. Outside Maintenance

a. Roofing:

Put roofing on Degen House. Mopped roofs of Apartments 1, 2, 3, and 4, with tar.

b. Miscellaneous:

Plastered garden walls. Patched up fire walls around building. Painted windows and doors outside on south side. Plastered porch on front of Apartment 3. Built screen door for Apartment 2 and window screen for Apartment 3. Repaired all window screens and doors of entire plant. Repaired the landing of sun porch of Apartment 3. Dug-blocked up sewer line during freeze. Shovelled snow many times during the winter. Plastered chimney on Apartment 2. Patched fire walls on Apartment 8. Cleaned up front and back yards in the spring, pruned trees, etc. Repaired the landing of Apartment 9 and the steps of same. Repaired patio lights.

2. Inside Maintenance

- a. Installed traverse rods on which to hang new blackout curtains at rear of Main Gallery. Repaired three switches. Installed new drain board in kitchen of Apartment 6. Plastered fireplaces in Apartment 3 and 4. Repaired many chairs and replaced several leather seats completely. Thoroughly cleaned cook stove in Apartment 4. Replaced heater in Apartment 3. Helped get Small Gallery ready for Christmas Craft Show, putting up tables, horses, screens, etc. Repaired piece of flooring in rest room in Apartment 6 and installed new sill. Rebuilt blackboard. Painted kitchen in main building. Built bookshelves in Apartment 7 for storage of library books. Painted new bookshelves installed in library. Scrubbed and waxed floors in Main Gallery, Small Gallery, Library, Art Nook, and Community Room several times during year. Painted living room in Apartment 3. Did spring cleaning in Library and entire first floor, scrubbing vigas, etc. Oiled floor in Library and Community Rooms. Removed heater and pipes and replastered holes, in Bookmobile Office. Cleaned both furnaces before heating was turned on in fall.

Made many trips to village dump. Picked up books and magazines from donors. Picked up mail daily and mailed books, etc. Picked up books from Taos Book Shop, also Taos newspapers twice weekly.

II. Activities

A. Galleries:

Exhibits in galleries are open from 10 a.m. to 5 p.m. from Monday through Saturday.

Most Important Events Scheduled in Gallery and Harwood Room

1965

July 11 -	Opening of THE IDEA OF FOLK ART from Folk
Aug. 10	Art Museum, Santa Fe, with reception
July 10, 20, 21	Eye Clinic under auspices of the Welfare Department
July 29	Welfare Department meetings
Aug. 15	Meeting of the War Mothers
Aug. 24	Custodial Workshop under auspices of U.N.M.
Sept. 5	Ranchitos Community Meeting
Sept. 28	"An Evening with Frieda Lawrence," taped British Broadcasting Company broadcast--admission charged for benefit of Book Fund
Oct. 9	Committee for the Aged - meeting
Oct. 11	Friends of Taos Valley - meeting
Oct. 18, 19, & 20	Employment Security Commission - Appeals Tribunal

Oct. 18 Taos County Heart Association meeting
 Oct. 25-31 Taos Little Theatre rehearsals
 Oct. 27 Women's Bowling Association meeting
 Nov. 5 All participants in the Custodial Workshop held at the Lawrence Ranch visited the Harwood and were shown the entire plant, including the Degen House
 Nov. 8 Friends of Taos Valley - meeting
 Nov. 10 Taos Travel Agency - showing of travel films free to public
 Nov. 23 "The Titan" - film on Michelangelo - under auspices of Harwood Advisory Board - benefit Harwood Improvement Fund
 Nov. 27 - Opening of annual Christmas Craft Show with
 Dec. 21 Bake Sale - refreshments served
 Dec. 6 Lecture under auspices of Helene Wurlitzer Foundation - "Primitive and Western Art" - J. J. Brody, U.N.M.
 Dec. 10-18 Taos Little Theatre - rehearsals for Christmas program.
 Dec. 18 Taos Little Theatre Christmas Program - Los Pastores - refreshments served
 Dec. 22 Taos Opera Guild Tea and Drawing for winner of Dasburg picture donated by him for the benefit of the Santa Fe Opera
 Dec. 30 Training Program under auspices of Welfare Department - 40 people

1966

Jan. 11 Poetry Reading - Robert Sward
 Jan. 13 Taos Office Training School Graduation
 Jan. 21 Film showing under auspices of Rogers Foundation
 "Throne of Blood" - Japanese
 Jan. 23 Ranchitos Community Meeting
 Jan. 30 Concert for Benefit of Harwood Improvement Fund - Hector Garcia, Guitarist - Refreshments
 Feb. 15 & 22 Home Extension Meeting with instruction on Medicare program
 March 1, 15, Home Extension meetings with instruction on
 22, & 29 Medicare program
 March 4 State Highway Department meetings
 March 6 Opening of Baumann-Reed show from Museum of New Mexico with reception - refreshments
 March 18 Film showing under auspices of Rogers Foundation
 "Sound of Trumpets"
 March 24 Teachers' Aid Program - graduation exercises
 April 5 Taos Garden Club Meeting with speaker and demonstration
 April 17 Annual Silver Tea Benefit for Book Fund
 April 19 & 26 Home Extension meetings with instruction on Medicare program.
 April 21 Meeting on Beautification
 April 22 Film showing under auspices of Rogers Foundation
 "Two Daughters" - India
 April 23 Republican Central Committee Meeting

April 29	State Highway Department meetings
May 3	Program entitled "Exploring the Arts" sponsored jointly by T.A.A. and Crossroads Taos (Wurlitzer Foundation)
May 7	Program of slides with commentary "This Was Taos" by Joe Mazzulla of Denver - Benefit of Harwood Book Fund
May 12	Film showing under sponsorship of Ministerial Alliance
May 26	Taos Little Theatre Annual Meeting with Workshop - refreshments
May 27	Film showing with lecture on making of color woodblocks - Domjan - benefit of Harwood Improvement Fund
June 3	Northern Regional Library Association Board meeting
June 5	Northern New Mexico Burial and Memorial Society meeting
June 10	Taos County Historical Society Annual Meeting - film showing and lecture
June 14	Friends of Taos Valley annual meeting
June 20-24	Dr. Alexander's Aesthetic Institute
June 26	Taos Little Theatre's presentation of "The Man Who Married a Dumb Wife" - benefit of Taos Opera Guild - refreshments
June 29	Northern N.M. Burial and Memorial Society meeting

Regularly Scheduled Events in Gallery and Harwood Room

Every second Tuesday	Disabled American Veterans
Every second Wednesday	Veterans of Foreign Wars
Every Thursday	Alcoholics Anonymous
First Friday	American Federation of Teachers
Fourth Friday	Taos County Historical Society
Every second Friday	Women's Auxiliary V.F.W.
Every Saturday	French classes

Additions to Harwood Permanent Collection

A piece of sculpture (in ultracal) entitled "Taos Deer Dance" by Hans Kastler, valued at \$600.00.

A piece of sculpture entitled "Head of D. H. Lawrence" by Ida Rauh, and valued at \$700.00.

A piece of sculpture entitled "Head of Mary Austin" by Ida Rauh, valued at \$500.00.

III. Library

A. Hours:

10:00 a.m. to 5:00 p.m., Monday through Friday.
10:00 a.m. to 4:30 p.m., Saturday.
Closed Sunday.

B. Employees:

Two part-time in Main Library: Toni Tarleton and Jean Brooks,
with assistance from the secretary, Kathleen Dicus.

C. Circulation:

1965-1966. 25,980

D. Books Given to Library:

1965-1966. 652
Total volumes in library as of June 1966 15,510

E. Other Gifts to Library for Harwood Foundation Book Fund:

Cash donations and money raising projects,
including fines and rentals. \$ 1,527.76
Received from Village of Taos -
children's books to value of. \$ 400.00
Received from State Library Extension
Matching Funds \$ 200.00

F. Books Accessioned:

1965-1966 1,034
Amount spent on books and bindings \$ 1,634.49
Amount spent on periodicals \$ 181.40

G. Subscriptions to Weekly and Monthly Periodicals: . . . 72

H. National Library Week:

Active participation. Posters placed in town. Bookmarks
placed in all books checked out during two-week period.
Publicity in local newspaper and on radio. Open house with
silver tea for benefit of Book Fund.

I. Number of Registered Borrowers: 3,200

Many books were borrowed on Inter-Library Loans. There were
76 cards issued to temporary visitors.

Standing Library Committee was active and met at intervals.
Dr. Henry A. Sauerwein, Chairman.

IV. Rentals:

Apartments \$ 3,582.50

V. Utilities

Electricity	\$ 597.91
Water and Sewer	\$ 327.54
Telephone	\$ 218.23
Gas (Propane)	\$ 1,367.40
Garbage Disposal	\$ 60.00

VI. The Degen Property

The Degen Property continues to be leased to Mr. Don Blair for the Blair Art Galleries.

VII. D. H. Lawrence Ranch

The Ranch continues to be used by faculty, staff, and alumni for camping and relaxation. At the present time there are four types of lodging available: 4 double cottages, 3 single cottages have been added giving us 14 single cottages, 2 Dallas huts, and 4 campsites. A small rental fee is charged for use of these facilities. During the 1965-66 year, 312 applicants made reservations for use of the facilities. This involved 1,028 adults and 520 children as compared with 102 applicants including 202 adults and 137 children during the 1964-65 year. In addition to these applicants, some reservations were scheduled directly at the Ranch if facilities were available.

Besides personal use by faculty, staff, and alumni, the Ranch was the site for the following activities:

Civil Engineering Recreational Trip	July 10, 1965
N.D.E.A. One-Day Trip	August 1965
Band Clinic	August 8-20, 1965
UNM Custodian Workshop	August 22-24, 1965
Fraternity Council	October 9 & 10, 1965
Biology Field Trip	October 16, 1965

Superintendent/Foreman Meeting
 Alumni Association
 Management Training Program
 Philosophy Institute
 Field Botany Institute

November 4-6, 1965
 May 13-15, 1966
 June 5-11, 1966
 June 20-24, 1966
 June 27-August 5, 1966

Future Activities Planned:

Southwestern Music Ranch
 State Surplus Property Meeting
 State Highway Meeting
 Alumni Association
 Field Botany Institute
 Anthropology Field Session
 Music Clinic
 Custodian Workshop

August 7-20, 1966
 September 28-31, 1966
 October 7-8, 1966
 May 12-14, 1967
 June-August, 1967
 June-August, 1967
 August 6-26, 1967
 August 27-29, 1967

The D. H. Lawrence Writing Fellowship was awarded to Mr.

Robert Sward in the summer of 1966.

THE DENTAL ASSISTING PROGRAM

General Information

With the start of the sixth year of the Program, students registered as dental assistants were full-time University students by virtue of an increase in credit courses required of them. Rather than 11 credit hours as offered previously, the students carried 20 credit hours. This change showed two immediate effects:

1. More academically-minded students have shown an interest in the Program;
2. Students enrolled have all the privileges of their peers in the student body, giving them more of a sense of belonging to the University community.

Financial Support

As in the previous year, the Dental Assisting Program was supported during 1965-66 by two sources of funds:

1. The Vocational Education Division of the New Mexico Department of Education;
2. The Division of Dental Public Health and Resources of the United States Public Health Services which purchases information regarding enrolled and graduated students on a contract basis.

Admissions Procedures

Effective with the class entering in September, 1966, students admitted to the Dental Assisting Program will qualify on the basis of ACT test scores only. No special tests will be given for purposes of selection. Within the first month of the school year, a battery of tests will be given to supply pre-training aptitude information to the Public Health Service. This battery includes:

1. Johnson-O'Connor finger dexterity test;
2. Johnson-O'Connor tweezer test;
3. Iowa Test of Educational Development;
4. Thurston Temperament Test;
5. School and College Ability Test;
6. Cooperative English Test.

Academic Aspects

To date the curriculum in Dental Assisting has been rigid with no elective courses offered. There is little room for flexibility in a two-semester educational program. However, to give the student some choice, the faculty has suggested that each student may choose one of the following freshman level courses as part of her curriculum:

Psychology 101
Sociology 101
Speech 101

It is felt the ideal would be to include all the above-mentioned courses in the required curriculum. Since time will not permit this, the individual student may make the decision as to which will be most valuable to her.

Statistics of Dental Assisting Program

<u>Year</u>	<u>Number of Applicants</u>	<u>Students Accepted</u>	<u>Students Receiving Certificates</u>	<u>Number Presently Employed</u>
1960-61	34	10	8	3
1961-62	32	17	12	3
1962-63	26	9	7	4
1963-64	25	6	6	4
1964-65	32	10	8	7
1965-66	26	15	6	3

Faculty and Staff

Miss M. Louise duFault, assistant to the director of the Dental Hygiene Program, who joined the University faculty in September, 1965, has spent a portion of her time teaching in the Dental Assisting Program. Miss duFault had spent two years, 1962 and 1963, with the Dental Division of New Mexico Department of Public Health as a dental hygiene consultant and the school year, 1964, with the Melrose Park School System in Melrose Park, Massachusetts.

727
Faculty and Staff (Continued)

Mrs. Kenneth Thom resigned as secretary of the Dental Program in September, 1965, to make her home in Santa Fe. Her replacement is Mrs. David Weig.

Mrs. Doris Weber is no longer teaching in the Dental Assisting Program.

GREAT DECISIONS PROGRAM

The Great Decisions Program is sponsored by the Foreign Policy Association which is a nationwide adult educational agency serving the American people through their own organizations and groups in their own communities. It is nonpartisan. It takes no stand on political issues but works for the traditional American goals. Adult groups are formed in the community and usually meet in the various homes. Groups consist of ten to fifteen people who spend one evening a week for eight weeks in group discussion on vital questions of national and international interest.

The Division of Extension acts as a clearing house for reading materials on the topics which are selected for discussion each year. It must be said that this Division works largely with communities outside of Albuquerque because there is a local Great Decisions Committee.

The topics which were on the discussion schedule follow:

- | | |
|---|-------------|
| 1. Struggle for Vietnam:
What Stakes; What Options for the U.S.? | February 6 |
| 2. Israel in the Arab World:
Is Peace Possible? | February 13 |
| 3. Western Europe and the U.S.:
End of the Atlantic Alliance? | February 20 |
| 4. Sub-Saharan Africa:
Can Stability Be Achieved? | February 27 |
| 5. Russia After Khrushchev:
Does Coexistence Have a Future? | March 6 |
| 6. Japan Resurgent:
What Kind of Ally? | March 13 |
| 7. Latin America and the U.S.:
Will the Inter-American System Work? | March 20 |
| 8. Making Foreign Policy in a Nuclear Age:
Can the U.S. Meet the Challenges? | March 27 |

A total of 1,138 Fact Sheet Kits were requested by various people in the State. Communities represented in the discussion program were Albuquerque, Silver City, Los Alamos, Eunice, Las Cruces, Farmington,

Roswell, Carlsbad, Santa Fe, Deming, Grants, Aztec, Clovis, Portales, Gallup, Estancia, Hurley, and Las Vegas.

Advance notice on the discussion topics for 1967 has already been sent to interested people in the State.

CIVIL DEFENSE PROGRAM

The Contract Branch, Office of Civil Defense, Department of the Army, solicited a proposal from The University of New Mexico for the conduct of the Civil Defense University Extension Program for FY66 on March 4, 1965. The University submitted the proposal on March 18, 1965, based upon the work requirements previously submitted to the University by the New Mexico Office of Civil and Defense Mobilization. These requirements were: 18 Conferences, 4 Radiological Monitoring Instructor Courses, 1 Shelter Management Instructor Course, 12 Shelter Manager Courses, 1 Civil Defense Management Course and 1 Radiological Defense Officer Course. The amount of the original proposal was \$77,000 and a contract was signed for that amount by the University on June 7, 1965, and by the Contract Branch on June 30, 1965. All work under the contract was to be completed by June 30, 1966.

Personnel and Administration

Changes in personnel during the FY66 contract year were as follows:

Mr. John W. Benton was appointed Assistant Director on July 1, 1965.

Mrs. Wilhelmina Kessel resigned as Secretary, and Mrs. Louise Laval was hired for the position on January 20, 1966.

Mr. Donald N. Lange resigned on June 30, 1966 and Mr. Salvatore J. Tedesco was appointed Assistant Director on June 1, 1966.

As of June 30, 1966 permanent full-time staff personnel engaged

in the program and their employment dates were:

Verle T. Simpkins, Director	June 24, 1963
John D. Giesler, Assistant Director	June 25, 1964
John W. Benton, Assistant Director	July 1, 1965
Salvatore J. Tedesco, Assistant Director	June 1, 1966
Louise M. Laval, Secretary	Jan. 20, 1966

Required Office of Civil Defense Staff College training at Battle Creek, Michigan was attended by the following:

Verla T. Simpkins		
Plans and Operations	I	July 18-23, 1966
Plans and Operations	II	July 25-30, 1966
John W. Benton		
Civil Defense Management		July 11-16, 1966
Civil Defense Management Workshop		Aug. 1-6, 1966
Plans and Operations	I	July 18-23, 1966
Plans and Operations	II	July 25-30, 1966
Shelter Management Instructor		Aug. 15-20, 1966
Shelter Management Instructor Workshop		Aug. 29-Sept. 3, 1966
John D. Giesler		
Plans and Operations	I	July 18-23, 1966
Plans and Operations	II	July 25-30, 1966
Radiological Defense Officer		Aug. 22-27, 1966
Radiological Defense Officer Workshop		Aug. 29-Sept. 3, 1966
Salvatore J. Tedesco		
Civil Defense Management		June 5-10, 1966
Plans and Operations	I	June 12-17, 1966
Plans and Operations	II	June 19-24, 1966

Office space for Program personnel is still provided from existing space utilized by the entire Extension Division. Material, equipment and supplies are scattered about the campus in various available storage spaces.

Program Objectives

The National objective of the University Extension Civil Defense Program is to materially increase and help maintain the United States' total Civil Defense effort by employing the resources of the nation's state universities and land grant colleges, operating through their Extension Services, under contract to the Office of Civil Defense, by providing instruction for specific audiences. More specifically in New Mexico, the program is designed to extend certain

national and state civil defense training to communities with the objective of increasing the overall civil defense operational readiness of the state.

Program Operations

The OCD National Office establishes the policies and administrative procedures and authorities for the program. The Training and Education Office, Region V, OCD, Denton, Texas, provides technical and administrative guidance in the day-to-day operations, such as consultation by OCD technical specialists; providing the University with current OCD policies, plans, programs and operational procedures; review and approval of conference content and design; and general contract administration. All courses of instruction are conducted in accordance with the instructional material prepared by the Office of Civil Defense Staff College. Student materials, instructor guides, and course supplies are furnished by the Government.

The State Civil Defense Office determines the training requirement to be placed upon the University in terms of number of conferences and courses to be conducted during the contract year, and works closely with the University in determining their location and dates. Recruiting of students and conferees is a primary responsibility of the University but it evolves as a joint effort of the University and Federal, State, and local Civil Defense officials. The direct management and conduct of all courses and conferences is the sole responsibility of the University.

Followup on effective utilization of course graduates as instructors in the field and exploitation of conference attendees

Is the responsibility of Civil Defense Officials.

Performance, FY 1965

Conferences and courses were conducted throughout the State as follows:

Conferences

<u>Dates</u>	<u>Place</u>	<u>Attendance</u>
Nov. 15	Mora	53
Nov. 16	Taos	34
Nov. 29	Clayton	39
Nov. 30	Mosquero	27
Dec. 1	Tucumcari	55
Dec. 13	Ft. Sumner	19
Dec. 14	Portales	63
Jan. 10	Deming	55
Jan. 11	Lordsburg	25
Jan. 17	Los Lunas	60
Jan. 19	Estancia	28
Feb. 24	Bernalillo	39
Feb. 28	Reserve	48
Mar. 14	Chama	23
Mar. 29	Carrizozo	59
Mar. 30	Lovington	51
Apr. 27	Socorro	31
Apr. 21	Los Alamos (Industrial)	122
		<u>831</u>

Average Attendance: 46

Breakdown of attendance by city, town, and county representation for all Public Officials Conferences:

<u>City or Town</u>	<u>County</u>	<u>Conference Attendance</u>
Mora	Mora	25
Holman	Mora	6
Cleveland	Mora	7
Wagon Mound	Mora	7
Rainville	Mora	1
Ocate	Mora	1
Buena Vista	Mora	1
Chacon	Mora	2
Las Vegas	San Miguel	1
Ledoux	Mora	2
		<u>53</u>

<u>City or Town</u>	<u>County</u>	<u>Conference Attendance</u>
Taos	Taos	26
Ranchos de Taos	Taos	4
Santa Fe	Santa Fe	2
Raton	Colfax	1
El Prado	Taos	<u>1</u>
		34
Mosquero	Harding	25
Roy	Harding	<u>2</u>
		27
Clayton	Union	34
Folsom	Union	3
Albuquerque	Bernalillo	1
Gladstone	Union	<u>1</u>
		39
Tucumcari	Quay	45
Logan	Quay	6
Quay	Quay	2
McAllister	Quay	1
Cameron	Quay	<u>1</u>
		55
Portales	Roosevelt	47
Elida	Roosevelt	7
Dora	Roosevelt	3
Floyd	Roosevelt	2
Causey	Roosevelt	<u>3</u>
		63
Ft. Sumner	De Baca	18
Talban	De Baca	<u>1</u>
		19
Deming	Luna	51
El Paso, Texas	El Paso	2
Gage	Luna	<u>2</u>
		55
Estancia	Torrance	15
Moriarty	Torrance	6
Encino	Torrance	2
Willard	Torrance	1
Mountainair	Torrance	3
Tajique	Torrance	<u>1</u>
		28
Lordsburg	Hidalgo	23
Animas	Hidalgo	<u>2</u>
		25

Bernalillo	Sandoval	32
Placitas	Sandoval	2
Santa Fe	Santa Fe	1
Ponderosa	Sandoval	2
Albuquerque	Bernalillo	1
Algodones	Sandoval	<u>1</u>
		39
Reserve	Catron	25
Glenwood	Catron	6
Datil	Catron	6
Quemado	Catron	4
Apache Creek	Catron	3
Pie Town	Catron	2
Luna	Catron	<u>2</u>
		48
Chama	Rio Arriba	20
Dulce	Rio Arriba	<u>3</u>
		23
Carrizozo	Lincoln	16
Ruidoso	Lincoln	23
Hollywood	Lincoln	4
Mescalero	Otero	2
Ruidoso Downs	Lincoln	4
Corona	Lincoln	6
Picacho	Lincoln	1
Capitan	Lincoln	2
Hondo	Lincoln	<u>1</u>
		59
Lovington	Lea	26
Hobbs	Lea	14
Jal	Lea	1
Santa Fe	Santa Fe	2
Eunice	Lea	5
Tatum	Lea	1
Espanola	Rio Arriba	1
Houston	Lea	<u>1</u>
		51
Socorro	Socorro	27
Albuquerque	Bernalillo	2
Santa Fe	Santa Fe	1
Magdalena	Socorro	<u>1</u>
		31
Los Lunas	Valencia	28
Grants	Valencia	10
Milan	Valencia	5
Belen	Valencia	14

Albuquerque

Bernalillo

3
60Civil Defense Management Course

<u>Dates</u>	<u>Place</u>	<u>Enrolled</u>	<u>Certified Graduates</u>	<u>Certified Attended</u>
May 16-20	Albuquerque	22	17	5

Shelter Management Instructor Course

<u>Dates</u>	<u>Place</u>	<u>Enrolled</u>	<u>Certified Graduates</u>	<u>Certified Attended</u>
October 4-9	Gallup	20	15	5

Shelter Management Courses

Sept. 16-18	Taos	12	8	4
Sept. 23-25	Raton	8	7	1
Oct. 14-16	Las Vegas	9	6	3
Nov. 4-6	WSMR	27	25	2
Nov. 4-6	Las Cruces	15	11	4
Dec. 9-11(day)	Albuquerque	33	23	10
Dec. 9-11(night)	Albuquerque	18	9	9
Jan. 13-15	Deming	18	14	4
Jan. 27-29	Los Lunas	8	5	3
Feb. 10-12	Silver City	8	6	2
Apr. 14-16	Clovis	51	46	5
Apr. 27-28	Alamogordo	67	49	18
		<u>274</u>	<u>209</u>	<u>65</u>

Radiological Monitoring Instructor Course

Oct. 11-22	Socorro	5	4	1
Jan. 31-Feb. 11	Silver City	11	7	4
Feb. 28-Mar. 11	Gallup	15	12	3
June 13-24	Albuquerque	8	8	0
		<u>39</u>	<u>31</u>	<u>8</u>

Radiological Defense Officer Course

May 2-6	Albuquerque	12	12
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Evaluation

We have a more confident feeling of success with our conferences this year than in past years. By our standards, they were very well

attended, and we enjoyed a higher percentage of public officials in attendance. This is attributed to our method of recruiting. We met with a selected group of the "right" officials in each community well in advance of the scheduled conference date, sold them on the conference and its objectives, provided them with a suggested minimal invitation list, and let them do the inviting in their own way. This approach gave them a feeling of participation in our planning, and most importantly, gave them the responsibility for having the people in attendance.

As usual, our evaluation of the degree to which we motivated any community action is limited somewhat to our observations during and immediately after each conference, while packing up to leave. Generally, audience response was good and comments were positive in nature. As time goes by, we get a little feed-back information from the community through various channels, and the State Office of Civil and Defense Mobilization keeps us informed of their follow-up activities. The following are some positive and concrete actions resulting from our conferences in various communities:

- Mora - A representative from the local Community Actions Committee was directed by the county commission to attend our CDM course.
- Taos - The architect of a new school being constructed in the community asked for and received Regional A & E Consultant service on incorporating fallout shelter specs in the plans.
- Clayton - A budget for CD activities was approved by the city fathers. Plans are in the mill for modification of city hall to meet EDC standards.
- Mosquero - A new Civil Defense Director was appointed.
- Tucumcari - An operations plan and program paper has been prepared.

A representative was in attendance at our CDM course. Plans are for a budget for a full time director in FY 67.

- Ft. Sumner - The county is now in the "606" program with an operational plan and a program paper.
- Portales - Increased activity in the RAMONT program (using our instructor graduates)
- Deming - A Shelter Coordinator was appointed to assist the local volunteer director.
- Los Lunas - A director was appointed for the eastern part of the county to assist the county director.
- Estancia - A volunteer director was appointed and he attended our CDM course.
- Bernalillo - A new director was appointed and he attended as much of our CDM course as his regular job would allow.
- Reserve - A county director was appointed and he attended our CDM course. Medical self-help is being conducted county wide through the Home Extension Service.
- Chama - A Bureau of Indian Affairs man and a representative of the Jicarilla Apache Tribe attended our CDM course.
- Lovington - A new director was appointed.

Our Civil Defense Management Course is considered to be one of the year's highlights. Many hours of preparation went into the course, and the efforts of the entire State OCDM staff contributed to a very successful course. It was very well attended by the "right" people, most all of them civil defense types, from many areas of the State. The course was specifically tailored to the New Mexico situation and local community actions. We are satisfied that the 17 graduates of this course now have the proper perspective of their responsibilities and a sound base of civil defense knowledge. This course should be a "must" for everyone in the civil defense business.

SIGNIFICANT PLANS AND RECOMMENDATIONS

FOR 1966 - 1967

Again this year, we are sub-dividing this section into areas of responsibility since certain specific recommendations will apply only to particular sections. As before, we do this so that we might devote some attention to general plans and recommendations involving the entire Division of Extension, Summer Session, and Community Services.

In all of our efforts during the past thirteen years, we have attempted to make the resources of the University available to all of the citizens in this community as well as the State of New Mexico. We are sincere in our feeling that we have made much progress in accomplishing this objective.

I. General Plans and Recommendations for the Entire Division:

- A. We need additional office help to adequately carry on the work of the Division. We intend to ask in the 1967-68 fiscal year for another assistant director and another clerk in our office. We need this help desperately in an effort, not only to carry on the present work of the Division, but to expand the various aspects of the workload.
 - B. It is again recommended that our assistant directors be given academic rank. This is a common practice at other universities, and it would immeasurably improve the morale of the staff.
 - C. It is again recommended that efforts be continued to get the funds necessary to build a Continuing Education Building. This is a common trend over the country in many universities, and again it would give added impetus to varied adult education programs.
- Increasingly, we are going to be limited in campus facilities and

services. This may result in curtailment of some of our community adult programs. It might be well to investigate the possibility of money for a Continuing Education Building as coming from the Higher Education Facilities Act of 1963.

If there is no possibility of our getting a new facility for Continuing Education, it is my recommendation that we be allowed to take over the present Infirmary Building as soon as it is vacated. Naturally, we are going to have some remodeling, but we have looked the building over and it might serve our purposes with modification.

- D. Since so many grants from the federal government are available, it would seem appropriate to have someone versed in writing proposals be employed at least part-time. With so much money available, it is too bad that the Division of Extension does not, at the present time, have time to pursue some of the many grants available.

II. Instructional Centers and Extension Classes:

- A. The possibility of awarding resident credit for extension classes taught by UNM campus faculty should be inaugurated.
- B. The Gallup Community College should be developed so that the University gives it more financial support with the idea in mind that it will increase enrollments and become more of an integral part of the University of New Mexico. It may become a Junior College as a branch of the University of New Mexico.

III. Correspondence Division:

- A. As stated in our six past reports, we believe that the Correspondence Division should be enlarged and improved to keep pace with NUEA standards in the face of increased interest and advancement in this area of study throughout the world. We especially need courses in

- Guidance, Library Science, and Sociology, to mention a few for which we have the most requests.
- B. We do need more help in the general office, part of which could be devoted to developing and improving the quality of existing courses, trying to persuade the departments of the University to offer more subjects, keeping up to date the availability of textbooks, and writing more personal letters to present and prospective students.
 - C. It is perhaps time to think about the possibility of developing the Correspondence Division so that it has some faculty as regular members of the staff. This is being done in any number of institutions over the country. The potential income for such action is substantial.

IV. Audio-Visual Center:

- A. From the first section of this annual report concerning our Audio-Visual area, we recognize a fact that tremendous progress has been made in establishing a campus Audio-Visual Center even though we have been handicapped in buying materials because of budget limitations. The continually increasing budgets have certainly helped us to satisfy the various requests from colleges and departments for audio-visual materials. We do feel that we have made definite strides in getting the various departments to recognize this Division as the Audio-Visual Center for the campus.
- B. Even though we are very proud of the training and reliability of our student projectionists, the increased use of audio-visual aids by the growing faculty at the University placed a near impossible load on the more-than-average coverage during the heavy class hours of the school day. Some requests are not satisfied, simply because

manpower is not available for taking care of the additional pressures caused by this increased demand. It is strongly recommended that, in view of the increasing use and demands for audio-visual service, a full-time director of audio-visual services be employed. A trained person in the media field could do much to upgrade and expand the audio-visual services which in turn would upgrade instruction in the classroom.

- C. The Audio-Visual Center is located in Room 207 of the Administration Building. This is a small, unventilated room which serves as:
1. An office for audio-visual clerical work, i.e., correspondence to film rental agencies, ordering and scheduling films, receiving and shipping films, maintaining current catalog files and faculty request files, et cetera;
 2. Storage space for some 625 16-mm films, 154 filmstrips, tapes, slides, records, and graphic supplies, as well as replacement parts, tubes, lamps, and tools for maintenance of equipment;
 3. Storage space for all equipment not being used by departments;
 4. Work room for graphic aids, i.e., copy stand and camera for production of $3\frac{1}{4} \times 4$ and 2×2 slides, and the production of overhead projectuals via the diazo process, lift process, and thermofax method;
 5. Work room for the inspection, cleaning, and repairing of films; as well as:
 6. A storage room for supplies needed for other Extension Division activities.

It is not difficult to appreciate the serious need for additional space to carry on adequately the activities of the Audio-Visual Center.

V. Conferences, Institutes, and Short Courses:

- A. As has been mentioned before, there is still a shortage of facilities for continuing adult education activities. As new buildings are completed, larger enrollments of residence students utilize the additional meeting room space provided. The Division of Extension is pressed with an ever increasing number of requests for facilities to hold conferences of two to three days¹ duration and for Seminars and Short Courses that would meet different periods each day for four to six weeks. University personnel help instruct in many of the continuing adult education programs and it is much more convenient for them to have such programs convene in campus facilities.

The Division will continue to utilize University facilities when not in use by residence classes. However, continuing adult education requests make it necessary to secure space for some programs elsewhere. It is felt that the University should be one of the leading educational institutions endeavoring to help in the continuing education of adults whether it be cultural or vocational in nature. In order to do justice to the adult demands for this type of education, a separate facility should be secured that could harbor all such offerings. It should, also, be one where continuing education activities would have first priority and could be utilized at a later period, when the programs expand, for only continuing adult education activities. A facility of this nature could be financed by income secured each semester from already established continuing adult education activities.

- B. There is increased pressure from the Manpower Development and

Training Act on institutions of higher learning to re-train adults to work in newly developed technical fields. The Division has been working with people connected with the training and will continue to do so. There have been a few classes at the University of New Mexico for adults who wish re-training, however, because space has not been available. Many classes could be developed through grants in aid under the Manpower Development and Training Act if facilities to hold the re-training classes were available.

- C. The policy of charging off-campus groups and organizations for use of facilities for meeting places should continue. This has tended to cut down outside use and made scheduling of regular University courses much more flexible.
- D. The Division of Extension, Summer Session, and Community Services suggests, as a matter of policy, that all conferences, institutes, or short courses which are contemplated by any college, department, or individual connected with the University, be entered on a calendar kept by the Division before any commitments are made. Instances in the past have caused some embarrassment when more than one activity was scheduled at the same time. This Division should act as a clearing house when any such activity is proposed. The experience which has been gained in management of conferences and developing institutes, seminars, and short courses by the Division may expedite matters and tend to develop better public, staff, and faculty relations. In this regard, it is recommended that a room scheduling policy be established for all facilities on the campus used for continuing adult education activities and other events of a

non-academic nature. It is also recommended that a university schedule of campus events be kept in the Division of Extension, Summer Session, and Community Services. At the present time, the Division receives requests, from off-campus organizations, for meeting room space. A better control system for use of campus facilities should be established and managed by the Division of Extension because of use the Division itself makes on these facilities.

- E. A brief summary of conferences, institutes, and short courses already planned for the coming fiscal year follows:

<u>Activity</u>	<u>Date</u>
Tax Commission School	July
Forensic Class	July
Experimental Design	July
Cheerleaders' Workshop	July
National University Extension Association's Annual Meeting	July
306th Civil Affairs Group	July
Coaches' Clinic	August
Soil Conservation Society	August
French Students' Seminar	August
Officials' Clinic	August
Custodial Workshop	August
Yearbook Seminar	September
Workshop for Heart Association	September
American Institute of Banking I	September
American Institute of Banking II	September
American Institute of Banking III	September
American Institute of Banking IV.	September
Dental Faculty Seminar	September
Civil Defense Class	September
Medical Office Assistants' Class	October
L.U.T.C. Course, Part I	October
L.U.T.C. Course, Part II	October
C.L.U. Course, Part I	October
C.L.U. Course, Part II	October
National Secretaries' Course	October
Engineer-In-Training	October
State Surplus Property	October
Clay Pipe Seminar	October
Highway Engineers' Group	October
Seminar on Bankruptcy	October

New Mexico Education Association	October
Landscape Design Course	November
Conference on Smoking and Health	November
S.W. Division of American Chemical Society	December
Dental Seminar	January
Hygienists' Seminar	January
Motor Vehicle Maintenance	February
Regional Science Fair	March
Future Homemakers of America	April
Data Processing Conference	April
Bio-Medical Instrumentation Symposium	May
Heterocyclic Chemistry	June
Rocky Mountain Organists' Convention	June
American Crystallographic Association	June

VI. Community Evening College (Non-Credit Section):

- A. We are continuing to evaluate our offerings with the view toward developing new courses in an attempt to further serve the members of our community.

Many non-credit offerings are curtailed due to lack of adequate space. With the increased demand for classroom facilities it may be necessary in the future to go outside the University for classroom space. The Albuquerque Public Schools are willing to help us in this matter. Maximum use of the special areas are presently being made.

VII. Community Evening College (Credit Section):

- A. It is possible for us to increase the number of night students at \$18 an hour by offering a more complete series of courses during the evening hours. This would not only increase our financial income but would serve the community better.
- B. It is recommended that the Administration put pressure on the various departments to offer more night courses with the view in mind of substantially increasing income and supplying needs of the community population.

VIII. Civil Defense Program:

- A. During the fiscal year of 1966-67, the number of conferences and short courses offered will continue at the previous level.
- B. It might be mentioned that the four men involved in the Civil Defense program are now housed in one rather small office which again emphasizes the need for more space for the entire Division of Extension.

IX. Summer Session:

- A. We will continue to work on enrollment increases even though we showed an increase of 3.60% over 1965.
- B. We had a budget increase in 1966 which allowed us to offer a broader program which increased enrollments.
- C. It is recommended that in 1967, the salary schedule be increased to two-ninths of the annual salary.
- D. Every effort will be made in 1967 to recruit some superior visiting faculty members as attractions of the summer session.
- E. We are attempting in every way to offer attractive special events that will interest students.
- F. If possible, some scholarships should be provided for summer session students.
- G. All departments should inform and coordinate institute proposals with the Summer Session Director.
- H. We need housing for married couples very badly.
- I. We need an air-conditioned dormitory for men.
- J. The Summer School Director is studying all plans and proposals of other institutions for expanding the length of the summer session. This matter has been brought before the faculty summer session

committee on several different occasions. There does not seem to be any feeling that we should change the format of the summer session as far as the length is concerned. The experience of other institutions attempting the tri-semester plan has not been good. There are a number of considerations involved if we are to expand to two 5-week sessions, or two 6-week sessions. However, the question certainly should not be closed, and we will continue to study the whole situation. At the present time, it is my recommendation that we hold to the present 8-week term with a two weeks pre-session.

The Report of the Holloman Graduate Center
July 1, 1965 - June 30, 1966
J. R. Foote, Director

A. General Data

The record enrolment of the previous year did not continue a second year, but fell to about the average enrolment of the past five years. This was not caused by lack of interest of students but by policy changes and lack of management support and planning. Events leading to elimination of seven courses from a planned list of fourteen include:

a) With the first money available early in July, Holloman began contract negotiations on all the courses; but the obviously false assumption had been made that the 9-month salary of the Director was an annual salary. Negotiations halted until late in August or early September.

b) Holloman funds were cut in the meantime, and money available for training was cut even more, making it necessary, under such policy shifts, to eliminate some courses.

c) Policy relative to support of courses primarily for military personnel changed. The civilian training organization refused to pay as it had in the past seven years for such courses. On the other hand, the military training organization was not set up, either in money or in administrative personnel, for such support of the graduate program.

d) Policy changed relative to waiting until the University enrolment period was past, before deciding that some courses would not have enough enrolment. Usually such a wait produces far more students than have indicated, in a preliminary survey, that they

would enroll. Thus, in August seven courses were cancelled by Holloman, only two on the grounds of poor enrolment and the other five on the grounds that the students were mainly military personnel.

These arbitrary and unilateral decisions succeeded in cutting enrolment by about one-half of the previous year, but in fewer courses, so that the efficiency of the program increased in the sense of enrolment per course. It also succeeded in eliminating all courses in mechanical engineering and interrupted course sequences which were in process in mathematics and electrical engineering.

A summer course in psychology was needed, and the civilian training organization encouraged its beginning in July, before a new contract could be written, in order to give credit in a session of 8 weeks ending late in August. The policy changes discussed above cut this course from the contract, since the course was completed before negotiations ended. Thus, the University was placed in the position of paying costs.

B. Plans

In the first Holloman-University meeting for several years on the entire graduate program, assurance was given that Holloman indeed does want the program and would take steps to insure that the University would not be forced into the position of having to pick up the pieces whenever courses planned for University faculty members are canceled. It also was announced that Holloman officials would determine the program according to mission requirements and

make this information available, for the next academic year, to the University by 15 April. In letters to the University following this meeting the Director pointed out that this change makes program determination both very late and unilateral since it does not permit course-sequence planning for any purpose (particularly for degrees), and does not coordinate the factors of University and Holloman instructors being available. It does not even contain a provision that the courses will include something which the Director can or will teach; his courses then would be selected by a random process of whatever falls out of project needs.

No course plans were received until May 16; these courses are being considered by department chairmen.

C. Staff Changes

New faculty members at Holloman include: Professor Everett G. Dillman taught courses in the business management field; Dr. Jeffrey R. Davis taught a course in mathematics; Dr. Jacques Beckers and Dr. Charles L. Hyder, both of Sacramento Peak Observatory, taught a course in astrophysics; and Dr. Daniel Petersen taught a course in electrical engineering.

Dr. Joe R. Foote, Director, and Professor of Mathematics, resigned effective 30 June 1966.

D. Professional Activities

The Director in November attended the Annual Meeting of the American Society of Mechanical Engineers and presented "The c_p for Accelerated Slender Bodies", which also appeared in the "Journal of

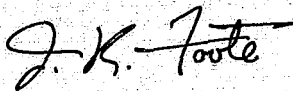
Applied Mechanics", March 1966. He also attended two symposia in applied mathematics and numerical analysis, and continues research in these fields as needed for trajectory optimization problems.

The Director participated in the Sixth Visiting Scientist Program of the New Mexico Academy of Sciences and gave lectures at four schools.

Part-time employment of the Director by the Office of Research Analyses continued until 1 November when it was abruptly terminated due to lack of funds. This change in employment status was so sudden that the final report could not be prepared although a Summary report of all important results had been submitted and a preliminary version of the final report prepared. Assurance was given that the final report was not needed, however, in the context of the project report which incorporated many other papers. Although it was indicated that new funds would be available in January and that part-time research could resume then, later the date was advanced to 1 July. In the meantime efforts to secure such research associations with other groups at Holloman were initiated but had no success until very late in April when it was too late. The Director had been forced to look elsewhere for professional associations and had accented Summer employment.

The Summer Scientific Seminars, which brought so many important visitors in the past ten years to the Holloman area, were cancelled last Summer at Cloudcroft and the Director's association with the project terminated. Although a new program was proposed which would

continue this outstanding series again under sponsorship of Holloman,
no response was obtained.

A handwritten signature in dark ink, reading "J. R. Foote". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

J. R. Foote, Director
Holloman Graduate Center
1958-1966.

The Report of the Los Alamos Graduate Center
July 1, 1965 - June 30, 1966

Glenn A. Whan, Director

For the second consecutive year, enrollment figures for both semesters have shown a substantial decrease. Table I summarizes enrollment trends and cost figures for the past five years. It is difficult to pinpoint the exact reason for the large decrease in enrollments. The course list for the fall has been well planned with respect to student needs and desires and enrollments should increase slightly or at least hold the line. An additional humanities course is scheduled for this fall which from past experience should help keep enrollments from decreasing.

For the past three years the Graduate Center has shown a trend of decreasing enrollments and concomitant increasing costs. The enrollment at the Graduate Center will probably level off at some plateau or may even increase to some extent depending upon the hiring policies of the Laboratory or the beginning of new technical programs. The number of courses could be decreased giving a larger average enrollment per class and a corresponding smaller cost per student. At some point, however, a minimum number of courses would be reached below which it would not be possible to maintain realistic degree programs in the various areas. The number of courses per semester probably cannot be decreased below eighteen or twenty without sacrificing present objectives of the Graduate Center. Next fall the enrollment trends might indicate whether or not the objectives and needs at the Los Alamos Graduate Center need to be seriously reviewed.

At the 1966 Commencement, 19 persons received graduate degrees from the University of New Mexico as a result of study at the Graduate Center. The number of degree recipients for the past several years and their major fields are shown in Table II. This year's group of 19 degree candidates from Los Alamos is the largest in the history of the Graduate Center. This is a pleasant fact in view of the

The Report of the Los Alamos Graduate Center
July 1, 1965 - June 30, 1966
Page 2

decreasing enrollments, but degree production trends will probably always lag somewhat behind enrollment trends.

Reviewing the decision to establish a set dislocation salary schedule for UNM faculty teaching at Los Alamos: \$600 for Instructors, \$800 for Assistant Professors, \$1000 for Associate Professors, and \$1200 for Professors, no difficulty has been experienced in attracting senior faculty members to teach at Los Alamos. It appears that the present schedule is fair and equitable and that it should be kept at the same level for next year. This is something that should be reviewed periodically, however, for indications of a detrimental effect on the quality of the UNM professors scheduled to teach at Los Alamos.

This year for the first time classes at Los Alamos were started earlier than campus classes, with one week's lead last fall and one-half week this spring. The reasons for doing this were two-fold: (1) it enables the Graduate Center to determine which courses have sufficient enrollment to warrant giving early enough to allow the campus departments to make necessary instructional adjustments, and (2) it helps considerably in getting the Los Alamos registrations, grade records, etc., on campus in time to satisfy the campus deadlines. Our experience for the most part with the early starting dates has been quite good. One difficulty is that the first class meeting may conflict with registration on campus. This is particularly difficult if a campus instructor is involved in student advising on campus as well as teaching at the Graduate Center. Next year it is important to recognize this difficulty and make each department well aware that classes begin at Los Alamos one week early. This would facilitate adjustment of advising schedules.

Last year a group of core courses, necessary either for pre-requisite credit or for required graduate credit in a degree program, were identified for each degree program at Los Alamos. It was felt that a regular schedule of these core courses should be established at the Graduate Center and that these courses should be given even

The Report of the Los Alamos Graduate Center
July 1, 1965 - June 30, 1966
Page 3

when enrollments are very low. Although an enrollment of two or three students is really difficult to justify, if the core courses are not given to two or three students, the degree programs of the students involved could be seriously interrupted. The core course schedules will be continued for another year with perhaps some modification to decrease their number, if at all possible. Whether or not a core course has sufficient enrollment will still be determined each semester on an individual basis.

The following new members were appointed to the Graduate Center Advisory Council for three year terms (1966-1969):

Donald Petersen, Chemistry
Richard Gentry, Physics

Edward Hammel was appointed to fill the unexpired term of two years for Robert Andelin who has left the Laboratory. Howard B. Demuth was reappointed to another three year term on the Engineering Advisory Council and Edmond Cashwell was reappointed to the Mathematics Advisory Council for a new three-year period.

Dr. Guido H. Daub was Acting Director of the Graduate Center during July and August, 1966 while Glenn A. Whan was at the Oak Ridge National Laboratory in Tennessee on a summer research grant. On July 1, 1966 Richard H. Williams will become the new Director of the Graduate Center replacing Glenn A. Whan who is taking a one-year leave of absence from the University. Professor Whan will return to full-time duties as Chairman of Nuclear Engineering upon his return in 1967.

Table I

LOS ALAMOS GRADUATE CENTER

July 1, 1966

Academic (Fiscal) Year	1961-1962		1962-1963		1963-1964		1964-1965		1965-1966	
Semesters	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring
REGISTRATIONS:										
Dissertation (Ph.D.)	2	1	1	2	1	-	4	1	3	-
Thesis (MS)	4	3	3	2	4	2	3	4	-	3
Graduate Courses	228	129	209	174	203	171	199	139	178	100
Undergraduate Courses	128	88	78	89	124	99	49	64	69	60
Non-credit Courses	8	4	38	17	12	13	16	-	12	-
Semester Totals	370	225	329	284	344	285	271	208	262	163
Yearly Totals	595		613		629		479		425	
CREDIT HOURS *	1073	660	946	804	1042	911	869	661	809	524
Yearly Totals	1733		1750		1953		1530		1333	
INDIVIDUALS ENROLLED:	319	184	278	237	276	232	232	173	190	141
Yearly Totals	503		515		508		405		331	
COSTS PAID UNM	\$58886	\$51448	\$48876	\$46045	\$35070	\$53789	\$47266	\$45229	\$54870	\$49573
Academic (Fiscal) Year	\$110334		\$94921		\$88859		\$92495		\$104443	
COST PER CREDIT HOUR	\$54.88	\$77.95	\$51.67	\$57.27	\$33.66	\$59.04	\$54.39	\$68.43	\$67.82	\$94.60
Academic (Fiscal) Year	\$63.67		\$54.24		\$45.50		\$60.45		\$78.35	
NUMBER OF COURSES:										
Offered/Given	33 29	27 23	26 24	25 24	26 24	26 26	23 22	26 23	28 25	24 21
AVERAGE COURSE ENROLLMENT **	12.8	9.8	13.3	11.8	14.3	11.0	12.2	9.0	10.5	7.8

* Credit Hour Equivalent used for Registrations as an auditor, or for non-credit courses, Thesis or Dissertation.

** These figures are for the Fall and Spring semesters only, and do not include Summer Registrations in Thesis or Dissertation.

Table II

LOS ALAMOS GRADUATE CENTER
Degree Recipients

July 1, 1966

University of New Mexico graduates who have taken significant course work toward their degree in the LASL's Academic Training Program:

	1954- 1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	Totals
B.A. Arts & Science						1	1					2
B.S. Arts & Science	1				2		2	1	1			7
Engineering	2					1		1	1			5
M.A. Mathematics	1				1	1		1				4
M.S. Chemistry	1	1	1			1			1			5
Engineering:												
Chemical								1				1
Electrical		1	1	1	3	2	1			1	1	11
Mechanical			1			2	1				4	8
Nuclear			1	7	8	1	6	2	5	2	5	37
Eng.Sci. of Matls.										1	1	2
Physics		1		2		3	4	3	2	1	3	19
Ph.D. Chemistry	2	3	1	1	1	1	2	1		1	1	14
Physics						1	1	2		1	1	6
Engineering:												
Electrical									1+		1	2
Mechanical										2+	1	3
Nuclear											1	1
Totals	7	6	5	11	15	14	18	12	11	9	19	127

* Most Ph.D.'s and Sc.D.'s participated in both the LASL's Advanced Study Program to complete residence requirements on campus and in the Graduate Thesis Program.

+ Sc.D.

The Report of the Department of Aerospace Studies (AFROTC)
July 1, 1965 - June 30, 1966
LtCol William C. Naylor, Professor of Aerospace Studies

1. Significant developments during the Academic Year, 1965-66, were as follows:

a. This was a year of transition from the old four-year to the new two-year program. No freshmen participated in the program. Hq AFROTC has established a new personnel policy in conjunction with the new two-year program - quality over quantity. As a result, detachments were limited in the number of cadets who could be enrolled in the junior class. During Fiscal Year 1966 the initial limitation was 22. Within two weeks this limitation was cancelled. The current limitation in September, 1966 enrollment is 34 cadets from the four-year program. Approximately 5 additional cadets will be enrolled in the two-year program. 95 students began processing for the two-year program. 23 students were fully qualified and were recommended to Hq AFROTC for acceptance in the Professional Officers' Course (POC). The Hq AFROTC Selection Board picked 5 students to continue in the two-year program. The Kirtland Base Hospital administered 104 physical examinations to both four-year and two-year cadets.

b. During the year 1965-66, research activities were continued by Professors Charles E. Woodhouse, Department of Sociology and Patrick D. Lynch, Department of Educational and Administrative Services, on a study of recruitment, retention and leadership attainment in the Corps

detachment on this campus. This study, entitled "Influence of Campus Environment on Student Commitment to a Para-Military Organization," was begun in October, 1963 and has been supported by the Air Force Office of Scientific Research under Grants AF-AFOSR 507-64, 507-65, and 507-66.

In June and July, 1965, Dr. Woodhouse made a participant-observation study of the first six-week Field Training Unit at Keesler AFB, Mississippi, which was attended by three students from our Detachment who had applied for the new two-year program.

In September, Dr. Woodhouse and Dr. Lynch presented a paper, "Military Socialization in the Air Force ROTC," at the Annual Meetings of the American Sociological Association in Chicago; findings in this paper were based on the first two years of their research.

During the year, the research project staff has been processing and analyzing further the data collected from cadets through questionnaires and interviews during the first two years. From time to time Dr. Woodhouse and Dr. Lynch have conferred with members of the Detachment staff and with the Area Commandant on the implications of their findings for the ROTC program, and have been informed of the experiences encountered by the Detachment in the transition to the new two-year program which has been fully implemented this year.

c. Detachment 510 was visited twice by the Area I Commandant, Col William J. Davitt. In addition, a biannual inspection was conducted on 10-14 February 1966 by LtCol F.D. Blanton from Hq, Air University.

The inspector verbally rated the detachment above average.

d. Staff authorization was reduced as a result of a smaller cadet corps. This was to be expected since there was no Freshman AFROTC class. The staff authorization has been reduced from three to two officers and from three to two non-commissioned officers.

e. Although the overall number of cadets in the Corps has been reduced, individual class sizes have shown substantial increases in enrollment. Total enrollment in the sophomore, junior, and senior classes increased some 49% in FY 66 over FY 65's number. As of the end of the spring semester 1966, class enrollment was as follows:

	FY 66	FY 65
AS 2	52	34
AS 3	27	25
AS 4	<u>31</u>	<u>11</u>
	110	70

f. For the sixth consecutive year, future Air Force pilots participated in the Flight Instruction Program (FIP). Hq AFROTC contracted for the training with the Seven-Bar Flying Service. Nine cadets successfully completed this training.

g. Angel Flight, the Women's Auxiliary to Arnold Air Society (AAS) had 45 members and pledges during the academic year. These ladies not only maintained an active drill team but they assisted AAS in numerous community service projects - Project Eyesore was one. These ladies also were designated President Popejoy's official hostesses and functioned during his senior day reception in June 1966. The group again sponsored its annual Christmas party for St. Anthony's Boy's Home.

The Area I Angel Flight Staff conducted inspections at the following universities:

Southern California
U. C. L. A.
San Diego State
Occidental
Arizona State
New Mexico State
New Mexico

New Mexico State was rated the best Angel Flight in three states ---

New Mexico, Arizona and California. Three Angel Flight members attended the Area Conclave in Los Angeles in October 1965. Three members also attended the AAS National Conclave in Dallas in April 66.

h. Cadets from the detachment participated in field trips to three Air Force bases during the academic year. These were: Edwards AFB, California; Davis-Monthan AFB, Arizona; and Walker AFB, New Mexico. Some additional visits were scheduled but had to be cancelled because of a higher priority for airlift. Twelve cadets received jet orientation flights and five received local orientation flights in the T-29.

i. The drill teams, both the cadet and Angel Flight, participated in the Sunshine City Drill Competition in Tucson, Arizona in March. Neither team was burdened with winner's trophies, however, all agreed that it was a worthwhile learning experience.

j. We have continued concentration on an active information program. The PAS has visited the following four-year, non-ROTC colleges in the state to explain the new two-year program: College of Albuquerque, St Michael's College, Santa Fe, St John's, Santa Fe, Highland University, Las Vegas, and New Mexico Institute of Mining & Technology in Socorro.

Excellent cooperation has been received from local TV stations for all detachment functions. Although our recruiting interest in high school seniors has lessened somewhat because of our new program, we are continuing to send junior and senior cadets briefing teams to the local high schools.

k. A dual agreement has been negotiated authorizing the College of Albuquerque students to attend Air Force ROTC classes at UNM. This agreement was finalized on 9 February 1966. This agreement has proven to be beneficial to all concerned.

l. Arnold Air Society (AAS): The highlight of AAS activities this year was "Project Eyesore." Working with the Albuquerque beautification Committee, AAS maintained a large city map in the Detachment depicting unsightly areas in the city. AAS and Angel Flight members traveled throughout the city depicting "eyesore" areas. Homecoming decoration was again sponsored by AAS. This year's theme was "Those Fabulous Men in Their Flying Machines." The display was ranked second in the independent class. During the past year, this detachment was Wing I Headquarters for AAS. Wing I consists of AAS squadrons at Arizona State University, University of Arizona, New Mexico State University and UNM. This detachment will again be Wing I headquarters next year.

m. Fiesta Day Review: This joint Navy-Air Force ROTC review occurred on 10 May 1966 at Zimmerman Field. President Popejoy and representatives from various donating organizations presented the trophies.

2. Significant Plans and Recommendations for the Near Future.

a. During Academic Year 1966-67, this detachment will begin instructing the junior and senior courses in alternate years. Next year, AS 400 (senior) only will be offered. Hq AFROTC has granted approval for this procedure. Such an arrangement allows for better scheduling and better utilization of our two officer instructors.

b. Two hours per month of Corps Training will be initiated next year. Included herein will be some flight drill.

c. Financial Assistance Program:

During the 66-67 Academic Year, six cadets will be receiving monetary grants to cover tuition and books and will receive \$50 per month subsistence pay. These cadets are:

Gary Wilson	Junior
Richard Strome	Junior
Donald Robertson	Senior
James Flagstead	Senior
William Griffith	Senior
Walter Huebner	Senior

d. Angel-of-the-Year Orientation Flight. This activity, begun in 64-65, will continue in coming years. The Angel Flight will select one member who has made the greatest contribution to Angel Flight, USAF and AFROTC and designate her Angel-of-the-Year. The 1966 winner was Miss Candy Cowan, former Area I Commander of Angel Flight. Normally, the ride is given in a jet aircraft, T-39. However this year it was necessary to use a navigator trainer, T-29. Candy was accompanied by 6 cadets.

ANNUAL REPORT OF NROTC UNIT
1 July 1965 - 30 June 1966
Tony F. SCHNEIDER, Captain, USN

15 August 1966

1. Significant developments during the academic year 1965-1966:

a. Number of graduates during this period:

	<u>Aug 65</u>	<u>Sep 65</u>	<u>Jan 66</u>	<u>Jun 66</u>
(1) NROTC:				
Ensign, USN	3		2	13
Ensign, USN-R	1			3
Second Lieutenant, USMC	<u> </u>	<u> </u>	<u> </u>	<u>2</u>
Total:	4	0	2	18
(2) NESEP:				
OCS - Ensign			2	11
Second Lieutenant, USMC				
(3) NAVY NURSE CORPS:				
Ensign, USN Nurse Corps			1-Dec	1-Mar
(4) Enlisted staff member				
commissioned, USMC -				
Second Lieutenant				1-May

b. NROTC enrollment for academic year 1965-1966:

	<u>Regular</u>		<u>Contract</u>	
	<u>Beginning</u>	<u>End</u>	<u>Beginning</u>	<u>End</u>
Freshmen	27	28	58	33
(Gained 12 CON - Midterm)				(12)
Sophomores	27	26	19	14
Juniors	22	25	9	14
(Two-Yr NROTC Contract)			(9)	
Seniors	<u>26</u>	<u>11</u>	<u>6</u>	<u>2</u>
Total:	102	90	101	75

c. NESEP enrollment for academic year 1965-1966:

<u>Beginning</u>	<u>End</u>
72	56

d. Social activities of NROTC Midshipmen:

(1) On 12 September 1965 the Naval Reserve Officers Training Corps held an "open house", extending invitations to all Freshmen and their parents. At this time an orientation period was conducted and all interested freshmen were interviewed by the Staff of the NROTC

Unit. During July and August approximately 1600 letters and Contract booklets were mailed to all incoming male freshmen enrolled in the University.

(2) In October 1965 the Wardroom Society held their annual Battalion picnic.

(3) On 26 October 1965 Navy Day was celebrated at the Unit, a performance was given by the Sword Team and the Drill Team. The Battalion was addressed by Captain J. E. SAVAGE, USN, Director, Navy Recruiting, 7th Navy Recruiting Area, Dallas, Texas.

(4) On the 10th of November the Marine Birthday Ball was held at the Sandia Base Officers Club. All Marine Option students and staff attended.

(5) The Unit's annual Shipwreck Ball was held on the 3d December 1965. The Commanding Officer and Staff served as judges for the best costumes.

(6) On the 8th of February 1966 the annual joint Military Ball was held at the Kirtland Officers Club. The Navy Queen for 1966 was Miss Sharon Birkenbuel, escorted by Midshipman John Rice; Air Force Queen for 1966 was Miss Pam Hennessey, escorted by Cadet Bob Clarkson.

(7) The Naval ROTC Women's Auxiliary, the "Clippers", started their fourth year with a Fall Rush program. During the year, the Clippers participated in the following activities:

- (a) Informal coffees were held twice monthly for the midshipmen.
- (b) The group helped decorate for the annual Shipwreck Ball, the Military Ball, the Spring Formal and the commissioning banquet.
- (c) The 1st of May, the Clippers held a picnic for the 2/c and 3/c Midshipmen.
- (d) The Clippers held their Commissioning Banquet at the Sandia Base Officers Club for graduating Midshipmen.
- (e) Correspondence is being carried on at present to perform a service project for the Navy personnel overseas. Activities for the future also include their service project which is collecting clothes and toys for children at Bernalillo County Indian Hospital.

(8) On the 17th May 1966, Rear Admiral Pierre N. CHARBONNET, Jr. and Staff from the EIGHTH Naval District, visited the Unit. The Admiral inspected the NROTC Battalion.

(9) On the 19th May 1966 the Annual Joint NROTC-AFROTC Review and Awards Ceremony was held.

(10) The Annual NROTC Spring Formal was held the end of May, dinner and dancing at Diamond Jim's. The Ring Ceremony is a tradition wherein the Midshipmen rings are dipped in the "Water of the Seven Seas".

(11) On the 10th June 1966, 16 Midshipmen received their commissions as Ensigns in the U. S. Navy/U. S. Naval Reserve; two were commissioned as Second Lieutenants in the U. S. Marine Corps; and 11 NESEP students were graduated and ordered to Officer Candidate School, Newport, Rhode Island.

Captain and Mrs. SCHNEIDER honored graduating midshipmen and NESEP graduates and their guests at a reception at their home during the afternoon.

The new officers received their University of New Mexico diplomas Friday evening, 10 June 1966, at Commencement Exercises in Johnson Gym.

e. Navy Flight Indoctrination Program:

Again this year the NROTC Unit offered the Flight Indoctrination Program, this gives NROTC seniors a chance to experience flight training before reporting to Pensacola. Started three years ago, it has proven itself a success by the high percentage of its graduates who go on to Pensacola to win their wings of gold. The FIP student's course consists of ground school and flying. This is done through a private firm, contracted by the Navy. Completion qualifies the student for a private pilots license. Orientation flights are given in a T-34 basic trainer, approximately 100 flights were made.

f. Airborne Training:

Approximately 14 Midshipmen applied for jump school this

year. This Unit received a quota authorizing seven midshipmen to attend Airborne Training at Fort Benning, Georgia this summer. These midshipmen will qualify for the Basic Parachute Insignia.

g. NROTC Drill Team and Sword Team Competition:

The NROTC Drill Team has adopted the name, UNM Roadrunners. Last year they attended the 1965 Mardi Gras held in New Orleans and placed fourth in competition. Again this year they were invited back to Mardi Gras. In competition with Units from all over the country our team took first place in the All American Drill Competition. The team was billeted aboard the USS LEXINGTON during their stay in New Orleans.

The entire Battalion took part in the sweep-down operation of the University gymnasium after basketball games in order to raise money to send the Drill Team to the Mardi Gras celebration in New Orleans.

The NROTC Sword Team participated in the annual Navy Day activities and during the University's Homecoming, performing during the half-time. They also accompanied the Drill Team to the Mardi Gras and greatly contributed to our first place effort.

h. NROTC Rifle Team Competition:

The NROTC Rifle Team participated in two shoulder-to-shoulder matches this year. In the first match at New Mexico Military Institute the team placed three team members in the top five shooters. In the second match at Roswell the team placed second overall. Midshipman 3/C Norman HARRIS took the State Senior individual honors, placed 1st in the Eighth Naval District, was a member of the winning two man team in the state, and placed second in the Secretary of Navy Rifle Shoot. Midshipman ROEPKE placed second in the Eighth Naval District Shoot.

i. NROTC Intra-mural Participation:

During the year, the NROTC Midshipmen participated in Intra-mural Sports. Overall University standing, the NROTC was among the top three. First in football; 1st overall 4th year in a row in swimming; volleyball 1st overall; track 1st places-one 3rd; tennis 3rd place; and squash 4th place. Weightlifting, badminton, bowling, hand-

ball, wrestling and mushball are also among the sports entered. Many of the Midshipmen have participated in Karate lessons. Steve CLAPPER who earned the Black Belt in Japan acts as instructor for the group. The emphasis of Shinto Karate is on style, strength, self-control, and confidence.

j. NROTC Orientation Field Trips:

During the spring recess 22 Midshipmen visited naval facilities in the San Diego area on an orientation tour. Some of the installations visited were the Naval Station, Navy Electronics Laboratory, Ballast Point Submarine Facility, Naval Air Station at Miramar, Naval Training Center, a US destroyer and submarine and the facilities of an aviation patrol training squadron. The tour was completed by a one day tour of Disneyland before returning to the Albuquerque area.

Also over spring recess, another group of 26 Midshipmen were the guests of the U. S. Marine Corps for two days at Camp Pendleton and the El Toro Marine Air Base. The Midshipmen were given instruction in the uses of some of our most modern small arms and given a chance to actually fire the weapons. Excellent demonstrations were presented concerning several of the air support functions on the base, this included fire fighting, survival training, and control tower operations.

k. THE ANNUAL JOINT REVIEW AND AWARDS CEREMONY:

This was presented the 19th May 1966 on Zimmerman Field, University of New Mexico. The joint NROTC/AFROTC presentation of awards are as follows:

General Dynamics Award for Outstanding Achievement as an NROTC Senior.

Midshipman Brian L. WEBBER, presented by President Tom L. POPEJOY.

General Dynamics Award for the Outstanding Air Science Cadet selected for the Advanced Corps.

Cadet Richard E. BERRY, presented by President Tom L. POPEJOY.

North American Aviation Corporation NROTC Flight Indoctrination Program Award to Senior with Highest flight and ground school grades.

Midshipman James E. MILLER, presented by President Tom L. POPEJOY.

Military Order of World Wars Award for High Motivation and Aptitude for a Service Career.

Midshipman Charles R. CHAMPE and Cadet Richard E. BERRY, presented by Lt Cdr A. L. SMITH, USN, Ret. and Lt Cdr George F. DICKINS, USN, Ret.

Retired Officer's Association Award for Motivation and Excellence in Military Science.

Midshipman Ross M. MACASKILL and Cadet Gary H. WILSON, presented by Capt Oscar E. HAGBERG, USN, Ret. and Lt Col George E. BECK, USAF, Ret.

Albuquerque Rotary Club Award for Outstanding Citizenship and Leadership.

Midshipman David E. ROGERS and Cadet Leo A. SANCHEZ, presented by Mr. Joe A. LOPEZ.

Sons of the American Revolution Award for Obtaining Highest Academic and Leadership Grades in Military Science.

Midshipman John A. RICE and Cadet Norman D. GONZALES, presented by Mr. Clinton M. ROTH and Mr. Kenneth E. SUTTON, Jr.

Albuquerque Chapter of the Reserve Officer's Association Award for Outstanding Aptitude and Motivation for Aviation.

Midshipman James E. MILLER and Cadet Paul H. WIATER, presented by Lt Cdr Robert W. KNOX, USNR, Ret.

Reserve Officer's Association - Gold Medal - to a senior for highest administrative and organizational ability.

Midshipman Dana J. WOOD and Cadet Leonard J. OTTEN, presented by Colonel Nelson T. TURNER, USAFR, Ret.

Reserve Officer's Association, Department of New Mexico - Silver Medal - for administrative and organizational ability.

Midshipman William J. GALLAGHER and Cadet Samuel M. JONES, presented by Major Richard B. LAING, USAR, Ret.

Reserve Officer's Association, Department of New Mexico - Bronze Medal - to Junior for administrative and organizational ability.

Midshipman Russell D. HULSING and Cadet Thomas J. SCANLAN, presented by Major Richard B. LAING, USAR, Ret.

Marine Corps Association Award to the Outstanding Marine Option Student.

Midshipman John W. THEISEN, presented by CAPT Tony F. SCHNEIDER, USN.

Naval Institute Award for Outstanding Performance in the NROTC Regular Program and Contract Program.

Midshipman John A. RICE and Midshipman Herbert JULIEN, presented by CAPT Tony F. SCHNEIDER, USN.

Air Force Association for Outstanding Performance in Aerospace studies by a Senior Cadet.

Cadet Joseph R. LENHOFF, presented by Maj General HOOKS, USAF, Ret. "Air Force Times Award" for Materially Contributing to Constructing Public Attention to the Cadet Corps.

Cadet Robert G. CLARKSON, presented by Lt Col William C. NAYLOR, USAF.

1. Two-Year NROTC Contract Program:

This year the U. S. Navy has introduced an additional type of NROTC Program. The program is a two-year program which would be taken by students during their junior and senior years only. The program is specifically designed to afford those students who enter University of New Mexico with advanced standing the opportunity to gain a Navy or Marine Corps commission upon graduation. It is also available for those students who for one reason or another did not enter into the four-year program. This spring nine young men were accepted and have received orders for summer training, upon completion of this training they will return to the Unit in the fall.

m. Navy Enlisted Scientific Education Program (NESEP):

The Navy Enlisted Scientific Education Program had the largest enrollment since the commencement of this program, a total of 74. Thirteen students received their diplomas this academic year. Two NESEPs received the Commanding Officers Meritorious Award for Academic Accomplishment. NESEP KREJCI accomplished an overall grade point of 3.84 on 156 hours attempted; NESEP NELSON accomplished an overall grade point of 3.70 on 144 hours attempted.

n. Nurse Corps Program:

Two students were commissioned this academic year.

o. NROTC Summer Cruise:

June 1966 eighty-three NROTC Midshipmen of the University of New Mexico departed for summer cruises. They will participate in this program and sail on U. S. Naval vessels throughout the world.

p. The Fitness Program:

In view of President KENNEDY's physical fitness program, this Unit held a fitness competition. This included standing broad jump, sit-ups, push-ups, squat thrusts; and three hundred yard shuttle runs. The over all result has been to improve physical fitness. Additionally, all members of this Unit are encouraged to participate in body building PE courses. This University offers an excellent course in Developmental PE which has been heavily subscribed by our Midshipmen.

q. During the year, the Sandia District Explorer Cabinet of the Kit Carson Council of the Boy Scouts of America met monthly in the Wardroom. It is planned that an Explorer Post will be sponsored by the Command in the forth coming year.

2. Significant plans for the future:

a. It is anticipated there will be 30 incoming Regular NROTC Midshipmen and approximately 60 Contract students enrolled this fall.

b. Approximately 25 NESEP A Students will be ordered to the University of New Mexico Semester I, 1966-67.

3. Administrative appointments to the Staff:

SCHNEIDER, Tony F.	Captain, USN	22 August 1965
COSSICK, Deborah L.	Civilian	26 September 1965
FUGATE, Robert W.	LTjg, USNR	30 August 1965
HEADRICK, Earl G.	YNC, USN	10 November 1965
JETER, Norman L.	LCDR, USN	24 August 1965
TROSCLAIR, Herman A.	YNC, USN	1 November 1965
LINDSEY, John W.	ST1, USN	17 January 1966

Names of Incoming Personnel and Proposed Date of Arrival:

JAMES, David, III	LT, USN	September 1966
CLARKE, John C.	LT, USN	September 1966
WIECZOREK, Stanley	QMC, USN	August 1966
MOCHEL, Frederic A.	YN1, USN	October 1966

4. Administrative Separations from the Staff:

NIXON, Sammy C.	YNC, USN	31 August 1965
SHIPMAN, Albert N.	GMGCA, USN	23 August 1965
MYERS, Jerald W.	YNCS, USN	31 December 1965
COSSICK, Deborah L.	Civilian	6 June 1966
STEPHENS, John A.	LCDR, USN	16 June 1966
THORNSLEY, John T.	LCDR, USN	16 June 1966

5. Publications:

a. The SUNLINE is published four times a year at the NROTC Unit

of the University of New Mexico, by the Midshipmen organization which is in no way connected with the Department of the Navy. Opinions expressed by the publishers and editors are their own and are not to be considered an official expression of the Department of the Navy. The purpose of the SUNLINE is to further interest in the NROTC Unit of the University of New Mexico by presenting the Unit's activities throughout the year as well as publishing items of general naval interest.

b. The MARK 66, NROTC Year Book, was published for the second time this spring.

c. The Staff of the SUNLINE was presented Merit Award Certificates for the second year by the Navy Department Chief of Information.

6. Outside Professional Activities of Staff Members:

The Commanding Officer, Captain Tony F. SCHNEIDER, USN, was Senior Naval Officer Present and Commandant, Eighth Naval District Representative in the Northern New Mexico Sub-Area.

7. Outside-sponsored Research:

None.

8. This spring the following 4/C Contract students were awarded Regular appointments and/or appointments to the U. S. Naval Academy:

New Regulars from State Selection Committees:

BABINGTON, William R., Jr.
 BALLINGER, Stephen B.
 DUNNIGAN, Dennis M.
 GUSTAFSUN, Stuart A. (See US NA)
 GUTIERREZ, Ralph T. (See US NA)
 ISON, George Stephen
 LEE, Kenneth Alvard, Jr.
 MUHLHAUSER, Stephen
 RAMSEY, Phillip G.
 SNAVELY, Thomas Plese
 WHITESIDE, Roy Richard

Captain's Nominees for Regular:

CAIN, William Anderson
 TURNER, Harry Guthrie
 WEAVER, Charles Landis

Appointments to U. S. Naval Academy:

CONNOR, Claude
GUSTAFSON, Stuart A.
GUTIERREZ, Ralph T.


TONY F. SCHNEIDER

The Report of the Bureau of Business Research
July 1, 1965-June 30, 1966
Arthur A. Blumenfeld, Director

The year 1965-66 marked 21 years of service for the Bureau of Business Research in its expanding programs and services to the University, the State, the New Mexico business community, local governments, institutions, and individual citizens.

I. PROGRAM AND ACTIVITIES

Data Collecting and Processing--The Bureau continued to provide information on New Mexico economic and business activities in ever-increasing detail.

During the year 37 new statistical series were added to our statistical page. In our September issue of New Mexico Business we revised the statistical page. All items were placed under 10 main headings with a total of 109 statistical measures. We hope to add more measures during the coming year.

Our plans to develop the transfer of Bureau statistical files to electronic data-processing (EDP) equipment were completed as far as the basic logic of the program was concerned.

Special Projects

Several phases of the economic-base study, which we have been working on for a number of years, were completed this year: "Projection of the Population to the Year 2,000" and "A Preview of the Input-Output Study." Two other sections, "New Mexico's Imports and Exports" and the "Technical Supplement to the New Mexico Input-Output Study" are in

draft form, and we hope to publish them during the coming year.

1. The State Resources Development Plan--The State Planning Office asked the Bureau to undertake the editing and publishing of the abstracts of all participants of the State Resources Development Plan. One-thousand copies were printed and given to the State Planning Office for distribution.

2. Technology Application Center--TAC (NASA sponsored) was made a division of the Bureau and now has a director with a staff of nine people.

3. Center for Community Action Services--Our proposal to establish the CCAS was approved by the U.S. Office of Economic Opportunity; the Center is now a division of the Bureau. At the present time the Center has a director with a staff of 10 people.

5. Wage and Salary Surveys--Professor Dillman's survey of faculty salaries in Colleges of Business Administration across the country was published and distributed. Mr. Dillman continued work on a second survey.

A joint project for a wage-and-salary survey was conducted with the University's Office of Non-Academic Personnel.

6. A labor survey was conducted by the Roswell Industrial Development Corporation. The Corporation sent us the information which we coded, key punched, and programmed in the computer to give them the correct information that they had requested.

7. Several counties in the State have requested our help in compiling information about their counties to use in obtaining funds from the Office of Economic Opportunity.

8. Department of Finance-Bureau of Revenue--The Bureau continued to serve as consultants to both State agencies.

9. New Mexico Data Bank--The Data Bank was established by the Legislature with a budget of \$25,000 to begin operating in July 1966. We plan to distribute brochures announcing the Data Bank as widely as possible during the coming year.

10. Faculty Participation--For the summer of 1966 Professors Alfred Parker, William Gafford, and Everett G. Dillman were added to the Bureau's staff to work on the State Technical Services Program. We also had two faculty members from New Mexico State University to work with Professors Parker and Gafford. Professor Kenneth Olm, Visiting Professor for 1966-67 from the University of Texas also worked during the summer on this project.

11. The project to study the feasibility of a paper pulp plant in New Mexico that Dr. Rudyard Goode was conducting for the U.S. Forest Service was completed and submitted to the Forest Service for publication. The Forest Service should have copies for distribution by July 1966.

Publications and Related Programs

We have continued to enlarge our publications program and have also succeeded in getting outstanding persons to submit articles for our

monthly publication, New Mexico Business. Among the well-known individuals whose work appeared in NMB during 1965-66 were Governor Jack M. Campbell, Alvin J. Thompson, Director of the State Mines and Mineral Resources, Congressmen Clinton P. Anderson, Joseph M. Montoya, and E. S. Johnny Walker.

Publications issued during the year included the 12 monthly issues of NMB, four quarterly issues of RFPB, and one title in the "BIS."

NMB

We have continued to enlarge our distribution of New Mexico Business. Our average circulation was increased from 1,386 to 1,508. Copies distributed during the year totaled about 18,117 by regular mailing, 274 by requests, and 1,258 in sales of reprints for a grand total of 19,649.

In our September issue we revised our statistical page. All items were placed under 10 main headings with a total of 109 statistical measures. We hope to add more measures during the coming year. As usual, the March issue was a review of the State's economy during the preceding calendar year. Eleven reprints were issued.

Requests for Information

The Bureau last year received 718 requests for information, in addition to those for specific publications.

	<u>Requests for Information and/or Other Services</u>			
	<u>Total</u> <u>Received</u>	<u>Requests</u> <u>Filled</u>	<u>And/or Referred</u> <u>Elsewhere</u>	<u>Unable to</u> <u>Handle</u>
Data & interpretations	17	17		
Statistics only	205	195	5	5
Concerning methods	8	8		
Miscellaneous Information	309	268	33	8
Specific publications	2,642	2,633	8	1
Totals	3,181	3,121	46	14

The following distribution was made of our publications:

Business Information Series	245
Studies in Business and Economics	152
Reprints and New Mexico Business	2,029
Food Price Bulletin	18
Miscellaneous Publications	19

Other Publications -- Only one issue in the Business Information Series was published -- Estimates of the 1965 Population of New Mexico Counties, by Ralph L. Edgel and A. David Sandoval, No. 44.

Miscellaneous Publications:

The Economic and Social Values of Hunting and Fishing in New Mexico, a study conducted by Professor Thomas O. Kirkpatrick for the New Mexico Department of Game and Fish was published and distributed.

A preliminary draft of the "Frame of Reference for Evaluating New Mexico's Resources" was written by R. L. Edgel and D. I. Cline. We made 150 copies available to the State Planning Office.

We edited and published 1,000 copies of the abstracts submitted to the State Planning Office by all the participants in the State Resources Development Plan. These copies were distributed by the State Planning Office.

We also published A Survey of Starting Salaries Paid by Colleges with Curricula in Commerce and Business by Professor Everett G. Dillman.

Conference Programs

Sponsorship, administrative management, and "housekeeping" details for the Southwest Management Development Program were

continued during the year, in cooperation with the College of Business Administration.

During 1965-66 three one-week general-management conferences, one advanced conference, and one week-long program for engineering personnel of the State Highway Department were conducted at Bishop's Lodge near Santa Fe. This was the third year that we have conducted a conference for the Highway Department. Conference leaders for these programs were from the College of Business Administration, College of Education and the Department of Speech.

For the third year, during the summer of 1966 the Bureau and the CBA, in cooperation with the Bureau of Indian Affairs, sponsored an eight-week summer program for managers and other administrative employees (about 20) of tribal business enterprises. Professor Dillman was the coordinator of the 1966 program.

Dr. Nolan and Dr. Herman in cooperation with the BBR held a two day seminar for Rust Tractor Company of Albuquerque.

Building Program

With the approved construction of the CBA and the Bureau building, space requirements of the Bureau will be taken care of.

II. STAFF

In addition to our TAC and CCAP personnel, our Bureau staff has been increased to include a part-time data-processing programmer.

Arthur A. Blumenfeld, M.A., Director, appointed Research Assistant, Jan. 21, 1955; Assistant Economist, Sept. 1, 1958; Associate Economist, July 1, 1962; Acting Director, Aug. 1, 1962; resigned, Jan. 31, 1963; Director, Sept. 1, 1963. Memberships and Committees: UNM Research and Patent Committee; College of Business Administration Building Committee; Supervisory Committee of the Coronado Credit Union; U. S. Department of Commerce, Regional Export Expansion Council; State of New Mexico Emergency Planning Committee and Economic Stabilization Subcommittee; Association of Bureaus of Business and Economic Research, Bureau Image Committee; Albuquerque Community Council; Albuquerque Survey Committee and Community Profile Subcommittee; Albuquerque-Bernalillo County Economic Opportunity Board, Chairman, Executive Committee; American Economic Association; Western Economic Association; National Tax Association; Western Governmental Research Association. Talks: New Mexico Municipal League, Governor's Economic Group, Sertoma, Albuquerque Technical Vocational Institute, Annual Conference of City Managers, S & H Lecture Programs held at New Mexico Highlands University, G.I. Forum, Summer Institute for Teachers in Schools Enrolling Pueblo Children held on Campus. Meetings and Other Activities: Advanced graduate work, University of Colorado; Consultant to State Planning Office on SRDP; Consultant Department of Finance and Administration on Revenue estimates and public-school finance problems; Association of University Bureaus of Business and Economic Research, San Diego, California; Regional Science Association at Santa Barbara, California; attended four meetings for the State Technical Services Act, three in Washington, D.C. and one in Georgia. Three meetings held in Washington concerning the proposals for the Office of Economic Opportunity. Two trips to Washington, D.C. to attend meetings concerning Title I, Higher Education Act of 1965. Two meetings Western Governor's Conference.

Ralph L. Edgel, M.B.A., Business Analyst and Professor of Business Administration. Appointed Director July 1, 1945, resigned June 30, 1963. Appointed Business Analyst July 1, 1963. Memberships: American Association of University Professors, N.M. Education Association, American Economic Association, American Finance Association, Regional Science Association. Committees: Policy, Graduate Studies Committee of the College of Business Administration. Meetings Attended: Regional Science Association, Santa Barbara, California; Conference on Census Data, Denver, Colorado; Conference on Impact of Defense Cut-backs, Washington, D.C. Private Consultancies and Reports for: banks, small loan companies, and management firms.

Margaret I. Meaders, M.A., Editor, appointed March 18, 1957. Awards: first place (for fifth consecutive year) in Annual Contest of the New Mexico Federation of Press Women for editing of a specialized magazine.

Publications: July NEW MEXICO QUARTERLY, "Pecos Dedication"; NMB (without by-line)--"A Preview of the Input-Output Study" in October; also without a by-line The Economic and Social Values of Hunting and Fishing in New Mexico (104-page book reporting on a survey conducted by someone else; also redid all tables originally prepared by the surveyor) and designed format for the book. Designed entire format for the 165-page Summary Report on New Mexico Resources for the State Planning Office; wrote the Proposal for the UNM Center for Indian Research and Development; in June NMB, first installment of "The Status of Hunting and Fishing in New Mexico," which took up where the book-length report had left off. Speeches: Sept. 1 at NMS Extension Service Work Shop for Workers on Indian Reservations; Oct. 22, banquet speaker at the Annual Meeting of the American Association of Administrative Women in Education; Jan. 15, at Albuquerque Branch, League of American Pen Women; June 20 & 21--two lectures of 90 minutes and two discussion sessions of two hours each for Summer Institute for Teachers in Schools Enrolling Pueblo Children. Meetings: two sessions of the New Mexico Commission on Indian Affairs (one in Santa Fe); annual conference of New Mexico League of American Pen Women (in Albuquerque); was special guest at dedication of Santo Domingo Community House, at Annual Art Show & Fiesta at Jemez Pueblo. Sponsor of Kiva Club, July-February. Invited to serve on Advisory Committee for Cochiti Pueblo (committee set up by the Southwestern Association on Indian Affairs). Memberships: League of American Pen Women; National and N. M. Federation of Press Women; National and Albuquerque Federation of Pen Women; National Wilderness Society; National Geographic Society; National Federation of Wildlife; Theta Sigma Phi and Pi Gamma Mu (national honor societies).

A. David Sandoval. M.A. (dissertation pending at University of Wisconsin), Associate Economist July and August 1964, full time November 8, 1965. Resigned March 11, 1966 to return to graduate school.

Eldon G. Marr. B.A. (M.A. pending at UNM), Assistant Economist, appointed April 1, 1966.

Peter J. LaLonde. B.A. (M.A. pending at UNM), Assistant Economist, appointed July 15, 1963.

David M. Bloom. B.S., Assistant Economist appointed March 9, 1964.

Carolyn G. Lindberg. B.A. (M.A. pending at UNM) Assistant Economist, appointed June 8, 1964.

Linda J. Hawkins. B.A. (M.A. pending at Stanford U.), Assistant Editor, appointed September 15, 1965.

Jacqueline J. Silverman. B.S., Research Assistant, appointed July 1, 1963. Resigned August 20, 1965.

Donald Ducoff. M.B.A. (Research Assistant, appointed September 10, 1962 to June 20, 1963, part-time) Field Representative, appointed March 3, 1964. Resigned August 18, 1965.

William H. McMahan, B.A., Data Processing Programmer appointed part-time September 13, 1965.

Sandra D. Galloway. B.A., Editorial Assistant, appointed June 1, 1964 (part-time February 1964 through May 1964). Resigned August 31, 1965.

Shirley J. Huzarski. B.A., Data Supervisor, appointed June 1, 1959 (part-time November 30, 1953).

Anita S. Park, B.B.A., Adm. Secretary, appointed August 1, 1955.
Outside Activities: Secretarial duties for the American Indian Development Corporation.

Geraldine S. Jewell. Clerk Typist, appointed January 18, 1965.

Virginia E. Ortiz. Clerk-Typist, appointed September 20, 1966.

Catherine A. Gilliam. Statistical Clerk, appointed November 7, 1962.

Mildred L. Taylor. Statistical Clerk, appointed December 2, 1963.

Susan Wang. B.A., Statistical Clerk, appointed part-time September 1963. (Graduate student at UNM). Resigned April 5, 1965.

REPORT OF OFFICE OF RESEARCH AND FELLOWSHIP SERVICES

July 1, 1965 - June 30, 1966

Harold L. Walker, Director

The research program of the University continued to increase during Fiscal Year 1965-66 in total dollars spent (\$4,336,191.17) in research effort and in number (132) of research projects actively pursued in nineteen departments, divisions, and schools. The details of the research program are shown in the section devoted to statistics.

During the year the title of the Director was changed from "Director of Research Services" to "Director of Research and Fellowship Services." The Director is also Secretary of the Graduate Fellowship Committee in the Graduate School. The number of graduate fellowships awarded for academic 1966-67 was 158 as compared to 82 for academic 1965-66. The details of the fellowship program are shown in the section devoted to graduate fellowships. Academic year 1965-66 represents the first effort on the part of the University to centralize the administration of the various fellowship programs in a single office in the Graduate School.

RESEARCHStatistics

1. Financial: During FY 1965-66 there were 132 sponsored research programs, as compared to 115 in FY 1964-65, administered by nineteen departments, divisions, and schools of the University. For FY 1966 total reimbursements from contracts and grants to the University for research accomplished amounted to \$3,504,285.01, an increase of \$562,069.22 or 19.1 percent over 1965. The distribution of net billings for research and the percentage of change are tabulated as follows:

	<u>FY 1965</u>	<u>FY 1966</u>	<u>Percentage of Change</u>
Salaries	\$1,630,032.10	\$1,770,849.96	+ 8.6
Expenses	969,328.07	1,263,556.39	+30.4
Indirect Costs	<u>342,855.62</u>	<u>469,878.66</u>	<u>+37.0</u>
Total	\$2,942,215.79	\$3,504,285.01	+19.1

Details of individual projects, by departments, are given in Appendixes A and B.

In addition to research expenditures funded by extramural agencies through contracts and grants, the University funded research in FY 1966 as follows:

	<u>Salaries</u>	<u>Expenses</u>	<u>Totals</u>
Office of Research Services	\$18,484.44	\$1,909.06	\$20,393.50
Historical Research	10,914.80	5,609.38	16,524.13
Government Research	3,496.08	5,333.78	8,829.86
Bureau of Business Research	73,331.11	8,232.33	81,563.44
Southwestern Journal of Anthropology	7,624.84	11,480.01	19,104.85
Natural Resources Journal	- -	12,977.89	12,977.89
Research Publications	- -	2,238.92	2,238.92
General Research	- -	21,324.87	21,324.87
Bureau of Engineering Research	- -	16,884.66	16,884.66
Miscellaneous Research	- -	36,424.87	36,424.87
Civil Engineering Research Facility	- -	1,677.67	1,677.67
State Planning	6,908.16	7,074.20	13,982.36
Historical Review	- -	4,119.76	4,119.76
New Mexico Quarterly Review	- -	7,742.45	7,742.45
Research Computer Center	35,651.54	19,986.62	55,638.16
Physics Research Building	- -	428,962.00	428,962.00
Biology Research Building	- -	83,517.00	83,517.00
Total	\$156,410.97	\$675,495.19	\$831,906.16

The total University research expenditures during FY 1966 amounted to \$4,336,191.17, of which the University funded \$831,906.16 or 19.2 percent. The University-funded research expenditures during FY 1965 amounted to \$410,011.16 or an increase of 102.9 percent in FY 1966. The total University research expenditures, external-plus-internal funding, during FY 1966 amounted to \$4,336,191.17 as compared to \$3,352,226.95 in FY 1965 or an increase of 29.4 percent in FY 1966.

The precise dollar value of active research contracts and grants on July 1, 1966 is not known, but it approximates \$5,607,000 as compared to \$4,600,000 on July 1, 1965, or an increase of 21.9 percent.

The magazine, *INDUSTRIAL RESEARCH*, in a lead article on Research Development in Educational Institutions in the United States stated that 100 educational institutions spent 90 percent of the Federal Research and Development budget in FY 1965, and the University of New Mexico stood 74th among the 100 universities spending 90 percent of Federal funds.

The trends of research expenditures from contracts and grants are shown in Appendix C, which is plotted on a semilogarithmic scale so that equal distances represent equal percentages of change. The percentage of change over the past eight years, for which complete data are available, is as follows:

	<u>Percentage of Change</u>
Salaries and Wages Reimbursement	+ 424
Expenses Reimbursement	+1063
Indirect Costs Reimbursement	+ 476
Total Reimbursement	+ 544

These data show that the percentage increase in total reimbursement is reflected most in the item for research expense and reflects the fact that we have been able to secure funds for equipment, supplies, travel, and incidental items at a greater rate than for salaries, indirect costs, and total reimbursement for research performed. Indirect costs are a function of salaries and wages and, in general, should parallel each other in the rate of growth, but the indirect cost reimbursement increased from 21.0 percent in 1965 to 26.5 percent in 1966. The increase in direct cost reimbursement of 12.6 percent in FY 1966 over FY 1965 is accounted for by (a) an increase in the School of Medicine of 1.9 percent in FY 1965 to 13.2 percent in FY 1966, and (b) termination of an off-campus Scientific Aide Program of \$360,000 per year in which the off-campus indirect cost rate was 15 percent as compared to an on-campus indirect cost rate of 33 percent. Indirect-cost reimbursements as a percentage of salaries and

wages and of total costs for the period FY 1960 through FY 1966 are shown by the following data:

	Fiscal Year						
	1960	1961	1962	1963	1964	1965	1966
Indirect Costs as a Percentage of Salaries and Wages	33.3	33.6	31.6	23.0	24.3	21.0	26.5
Indirect Costs as a Percentage of Total Costs ...	17.5	17.5	16.3	11.2	12.9	11.7	13.4

2. Sources of Sponsorship: Outside support for research included Federal Agencies and Prime Contractors to the Federal Government, State of New Mexico Agencies, Philanthropic Organizations, and Private Organizations. The following lists the sponsoring agencies and number of projects sponsored:

Federal Agencies and Prime Contractors to the Federal Government

- (4) Air Force Missile Development Center (AFMDC)
- (4) Air Force Office of Scientific Research (AFOSR)
- (3) Air Force Systems Command (AFSC)
- (10) Air Force Weapons Laboratory (AFWL)
- (3) Atomic Energy Commission (AEC)
- (19) Department of Health, Education, & Welfare (DHEW)
- (13) National Aeronautics and Space Administration (NASA)
- (12) National Institutes of Health (NIH)
- (28) National Science Foundation (NSF)
- (1) Office of Economic Opportunity (OEO)
- (1) Office of Naval Research (ONR)
- (1) Rocky Mountain Forest & Experiment Station (RMFES)
- (17) Sandia Corporation (SC)
- (1) U.S. Army Medical Research Center (USAMRC)

State of New Mexico Agencies

- (1) New Mexico State Highway Department (NMSHD)
- (1) New Mexico State University (NMSU)

Philanthropic Organizations

- (1) Easter Seal Research Foundation (ESRF)
- (1) Ford Foundation (FF)
- (1) Resources for the Future (RFF)

Private Organizations

- (1) Allied Chemical (AC)
- (1) American Chemical Society (ACS)
- (1) American Heart Association (AHA)
- (1) H. G. Place (H. G. PLACE)
- (2) Research Corporation (RC)
- (1) Rio Rancho Estates (RRE)
- (1) Sandoz Pharmaceutical (SP)
- (2) University of California (UC)

The dollar breakdown of research support by source:

	<u>Amount</u>	<u>Percent</u>
Federal Agencies and Prime Contractors (117)	\$3,374,955.39	77.8
State of New Mexico Agencies (2)	11,981.03	0.3
Philanthropic Organizations (3)	34,819.44	0.8
Private Organizations (10)	82,529.15	1.9
University of New Mexico (15)	<u>831,906.16</u>	<u>19.2</u>
Total	\$4,336,191.17	100.0

The Air Force Weapons Laboratory and Sandia Corporation are located in Albuquerque and support sizable research programs at the University. The data for research support by these organizations: Air Force Weapons Laboratory supported 10 research projects and reimbursed the University \$1,153,886.67 or 32.9 percent; Sandia Corporation supported 16 projects with a total reimbursement to the University of \$213,822.64 or 6.1 percent of the total research reimbursement in FY 1966.

ACTIVITIES RELATED TO RESEARCHSandia Corporation Educational Aids Program

The Sandia Corporation Educational Aids Program provides for the indefinite loan of scientific equipment, surplus to the Corporation's needs, to the University for education and research. The program has been in operation since 1958-59.

The Director of Research and Fellowship Services had administered this program from its inception until November 1965, when a physical inventory was made by Sandia Corporation personnel, and administration of the Educational Aids Program was transferred to Prof. Charles T. Grace,

Assistant to the Dean of the College of Engineering and Director of the Sandia Corporation Technical Development and Educational Aids Programs. At the time of the transfer the acquisition cost of equipment on indefinite loan to the University was in excess of \$550,000.

Reprints of Scholarly Publications

The University has a policy for purchasing reprint copies -- not to exceed 100 in number or \$75 in cost -- of technical, scientific, and scholarly publications by its faculty. In FY 1966, through the Director of Research and Fellowship Services, the University purchased more than 4,750 copies of 34 reprints of publications by 44 of its faculty at a cost of \$1,200.

Visiting Lecturers in the Humanities and Social Sciences

A program and budget for visiting lecturers in the humanities and social sciences was inaugurated and administered by the Director of Research Services in FY 1964-65. In FY 1965-66 administration of this program was vested in a committee with Dr. Gunther Rothenberg as Chairman.

A program and budget for visiting lecturers in the engineering, mathematical, and physical sciences were also in existence in FY 1966 with Dr. Glen A. Crosby as Chairman of the committee which administered the program.

Security

The University has a Facility Security Clearance for receipt and storage of classified information in the Research Center, and the Director of Research and Fellowship Services acts as Security Coordinator for the University. At the close of FY 1966, the University had six classified (Secret) research contracts and 138 faculty, staff, and students holding security clearances permitting access to classified information. Of the 138 total, 92 employees with security clearances were at the Eric H. Wang Civil Engineering Research Facility located on south Sandia Base premises.

Air Force Mathematical and Scientific Aides Program

The University had a contract with the Air Force Special Weapons Center, Kirtland Air Force Base for "Mathematical and Scientific Aide

Assistance to the Research Directorate of the Air Force Weapons Laboratory." The first contract was for December 15, 1960, through June 30, 1961; and the amount was \$13,380. The final contract was for October 1, 1964, through September 30, 1965; and the amount was \$255,597. The total of contracts for December 15, 1960, through September 30, 1965, amounted to \$632,634.80.

The purpose of this program was to furnish University students to the Air Force Weapons Laboratory to assist senior scientists and engineers in scientific and engineering research and development projects, and to assist in the design and construction of equipment for scientific research. One hundred and seven students majoring in physics, chemistry, mathematics, biology, architecture, electrical engineering, mechanical engineering, and civil engineering were employed at the close of the contract on September 30, 1965.

This contract, worthy as it was, was terminated after an investigation by the U.S. Civil Service Commission in which it was decided that the University was furnishing personal services and that the contract called for non-personal services, the distinction being that students were working under the supervision of Air Force officer personnel and U.S. Civil Service employees which resulted in the reduction of an equivalent full-time number of Civil Service employees.

Fellowship Program

The Office of Fellowship Services was established in academic 1964-65. Prior to that academic year, there had not been a coordinator of fellowship activities, nor a centralized office for fellowship activities and information. Previously, individuals on the faculty had acted as sources of information and assisted in the individual fellowship programs on campus.

The following data show numbers of fellowships and their sponsors for academic 1965-66 and the number of fellowships awarded in the spring of 1966 for academic year 1966-67. The 1966-67 Fellows will start their tenure in September 1966 for the academic year 1966-67.

The following data show the dollar value of fellowships, stipends, and dependency allowances to graduate students, and the cost-of-education allowances to the University from Federal agencies and private foundations.

<u>Sponsors</u>	<u>Fellows 1965-66</u>	<u>Fellows 1966-67</u>
National Aeronautics and Space Adminis- tration Trainees	22	24
NSF Graduate Fellows	--	3
NSF Graduate Trainees	10	16
NSF Cooperative Fellows	3	1 *
NSF Summer Fellows	--	2
National Woodrow Wilson Fellows	2	1
NDEA Title IV Fellows	6	36
NDEA Title VI Fellows	3	8
Ford Foundation Fellows	--	3
Amer. Assoc. of Univ. Women Fellows	--	2
UNM Fellows	14	38
UNM Peace Corps Fellows	10	6
Vocational Rehabilitation Administration Fellows	--	3
Public Law 85 Trainees	--	3
National Institute Mental Health Fellows	10	10
International Institute Educ. Fellows	--	1
AEC Nuclear Engineering Fellows	--	1
Total	82	158

*The NSF Graduate Cooperative Fellowship program was merged with the NSF Graduate Traineeship program in 1965; new fellowships were not offered for academic 1966-67.

Fellowship stipends, cost-of-education allowances and dependency allowances for FY 1966 were as follows:

	<u>Federal and Other</u>	<u>UNM</u>	
Fellowship Stipends	\$282,268	\$81,530	
Cost-of-Education Allowances	202,380	--	
Dependency Allowances (85)	45,800	--	
Total	\$530,448	\$81,530	\$611,978

In addition to the fellowships enumerated above, the following data represent additional financial assistance to 400 graduate students for academic 1965-66:

UNM Graduate Assistants	248	\$559,300
UNM Graduate Research Assistants	119	342,000
UNM Graduate Teaching Assistants	33	86,400
Total	400	\$987,700

Govenor Jack M. Campbell's Scientific Advisory Committee

The Governor appointed the Scientific Advisory Committee in August 1963 and gave it the task of preparing a proposal to the National Aero-

nautics and Space Administration for the location of a Space Port - Apollo, Gemini, and other space-vehicle landings - at the Holloman Air Force Base-White Sands Missile Range. The Advisory Committee had three meetings during 1965-66: (1) to upgrade the Space Port Proposal to NASA, (2) to consider methods of producing and utilizing mineral resources in New Mexico, and (3) to study and make recommendations on the use of nuclear energy in the mineral resources industry of the state, especially on the use of nuclear energy in the petroleum industry.

Eric H. Wang Civil Engineering Research Facility

The Eric H. Wang Civil Engineering Research Facility reports through the Graduate School for administrative purposes. The facility has been operated by the University with a contract to the Air Force Special Weapons Center for five years since April 1961. In the past I have made an annual report for the facility, but for 1965-66, I have asked Dr. Eugene Zwayer, Director, to prepare and submit a separate Civil Engineering Research Facility report.

Research Computer Center

During the year the University acquired and put into operation, in May 1966, an IBM System 360 Model 40 Digital Computer. Although I have reported on the Research Computer Center activities in the past, a new Director of the Computer Center has been appointed (effective July 1, 1966); and I have requested Dale Sparks, who has been Director of the Research Center, to prepare the annual report and submit it as a separate item. The University's digital computer program has progressed rapidly since acquiring MANIAC I from Los Alamos Scientific Laboratory in 1958-59 and securing the Computer Research Corporation 102A from Sandia Corporation in 1961-62. The MANIAC I computer was abandoned and cannibalized in 1965-66 to permit reconstruction of the space to house the IBM 360/40. Portions of MANIAC I were returned to Los Alamos Scientific Laboratory for their museum since the computer has historical value. MANIAC I was the computer on which the calculations were made for the first fusion (hydrogen) nuclear weapon. Other electronic components of MANIAC I were given to Electrical Engineering for departmental use.

An intriguing plan and idea has been developed to tie all other state educational institutions into the University's IBM 360 by making

each campus a satellite station through utilization of input-output equipment and with the University's IBM 360 as the central-computing instrument. This would permit the individual campuses to transmit problems to the Research Computer Center; and the IBM 360 would do the computations and transmit the results back to the print-out equipment on the individual campuses. This plan is feasible and would certainly save the State of New Mexico much money by negating the need for expensive digital computer equipment in each of the state-supported educational institutions.

APPENDIX A

REIMBURSEMENT TO THE UNIVERSITY FOR RESEARCH ACCOMPLISHED IN FY 1965-66

	<u>PRINCIPAL INVESTIGATORS</u>	<u>SPONSORS*</u>	<u>SALARIES</u>	<u>EXPENSES</u>	<u>INDIRECT COSTS</u>	<u>TOTALS</u>
<u>ANTHROPOLOGY</u>						
Social Structure of Matengo	Basehart	NSF	\$ 782.00	\$ 111.89	\$180.78	\$1,074.67
Prehistoric Chama Valley	Ellis	NSF	- -	649.00	129.80	778.80
Evacuation of Folsom Site	Hibben	RRE	- -	1,300.00	- -	1,300.00
Dissertation Research in Anthropology	Campbell	NSF	- -	1,078.00	- -	1,078.00
Dissertation Research in Anthropology	Basehart	NSF	- -	43.40	- -	43.40
U.C.L.A. Grant	Gonzales	U.C.L.A.	900.00	- -	- -	900.00
			<u>\$1,682.00</u>	<u>\$3,182.29</u>	<u>\$310.58</u>	<u>\$5,174.87</u>
<u>BIOLOGY</u>						
Physiological Strain in Hibernation & Estivation	Riedesel	NSF	\$ 1,532.50	\$ 928.83	\$ 466.67	\$ 2,928.00
Plant Changes in New Mexico	Potter	RMFES	- -	54.47	- -	54.47
Biological Distribution	Riedesel	AEC	9,726.27	3,038.07	5,450.09	18,214.43
Radioisotopes			- -	5,374.94	- -	5,374.94
Bacteriology-Virology Research	Beakley	NSF	- -	5,374.94	- -	5,374.94
			<u>\$11,258.77</u>	<u>\$9,396.31</u>	<u>\$5,916.76</u>	<u>\$26,571.84</u>
<u>CHEMICAL ENGINEERING</u>						
Graphite in Polysterene	Castonguay	SC	\$9,307.00	\$1,884.21	\$2,930.45	\$14,121.66
<u>CHEMISTRY</u>						
Unrestricted Research Grant	Riebsomer	ACC	\$ 304.00	\$ 503.10	- -	\$ 807.10
Research Corp. Venture Grant	Crosby	RC	- -	99.78	- -	99.78
Nucleic Acid Antagonists	Castle	NIH	16,429.35	2,482.35	4,552.15	23,463.85
Cinnolines as Antitumor Agents	Castle	NIH	13,392.06	8,878.51	5,116.84	27,387.41
Elements at Very Low Concentration	Kahn	AEC	14,988.75	2,531.55	4,778.29	22,298.59
Scintillation Solutes	Daub	AEC	11,095.57	2,692.85	6,450.63	20,239.05
Investigation of Luminescent Materials	Crosby	AFOSR	26,805.12	5,827.00	6,119.05	38,751.17

	<u>PRINCIPAL INVESTIGATORS</u>	<u>SPONSORS*</u>	<u>SALARIES</u>	<u>EXPENSES</u>	<u>INDIRECT COSTS</u>	<u>TOTALS</u>
<u>CHEMISTRY (Continued)</u>						
Pyridazines and Nitrogen Heterocycles	Castle	SC	\$ 22,558.76	\$ 2,962.43	\$ 7,845.25	\$ 33,366.44
Carrier-Free Iodine-131	Kahn	UC	1,125.00	8.04	416.25	1,549.29
Alkylaminoethanethiols- Heterocyclic Moieties	Castle	USAMRC	8,595.50	2,687.99	2,479.16	13,762.65
Intramolecular Energy Transfer	Crosby	SC	- -	63.00	- -	63.00
Electrochemistry of Transition Elements	Caton	SC	9,688.93	2,713.65	3,197.33	15,599.91
Nuclear Magnetic Resonance Spectrometer	Castle	NSF	- -	22,750.00	- -	22,750.00
			<u>\$124,983.04</u>	<u>\$54,200.25</u>	<u>\$40,954.95</u>	<u>\$220,138.24</u>
<u>CIVIL ENGINEERING</u>						
Industry and Water Enviroment	Bower	NSF	\$ 6,582.37	\$ 1,224.35	\$1,561.34	\$ 9,368.06
Safety Analysis of Structures	Yao	NSF	7,955.81	1,283.45	1,847.85	11,087.11
Latticed Beam-Columns	Omid'Varan	NSF	1,420.19	41.66	296.41	1,758.26
Earth Resistance to Projectile Impact	Hakala	SC	2,247.86	287.12	743.75	3,278.73
Flexible Pavements	Martinez	NMSHD	7,197.45	446.91	2,004.52	9,648.88
Fluid Mechanics-Equipment	Hulsbos	NSF	- -	17,236.67	- -	17,236.67
Dynamic Analysis-Rocket Sleds	Cottrell	AFMDC	3,315.21	1,721.31	1,094.03	6,130.55
			<u>\$28,718.89</u>	<u>\$22,241.47</u>	<u>\$7,547.90</u>	<u>\$58,508.26</u>
<u>ECONOMICS</u>						
Water Pollution-Colorado River	Udis	DHEW	\$10,130.46	\$38,830.73	\$2,959.95	\$51,921.14
Latin-America River Basin	Wollman	RFF	20,814.12	6,135.13	1,000.00	27,949.25
Water Resources Institute	Wollman & Ellis	NMSU	1,646.30	685.85	- -	2,332.15
			<u>\$32,590.88</u>	<u>\$45,651.71</u>	<u>\$3,959.95</u>	<u>\$82,202.54</u>
<u>EDUCATION</u>						
Ford Foundation Grant	Zintz	FF	\$ 3,840.54	\$ 3,029.65	- -	\$ 6,870.19
Physiology of Exercise	McGill	NSF	- -	1,482.26	- -	1,482.26
Communication Barriers in Rural Communities	Roberts	OEO	22,624.15	7,964.37	- -	30,588.52
			<u>\$26,464.69</u>	<u>\$12,476.28</u>	<u>- -</u>	<u>\$38,940.97</u>

	<u>PRINCIPAL INVESTIGATORS</u>	<u>SPONSORS*</u>	<u>SALARIES</u>	<u>EXPENSES</u>	<u>INDIRECT COSTS</u>	<u>TOTALS</u>
<u>ELECTRICAL ENGINEERING</u>						
Submarine Communications	Williams	ONR	\$ 16,809.89	\$ 1,665.34	\$ 3,627.50	\$ 22,102.73
Radar Echoes from Moon	Erteza	NASA	22,769.31	521.81	4,659.09	27,950.21
Hall Effect-DC to AC Conversion	Grannemann	NASA	6,341.20	532.35	1,823.26	8,696.81
Semi Conductor Devices - Gamma Damage	Grannemann	AFWL	413.70	15.00	150.59	579.29
Microelectronics Radiation Effects	Grannemann	AFWL	3,627.63	227.90	693.24	4,548.77
Weapon Fuzing Problems	Thorn	AFWL	13,887.56	1,901.62	3,261.84	19,051.02
Adaptive Systems	Koschmann	SC	8,358.23	248.87	2,758.24	11,365.34
Circuit Theory of Feedback	Erteza	SC	10,466.34	660.60	3,453.89	14,580.83
Metal Oxide-Silicon Structures	Grannemann	SC	6,267.09	353.09	2,068.14	8,688.32
Solid State Devices	Grannemann	AFWL	42,943.57	4,900.60	6,706.99	54,551.16
Weapon Arming and Fuzing	Thorn	AFWL	18,036.45	9,836.57	5,952.01	33,825.03
Solid State Research Equipment	Southward	NSF	- -	5,381.61	- -	5,381.61
			<u>\$149,920.97</u>	<u>\$26,245.36</u>	<u>\$35,154.79</u>	<u>\$211,321.12</u>
<u>GEOLOGY</u>						
Climatic Cycles and Varved Sediments	Anderson	NSF	\$18,659.18	\$38,056.99	\$ 6,413.54	\$63,129.71
Volcano-Tutonic Depressions	Elston	NASA	10,216.77	8,579.28	3,609.16	22,405.21
			<u>\$28,875.95</u>	<u>\$46,636.27</u>	<u>\$10,022.70</u>	<u>\$85,534.92</u>
<u>GOVERNMENT</u>						
Research for H. G. Place	Hoyt	H.G.Place	\$4,266.66	\$868.30	\$75.00	\$5,209.96
<u>MATHEMATICS</u>						
Stochastic Processes	Blum	NSF	\$13,524.98	\$2,892.80	\$3,912.82	\$20,330.60
Research in Analysis	Blum	NSF	2,000.00	80.26	520.07	2,600.33
Analysis and Topology	Blum	NSF	11,788.85	2,814.22	2,920.64	17,523.71
Probability Theory and Statistical Inference	Blum	NSF	1,995.00	330.30	465.06	2,790.36
			<u>\$29,308.83</u>	<u>\$6,117.58</u>	<u>\$7,818.59</u>	<u>\$43,245.00</u>
<u>MECHANICAL ENGINEERING</u>						
Temperature Distribution in Finned Radiators	Wildin	SC	\$11,543.71	\$ 1,947.69	\$ 3,809.41	\$ 17,300.81
Behavior of Metallic Materials	Ju	AFOSR	24,322.10	6,583.70	7,745.73	38,651.53

	PRINCIPAL INVESTIGATORS	SPONSORS*	SALARIES	EXPENSES	INDIRECT COSTS	TOTALS
<u>MECHANICAL ENGINEERING (Continued)</u>						
Rocket Sled Instrumentation	Baker	AFMDC	\$12,326.83	\$ 4,014.60	\$ 3,859.37	\$ 20,200.80
Analog Study Impact Fracture	Ju	SC	14,715.97	7,510.83	4,415.27	26,642.07
Numerical Analysis Gas Dynamics	Skoglund	SC	12,516.35	2,364.63	4,130.37	19,011.35
Heat Exchange Mechanism	Feldman	SC	6,068.88	2,422.50	2,002.74	10,494.12
Contact Fuzing	Dove	AFWL	3,450.51	689.90	1,138.67	5,279.08
Heat Resistant Materials	Houghton	SC	1,380.78	252.18	455.66	2,088.62
			\$86,325.13	\$25,786.03	\$27,557.22	\$139,668.38
<u>SCHOOL OF MEDICINE</u>						
Kidney in Cirrhosis	Papper	NIH	\$ 19,376.78	\$ 4,867.87	\$ 8,548.60	\$ 32,793.25
Hypercholesterolemia and Experimental Tuberculosis	Gale	DHEW	5,292.08	1,339.62	754.22	7,385.92
Mechanism of Electrolyte Transport	Solomon	DHEW	21,995.13	14,610.38	11,480.44	48,085.95
Myocardial Metabolism	Brandfonbrener	NIH	8,797.36	6,395.40	967.25	16,160.01
Red Cell Biochemistry	Simon	NIH	12,703.09	5,643.11	4,768.26	23,114.46
Magnesium Metabolism	Whang	NIH	7,448.86	3,582.11	3,207.65	14,238.62
Cancer Tumor - Virus Studies	Stone	NIH	- -	- -	936.19	936.19
Renal Physiology	Papper-Solomon	NIH	13,491.80	28,567.17	6,428.65	48,487.62
Enterovirus-Host Cell Interactions	McLaren	NIH	19,270.14	11,776.38	9,459.37	40,505.89
Viral Induced Mesodermal	Stone	ACS	4,734.79	23,659.29	3,992.73	32,386.81
General Research Grant	Fitz	DHEW	4,464.53	19,846.34	- -	24,310.87
Biosynthesis of Protein	Loftfield	DHEW	19,750.17	29,403.77	7,246.82	56,400.76
Brain Cerebralspinal Fluid	Pollay	DHEW	6,009.80	19,310.11	3,474.54	28,794.45
Cellular Metabolism	Despopoulos	DHEW	13,657.24	10,730.34	7,609.15	31,996.73
Respiratory Distress	Finley	DHEW	15,948.58	16,210.17	4,844.72	37,003.47
Brain Proteins	LeBaron	DHEW	4,700.04	27,243.28	3,691.09	35,634.41
Structure of Adipose Tissue	Napolitano	DHEW	6,311.10	3,669.39	3,318.54	13,299.03
Thymocyte Transformation	Leonard	DHEW	7,987.71	10,423.80	814.82	19,226.33
Congestive Heart Failure in S.W. Indians	Lovekin	DHEW	7,896.50	10,156.15	1,934.59	19,987.24
Fine Structure of Tissues	Ladman	NSF	2,147.74	6,470.88	1,070.39	9,689.01
American Heart Association	Fitz	AMA-ERF	- -	17,069.63	- -	17,069.63
Easter Seal Research Foundation	Weaver	ESRF	2,098.91	8,625.18	1,470.13	12,194.22
OB Research	Munsick	Sandoz	- -	314.80	- -	314.80

	<u>PRINCIPAL INVESTIGATORS</u>	<u>SPONSORS*</u>	<u>SALARIES</u>	<u>EXPENSES</u>	<u>INDIRECT COST</u>	<u>TOTALS</u>
<u>SCHOOL OF MEDICINE (Continued)</u>						
Alterations in Avascular Bone	Weaver	DHEW	- -	\$ 4,706.54	\$ 174.35	\$ 4,880.89
Physiology of Amnion	Munsick	DHEW	- -	731.85	146.37	878.22
Carcogenic Effects of DMSO	Kisch	DHEW	\$ 210.00	1,134.50	69.30	1,413.80
Lipid Metabolism in Biological Systems	Scallion	DHEW	- -	192.95	- -	192.95
Monosaccharide Transport	Pollay	DHEW	1,909.60	21,913.11	639.88	24,462.59
Neurology	Greenhouse	NIH	20,045.00	7,040.51	3,720.70	30,806.21
Human Behavior	Libo	NIH	1,174.08	3,296.33	356.51	4,826.92
Charles E. Merrill Trust	Fitz		- -	18,020.54	- -	18,020.54
Heart, Cancer, Stroke Program	Fitz	NIH	- -	1,500.00	- -	1,500.00
			<u>\$208,044.25</u>	<u>\$333,583.63</u>	<u>\$82,576.66</u>	<u>\$624,204.54</u>
<u>NUCLEAR ENGINEERING</u>						
Fast Burst Reactor Pulse	Long	SC	\$4,711.08	\$499.73	\$447.54	\$5,658.35
Analysis of Transport Properties	Everett	SC	<u>1,640.40</u>	<u>156.91</u>	<u>466.66</u>	<u>2,263.97</u>
			\$6,351.48	\$656.64	\$914.20	\$7,922.32
<u>PHYSICS</u>						
Ultrasound in Two-Component Systems	Green	NSF	\$ 4,321.89	\$ 1,439.57	\$ 1,440.37	\$ 7,201.83
Vertical Distribution of Atmospheric Ozone	Regener	NSF	13,123.24	10,832.51	4,796.81	28,752.56
Solar Influences on Cosmic Rays	Regener	NSF	(457.74)	4,334.20	775.29	4,651.75
Blueing Effect on Stars	Philip	NSF	6,258.32	2,306.67	1,713.00	10,277.99
Solar Neutrons	Leavitt	NSF	6,689.73	3,947.52	2,127.45	12,764.70
Transformations in Plastic Solids	Green	NSF	5,400.19	4,758.98	2,031.54	12,191.01
Nuclear Quadrupole Resonance	Dean	NSF	758.68	19,919.06	190.54	20,868.28
IQSY Cosmic Ray Flux	Regener	NSF	668.20	36.16	140.87	845.23
IQSY Zodiacal Light	Regener	NSF	500.00	- -	100.00	600.00
Backscattering of Coherent Light	Bryant	SC	8,986.03	2,488.37	2,965.39	14,439.79
Nuclear Magnetic Resonance	Dean	SC	9,724.98	1,925.08	3,209.27	14,859.33
Galactic Structure	Philip	R.C.	335.45	10,362.11	- -	10,697.56
OSO-G Neutron Flux in Space	Leavitt	NASA	18,184.88	10,162.11	6,001.00	34,347.99
OGO-F Solar Ultra Violet Energy	Regener	NASA	8,578.67	16,666.35	3,143.01	28,388.03

	PRINCIPAL INVESTIGATORS	SPONSORS*	SALARIES	EXPENSES	INDIRECT COST	TOTALS
<u>PHYSICS (Continued)</u>						
Atmospheric Ozone	Regener	AFSC	- -	\$ 5.30	- -	\$ 5.30
Research on Ozone	Regener	Various	\$ 2,022.21	43,075.05	- -	45,097.26
Cerenkov Counter	Leavitt	NASA	7,411.81	23,561.23	\$ 2,231.99	33,205.03
Ozone Soundings	Regener	AFSC	1,647.28	6,222.48	436.15	8,305.91
Chemiluminescent Techniques, Ozone	Regener	AFSC	35,774.93	46,053.24	11,413.47	93,241.64
High-Energy Neutrons (Satellite)	Leavitt	NASA	14,495.28	18,497.33	6,597.97	39,590.58
Electron Spectrometer (Satellite)	Leavitt	AFWL	6,000.00	214.53	317.57	6,532.10
Zodiacal Light (Satellite)	Regener	NASA	24,686.12	67,476.81	11,650.03	103,812.96
Computing Techniques, Biophysics	Howorth	DHEW	7,638.87	4,347.84	2,229.01	14,215.72
Research Astronomical Telescope	Regener	NSF	- -	4,336.90	- -	4,336.90
			<u>\$182,749.02</u>	<u>\$302,969.40</u>	<u>\$63,511.03</u>	<u>\$549,229.45</u>
<u>PSYCHOLOGY</u>						
Conditions of Reinforcement	Logan	NSF	\$21,677.45	\$ 7,983.48	\$ 5,930.77	\$ 35,591.70
Conditions of Learning	Ellis	NSF	6,472.19	2,988.68	1,867.94	11,328.81
Undergraduate Research	Ellis	NSF	791.92	3,970.65	525.38	5,287.95
Participation						
Free Behavior Situation	Logan	DHEW	10,165.27	8,471.08	5,154.05	23,790.40
Spindle Activity in Monkeys	Rhodes	AFMDC	12,578.39	8,994.82	2,244.33	23,817.54
Depth Probe for Brain Research	Rhodes	AFMDC	2,927.65	752.23	1,091.92	4,771.80
			<u>\$54,612.87</u>	<u>\$33,160.94</u>	<u>\$16,814.39</u>	<u>\$104,588.20</u>
<u>RESEARCH SERVICES</u>						
Air Force Research Seminar	Foote	AFOSR	\$ 8,470.00	\$ 21,863.24	\$ 1,705.34	\$ 32,038.58
Nuclear Cargo Carriers	Sparks	AFWL	4,475.21	418.01	1,476.78	6,370.00
A.F. Civil Engr. Res. Facility	Zwoyer	AFWL	585,684.94	283,953.42	37,568.42	907,206.78
A.F. Scientific Aide Project	Walker	AFWL	102,666.48	- -	13,276.96	115,943.44
			<u>\$701,296.63</u>	<u>\$306,234.67</u>	<u>\$54,027.50</u>	<u>\$1,061,558.80</u>
<u>SOCIOLOGY</u>						
Paramilitary Organization - Campus Environment	Lynch Woodhouse	AFOSR	\$28,648.60	\$6,623.77	\$11,029.02	\$46,301.39
<u>TECHNICAL APPLICATION CENTER</u>						
Aerospace Related Technology	Shinnick		<u>\$55,444.30</u>	<u>\$25,641.28</u>	<u>\$98,756.97</u>	<u>\$179,842.55</u>
Total			<u>\$1,770,849.96</u>	<u>\$1,263,556.39</u>	<u>\$469,878.66</u>	<u>\$3,504,285.01</u>

APPENDIX B

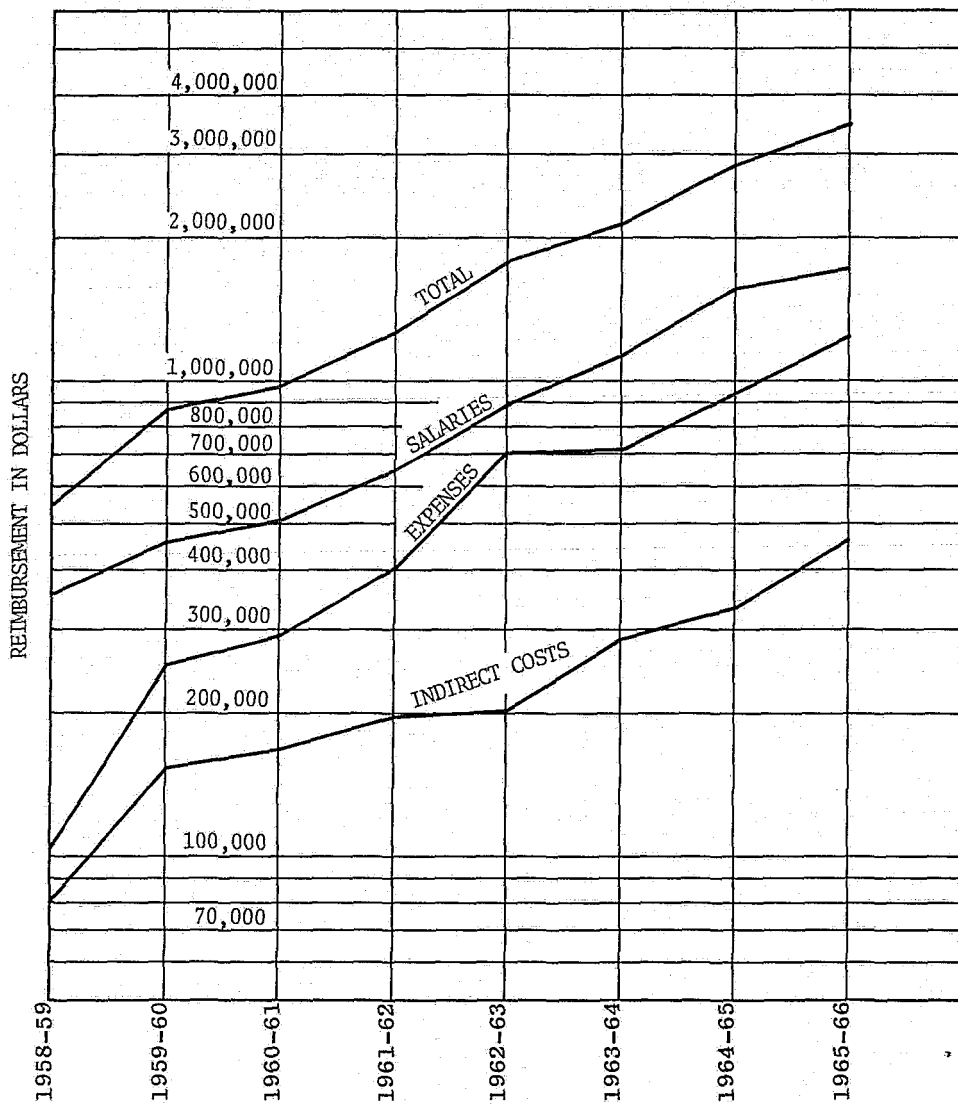
SUMMARY OF RESEARCH FUNDS REIMBURSED TO THE UNIVERSITY IN FY 1965-66

DEPARTMENTS	SALARIES	EXPENSES	INDIRECT COSTS	TOTALS	PERCENT OF TOTALS FY 1966
Anthropology	\$ 1,682.00	\$ 3,182.29	\$ 310.58	\$ 5,174.87	0.148
Biology	11,258.77	9,396.31	5,916.76	26,571.84	0.758
Chemical Engr.	9,307.00	1,884.21	2,930.45	14,121.66	0.403
Chemistry	124,983.04	54,200.25	40,954.95	220,138.24	6.282
Civil Engr.	28,718.89	22,241.47	7,547.90	58,508.26	1.669
Economics	32,590.88	45,651.71	3,959.95	82,202.54	2.346
Education	26,464.69	12,476.28	-	38,940.97	1.111
Electrical Engr.	149,920.97	26,245.36	35,154.79	211,321.12	6.030
Geology	28,875.95	46,636.27	10,022.70	85,534.92	2.441
Government	4,266.66	868.30	75.00	5,209.96	0.149
Mathematics	29,308.83	6,117.58	7,818.59	43,245.00	1.234
Mechanical Engr.	86,325.13	25,786.03	27,557.22	139,668.38	3.985
School of Medicine	208,044.25	333,583.63	82,576.66	624,204.54	17.812
Nuclear Engr.	6,351.48	656.64	914.20	7,922.32	0.226
Physics	182,749.02	302,969.40	63,511.03	549,229.45	15.673
Psychology	54,612.87	33,160.94	16,814.39	104,588.20	2.984
Research Serv.	701,296.63	306,234.67	54,027.50	1,061,558.80	30.293
Sociology	28,648.60	6,623.77	11,029.02	46,301.39	1.321
Tech. Applic. Ctr	55,444.30	25,641.28	98,756.97	179,842.55	5.132
TOTALS	\$1,770,849.96	\$1,263,556.39	\$469,878.66	\$3,504,285.01	99.997

Total for 1964-65 -- \$2,942,215.79

\$3,504,285.01 X 100 = 100.0% 19.1 percent gain
\$2,942,215.79

APPENDIX C
REIMBURSEMENT TO THE UNIVERSITY FROM
RESEARCH CONTRACTS AND GRANTS
1958-1966



The Report of the United States Air Force
Eric H. Wang Civil Engineering Research Facility
July 1, 1965 - June 30, 1966
Eugene Zwoyer, Director

The University of New Mexico completed the fifth year of operation of this facility on April 10, 1966, in accordance with the terms of a contract with U.S. Air Force Special Weapons Center. During the year the contract funds were increased and the contract period was extended to October 14, 1966. Negotiations are under way to extend the contract for an additional two-year period. The scope of work continues to be concentrated in the areas of structural mechanics, soil mechanics, gas dynamics, and electronics and instrumentation. Special emphasis is placed on research which will lead to the development of criteria for the design of structures to resist the effects of nuclear weapons.

The operating budget for the year was approximately \$1,250,000. Of this amount, \$907,206 was spent by the University for salaries, a minor amount of supplies, and sub-contracting for construction of test facilities; the remainder was spent by the Air Force for supplies and equipment to be used at this facility.

At the end of June 1966, the University employed 78 full-time and 7 part-time personnel, approximately the same as the previous year. The most significant change in the staff was the addition of several research assistants. There will be a total of nine research assistants in contrast to the three or four previously employed. They work part time during the academic year and full time during the summer months. In the past three years one master's thesis and five doctoral dissertations have been based on research conducted at the facility, and it is expected that the new research assistants will be assigned to projects which will

provide material for a thesis or dissertation. The increased number of research assistants should provide a closer liaison with the academic departments of the University.

Appointments to the professional staff during the year were as follows: Mrs. Ann Perkins, Programmer, on August 23, 1965; Mr. Will Blair, Research Assistant Geologist, April 1, 1966; Dr. Don Linger, Research Engineer and Manager of Structural Mechanics Department, June 9, 1966.

Separations from the professional staff during the year were as follows: Dr. C. X. Miranda, Research Associate Engineer, August 20, 1965; Dr. David Kraft, Research Associate Engineer, August 31, 1965; Mr. James Stras, Research Assistant Engineer, January 5, 1966; Mr. Donald Hawley, Research Associate Engineer, January 21, 1966; and Dr. Warren Baker, Research Associate Engineer, May 31, 1966. Dr. Miranda, Dr. Kraft, and Dr. Baker accepted teaching positions at other universities, while Mr. Stras and Mr. Hawley accepted positions in industry.

The most significant development affecting the operation of the Civil Engineering Research Facility was the negotiation of a plan allowing the University to solicit research from other government agencies and use the resources at the facility to conduct this research. The final details of the plan are being formulated. It is anticipated that broadening the source of sponsorship of research will also broaden the scope of work and the talent at the facility.

A proposed policy for granting titles to full-time research personnel was prepared and submitted to the Faculty Policy Committee after receiving administrative approval. The committee rejected the plan. It is recommended that the plan, which was designed to give recognition and benefits to full-time research personnel equal to that of full-time faculty

when appropriate educational and professional standards had been met, be reconsidered for adoption during the next academic year.

Plans have been formulated to sponsor a symposium on Wave Propagation and Dynamic Properties of Earth Materials to be held in Albuquerque, August 23-25, 1967. The plan was originated by and primarily is being implemented by personnel at the Civil Engineering Research Facility. The American Society of Civil Engineers will co-sponsor the symposium with the University of New Mexico. Responses to questionnaires sent to 500 selected engineers have been excellent. Ninety papers have already been offered by prospective participants from the United States, Canada, Czechoslovakia, England, Germany, India, Japan, Mexico, Switzerland, and Russia.

Significant professional activities by the staff during the year included the following attendance and participation in national meetings:

Sixth International Conference of Soil Mechanics and Foundation Engineering, held in Montreal, Canada, September 7-16, 1965. Attended by: Dr. George Triandafilidis (presented paper), Mr. Phillip Abbott, Dr. Warren Baker, and Mr. Delmar Calhoun.

20th Annual Conference of the Instrument Society of America, held in Los Angeles, California, October 4-8, 1965. Attended by: Dr. Frank Janza.

35th Shock and Vibration Symposium, held in New Orleans, Louisiana, October 24-28, 1965. Attended by: Dr. Eugene Zwoyer (presented paper), Mr. James Stras (co-author of paper), and Mr. Donald Hawley.

American Society of Civil Engineers Structural Engineering Conference, held in Miami, Florida, January 28-February 4, 1966. Attended by: Mr. Robert Crist (presented paper) and Mr. Phillip Abbott (presented paper).

American Concrete Institute Convention, held in Philadelphia, Pennsylvania, March 3-12, 1966. Attended by: Dr. Eugene Zwoyer (presented paper), Mr. Robert Crist (co-author of paper), and Mr. R. E. Holt.

Publications and papers presented during the year include the following:

1. The Dynamic Response of Continuous Footings Supported on Cohesive Soils, by George E. Triandafilidis. A paper presented to the Sixth International Conference of Soil Mechanics and Foundation Engineering, Montreal, Canada, September 7-16, 1965.
2. Pore Air Pressure in Soil Subjected to Shock Waves, by Delon Hampton, Journal of Soil Mechanics and Foundations Division, Proceedings of the American Society of Civil Engineers, Vol. 91, No. SM6, November 1965.
3. Research and the University, by Eugene M. Zwoyer, Proceedings of the Third Paving Conference, December 9-10, 1965.
4. Report on Cheyenne Tests QH-1, by Delmar Calhoun, January 1966. A report to the Air Force Weapons Laboratory.
5. Arching for Vertically Buried Prismatic Structures, by Phillip A. Abbott, Conference Preprint 281, American Society of Civil Engineers Structural Engineering Conference, Miami, Florida, January 31-February 4, 1966.
6. Static and Dynamic Shear Behavior of Very Deep Reinforced Concrete Beams, by Robert A. Crist. A paper presented at The American Society of Civil Engineers Structural Engineering Conference, Miami Beach, Florida, January 31-February 4, 1966.
7. Simulation of Air Shocks with Detonating Waves, by Gerald P. D'Arcy and R. O. Clark, AFWL TR 65-9, February 1966. A technical report to the Air Force Weapons Laboratory.
8. Static and Dynamic Laboratory Tests on Soils from the Quick Hest-1 Site, by Delmar Calhoun, February 1966. A report to the Air Force Weapons Laboratory.
9. A Study of the Propagation of Stress Waves in Sand, AFWL-TR-65-180, by Robert L. McNeill, March 1966. A technical report to the Air Force Weapons Laboratory.

10. Dynamic Strength of Plain Concrete, by Eugene M. Zwoyer and Robert A. Crist. A paper presented to the American Concrete Institute Convention, Philadelphia, Pennsylvania, March 1966.
11. A Method of Producing Long-Duration Air-Induced Ground Shock Using High Explosives, by Eugene M. Zwoyer, George E. Triandafilidis, and James Stras, Bulletin 35, Shock and Vibration Information Center, April 1966.
12. An Investigation of the Dynamic Behavior of a Partially Saturated Silt, by Delmar E. Calhoun and David C. Kraft, WL TR 65-176, May 1966. A technical report to the Air Force Weapons Laboratory.

New offices held or committee appointments in learned and professional societies during the year are as follows:

1. Albuquerque Chapter, New Mexico Society of Professional Engineers: Mr. Richard G. Vaughan - Treasurer; Mr. Delmar Calhoun - Chairman of Publicity Committee.
2. Albuquerque Branch, American Society of Civil Engineers: Mr. R. E. Holt - Chairman of Board of Directors; Mr. Richard G. Vaughan - Director.
3. Albuquerque Chapter, Instrument Society of America: Dr. Frank Janza - President.
4. City of Albuquerque Planning Commission: Mr. Richard G. Vaughan - Member.
5. UNM-ASCE Symposium on Wave Propagation and Dynamic Properties of Earth Materials: Members of Steering Committee - Dr. George Triandafilidis (Chairman), Dr. Eugene Zwoyer (Secretary), Mr. Richard G. Vaughan, Dr. Don Linger, Dr. Warren Baker.

The Report of the Division of Government Research
July 1, 1965 - June 30, 1966
Submitted by E. C. Hoyt, Chairman
Department of Government

The long illness and subsequent death on December 11, 1965 of Professor Frederick C. Irion interfered with the normal operation of the Division during this academic year. The following publications of the Division were completed, however, during that period:

Tom Wiley, Public School Education in New Mexico, #69

Robert S. Landmann, New Mexico State Hospital, #70

Dorothy Cline, Associate Professor of Government, has been named Acting Director for 1966-67, during which year a search for a new Director on a permanent basis will be made.

In connection with the appointment of a new Director, efforts are being made for a considerable expansion of the work of the Division. It is expected that an expanded Division will be able to perform two significant services for the University and for the broader community. First, it can promote scholarly research on a broad range of political problems which will help to support our projected Ph.D. program. The Division is expected to establish affiliation with the Inter-University Consortium for Political Research, which will make new facilities available for survey research and quantitative studies. Second, the Division can be of important assistance to state and community agencies by performing problem-oriented research in matters of concern to the public and governmental agencies. To make a complete study of possible directions of

-2-

development for the Division, and to propose a plan, including budgetary recommendations to be made to the Board of Educational Finance, Mr. Irving Howards, Professor of Government and Director of the Bureau of Government Research at the University of Massachusetts, a person with wide experience in this field, has been employed as a consultant to the University to draw up such plans in time for submission of a proposal to the BEF this fall.

The Report of the
NEW MEXICO HISTORICAL REVIEW
July 1, 1965 - June 30, 1966
Eleanor B. Adams, Editor

During 1965-1966 NEW MEXICO HISTORICAL REVIEW published thirteen articles, plus book reviews, a column of notes and information that appears at irregular intervals when space permits, obituaries, and the Historical Society of New Mexico Notes. The subject matter of the articles covered a wide range from 1540 to the present:-- U. S. - Mexican relations, cultural as well as diplomatic; military history; ecclesiastical history; Indian land claims; historical personages (from holy men to outlaws); and a local experiment in prohibition. Contributors included four professional historians, four non-academic historians, two graduate students, and one undergraduate. The Editor contributed a translation of a hitherto unpublished letter by the well-known Franciscan explorer Fray Silvestre Vélez de Escalante, and a bibliography of his extant writings. (Her edition, in Spanish, of Vélez de Escalante's Extracto de Noticias, with introduction and notes, is still in press in Mexico City and has been subject to long delays. This will be the first complete edition of this important document for the history of New Mexico; it is based on the original text preserved in the Biblioteca Nacional, Mexico, not on the truncated and inaccurate copies used to date.)

She also annotated an important and much neglected article on the right of asylum in New Mexico by the late Elizabeth Howard West, first published in THE HISPANIC AMERICAN HISTORICAL REVIEW in 1928 and reprinted in NMHR by permission of the Duke University Press.

Dr. Victor Westphall, President of the Historical Society of New Mexico, and Dr. Michael Thurman, Visiting Assistant Professor of History, kindly consented to act as judges in selecting the best article by a non-professional historian published in NMHR during 1965 for the prize of one hundred dollars offered by the Department of History. The first annual award went to Thomas M. Davies, Jr., for "The Rio Grande Treaty of 1933, A Prelude to Settlement," (NMHR, vol. 40, no. 4, Oct. 1965). Mr. Davies is a doctoral candidate in history at THE University of New Mexico.

The problem of obtaining acceptable manuscripts for publication is becoming less acute. Recently there has been a gratifying increase in unsolicited papers of higher quality.

Some time ago the Editor and Dr. Manuel Alcalá, former Director of the National Library of Mexico, made preliminary arrangements to prepare for publication in NMHR a calendar of the important collection of documents for the colonial history of New Mexico from the old Franciscan Archive in Mexico City. Since the discovery of these papers in 1928, when F. V. Scholes made a hasty preliminary catalogue, the Biblioteca Nacional has

reclassified the material, and their numbers no longer correspond to those used for photographic reproductions of the collection in U. S. libraries, including that of UNM. Sr. Guillermo Hernández Ávila, head of the Department of Manuscripts at the Biblioteca Nacional, and Miss Adams have made considerable progress in collating the old and new numbers and describing the content of the individual items. Lic. Ernesto de la Torre Villar, present Director of the Biblioteca Nacional, also considers the undertaking of great mutual advantage. He has agreed to contribute a prologue when the calendar can be scheduled for publication. The Editor hopes that it may also be possible to reprint it as a separate under the joint auspices of the University of New Mexico and the Universidad Nacional Autónoma de México, to which the Biblioteca Nacional is attached.

Miss Adams spent a few weeks in Mexico City in the spring of 1966 working on this and other prospective publications, as well as continuing her archival research.

Some old exchange problems have been solved and a number of worthwhile new exchanges for other scholarly journals arranged for the benefit of the Zimmerman Library.

The Report of the Southwestern Journal of Anthropology

July 1, 1965 - June 30, 1966

Harry Basehart and Stanley Newman, Editors

During the fiscal period four issues of the Southwestern Journal of Anthropology were published: Summer, Autumn, and Winter 1965 (Vol. 21, Nos. 2, 3, 4) and Spring 1966 (Vol. 22, No. 1). The number of pages in the four issues totalled 389, as compared with 397 pages printed in 1964-1965. The editors hope to increase the number of pages printed in the present fiscal period to meet our objective of a minimum average of 400 pages per year.

Twenty-three manuscripts were accepted for publication, whereas 22 were published in 1964-1965. Although a smaller number of articles were published in the past two years than in the preceding two, the rate of manuscript submission continued high. In this period 111 articles were received, compared with 91 in 1964-1965, and 119 in the preceding year. This represents a considerable increase over the range of from 68 to 79 contributions reported for the five years prior to 1963-1964.

Articles published in the Journal continue to reflect devotion to the interests of "general anthropology," as opposed to concentration on a particular sub-field of the discipline. At the same time the majority of the accepted manuscripts represent contributions to cultural anthropology; only 4 of the 23 published papers were devoted to topics in linguistics

and archaeology. This distribution is to be expected, not only on the basis of past experience, but because the broad area of cultural anthropology lacks the specialized journals available to professionals in other fields of anthropology. Within the rubric of cultural anthropology, a wide range of specific topics were explored, including discussions of the history of anthropology, cultural ecology, expressive institutions, economics, culture contact, and culture change. Social organization remained a focus of interest for an increasing number of anthropologists, and slightly over one-half of the contributions in cultural anthropology were devoted to an examination of problems in this area. Studies of cultures represented most of the geographical regions of the world, including Mexico, North America, South America, the Caribbean, Africa, India, Japan, Oceania, and Southeast Asia.

Although the subscription price of the Journal was increased slightly beginning with Vol. 22, 1966 (from \$4.00 to \$5.00 for domestic, and from one pound to one pound five shillings for foreign subscriptions), the rate of increase in subscriptions has been maintained. At the end of June, 1966, subscribers numbered 2033, as compared with 1808 in 1965---an increase of 12%. Subscriptions from foreign countries now total 423 in contrast to last year's 333; this comprises slightly over one-fifth of Journal circulation and reflects the international reputation of the publication among professional colleagues. Again, the rise in subscriptions has required an increase in the number of copies printed; 2200 copies were ordered for the Spring number this year, compared to 2000 copies last year.

For the first time in Journal history, the income from subscriptions and sales exceeded printing costs. The increase totalled 140% of the cost

of printing, reflecting both the larger number of subscribers and the rise in subscription price. Since the proportion of income relative to printing costs declined in the preceding year as the result of publication of the Index and higher publishing costs, the substantial income increment will help to offset the 1964-1965 decrease.

With the advice and approval of the University Comptroller, the Editors entered into an agreement with the Kraus Reprint Corporation of New York for the reprinting of Volumes 9 through 19 of the Journal. Complete sets of these volumes are no longer in stock, although individual numbers of some volumes remain available. The contract with the Kraus company provides for a 15% return to the Journal on sales of the out-of-print volumes. We have preferred to continue distribution of earlier sets of the Journal through our circulation manager, Mrs. Margaret Weinrod, since this yields a larger profit and, at the same time, lower costs to purchasers.

Authorization to reprint articles originally published in the Journal was granted to the following:

Harper Reserve, University of Chicago Library, 9 articles
 Joseph W. Elder, Civilization of India Syllabus, 2 articles
 Edward M. Lemert, Human Deviance, 1 article
 Alan R. Beals, Culture in Process, quotations from 1 article
 John Middleton, Reader in Political Anthropology, 1 article
 James N. Hill, Prehistoric Social Organization, 1 article
 Richard W. Lieban, book on Philippines sorcery, excerpts from 1 article
 Andrew P. Vayda, Ecology: An Anthropological Reader, 2 articles
 Roger C. Owen, The American Indian Source Book, 1 article
 Harold K. Schneider, A Reader in Economic Anthropology, 1 article
 Esther V. Daroy, book on Filipino culture, 1 article
 Robert A. Manners, A Reader in Method and Theory in Anthropology, 5 articles
 John Middleton, Magic and Witchcraft, 1 article
 John Middleton, Mythology and Cosmology, 2 articles
 John Middleton, Gods and Rituals, 1 article

S. N. Eisenstadt, Political Sociology, 1 article
Raoul Naroll, untitled books, quotation from 1 article

The number of requests for permission to reprint is the same as for the preceding report period; in turn, this constituted a major increase as compared with previous years.

REPORT OF
THE UNIVERSITY OF NEW MEXICO PRESS

July 1, 1965 - June 30, 1966

Roland Dickey, Director

Completing its thirty-fifth fiscal year of operation in 1965-66, The University of New Mexico Press publishes books, scholarly monographs, and a magazine, New Mexico Quarterly. The Press has 105 book titles and 94 monographs in print. It handles the subscriptions and records for New Mexico Historical Review and Southwest Journal of Anthropology. The Press is a member of the Association of American University Presses and the American Book Publishers Council.

I. Significant developments during the Academic Year 1965-66

1. The Press operates under the offices of the President and Academic Vice-President of the University. Books and monographs to be published under the imprint of the Press are approved by the Faculty Publications Committee, with the following membership for 1965-66:

Harry W. Basehart, Chm. (Anthropology)
Bainbridge Bunting (Art)
Roland Dickey* (Press)
John Durrie* (Secretary of the University)
Richard Huzarski (Civil Engineering)
R. R. MacCurdy, Jr. (Modern Languages)
G. W. Smith (History)
Yi-Fu Tuan (Geography)
Albert W. Vogel (Education)
T. Philip Wolf (Government)
Joseph Zavadil (English)

*Ex officio

2. The Publications Committee held meetings on October 5, 1965, and May 20, 1966. At these meetings, the Committee considered nine book-length mss., of which five were accepted for publication.
3. The Press staff processed 35 book-length mss. and 75 ms. queries. Outside readers were consulted on the more promising mss. Appropriate materials were submitted to the Publications Committee for consideration.
4. The Press published 12 major items. Five new books and three revised editions were completed. Two books were reprinted with minor changes. Two monographs in the UNM Publications Series were released.
5. A complete catalog of UNM Press books was published on August 18, 1965, and 18,000 copies distributed.
6. In addition to published materials, work was in process on six new titles, four reprints or revised editions, and one UNM Publications monograph.
7. In April, 1966, the Press renewed its contract with Doubleday & Co., New York, which will publish a second edition of Mexican Cookbook, by Erna Fergusson, as a Dolphin paperback. The Press clothbound edition continues to sell successfully.
8. Science in the Sixties, the Tenth Anniversary AFOSR Scientific Seminar, June 1965, a book by David L. Arm, cosponsored by The University of New Mexico, The Air Force Missile Development Center, and The Air Force Office of Scientific Research, was taken over by the Press on January 13, 1966, for sales and distribution, priced at \$4.50, clothbound.

9. To bring the magazine back on regular schedule, six issues of New Mexico Quarterly were published, totaling 688 pages.
10. A total of 4,081 mss. were submitted for consideration by New Mexico Quarterly, including 3,144 poetry, 779 fiction, 95 non-fiction, and 60 miscellaneous, including drama. Of these, 68 items were accepted for publication. The total mss. received is 792 greater than in 1964-65.
11. An analysis of 1965-66 subscriptions for New Mexico Quarterly showed that of the total of 536, there were 312 subscriptions to libraries, 65 complimentary subscriptions, 89 exchange, and 70 individual subscriptions. Now in its thirty-fifth year of publication, the Press has for sale 110 back issues, with an inventory of 10,565 copies.
12. The Press continued to handle sales and subscription records for Southwestern Journal of Anthropology, edited by Dr. Harry Basehart and Dr. Stanley Newman of the UNM Department of Anthropology. Processing of these records takes approximately half time for a Press staff member.
13. In addition to subscriptions and records, the Press provided design and production consultation for New Mexico Historical Review, edited by Miss Eleanor B. Adams. Four issues of the magazine were released: XL:3 (July 23, 1965), XL:4 (Nov. 18, 1965), XLI:1 (Feb. 2, 1966), XLI:2 (Apr. 5, 1966). Subscriptions to the Review are \$6 per year, including membership in the New Mexico Historical Society.

14. The Press filled orders for back issues of New Mexico Historical Review, with a total of 153 issues in print, and an inventory of 21,678 copies on hand. In addition, the Press had on sale 34 pamphlets and papers published by the Historical Society, with an inventory of 4,920 copies.
15. The Sales Department of the Press organized an exhibit of books published by American University Presses at a meeting of the Rocky Mountain Psychological Association at Western Skies, Albuquerque, May 11-14, 1966.
16. A public showing of the "AAUP Book Show 1965," an exhibition of 25 award books published by the Association of American University Presses was held in the Press display office June 1-10, 1966.
17. At its annual campus Christmas sale, Nov. 29 to Dec. 30, 1965, Press book sales from its display office were \$1043.75.
18. To reduce overstocks in inventory, a sale was held in May 1966, a list of 40 titles at special prices being mailed to 8,000 libraries, bookdealers, and other customers. Net results of the sale were 2,901 books sold for a total of \$4850.50.
19. Other promotional activities included the preparation and mailing of announcements of individual books, the distribution of new books to national and regional review media, the exhibition of books at national scholarly meetings, and news releases to periodicals.

20. Title and Inventory Statistics:

	<u>Titles in Print</u>	<u>Copies in Inventory</u>
UNM Press books	105	104,817
UNM Publications	54	23,781
UNM Bulletins	40	4,561
N.M. Quarterly (issues)	110	10,565
N.M. Hist. Rev. (issues)	153	21,658
N.M. Hist. Soc. Pubs.	34	4,920
S.W. Journ. Anthro. (issues)	<u>59</u>	<u>9,527</u>
Totals:	555	179,829

21. Sales summary

a. Sales totals:

University Press books	\$70,738.57
UNM Publications and Bulletins	2,295.66
New Mexico Quarterly	<u>1,601.48</u>
Total:	\$74,635.71

b. Press book sales:

Total number of copies sold: 28,773

Total dollar sales: \$70,738.57

Monthly summary:

	<u>Copies</u>	<u>Sales</u>		<u>Copies</u>	<u>Sales</u>
July	1,904	\$4,593.93	Jan.	2,832	\$7,600.19
Aug.	1,743	3,496.69	Feb.	1,551	4,238.16
Sept.	2,075	5,116.88	Mar.	1,557	4,407.80
Oct.	2,150	6,047.50	Apr.	1,873	5,829.79
Nov.	2,262	6,374.31	May	5,638	11,080.00
Dec.	2,393	6,294.12	June	2,795	5,659.20

Monthly average: 2,398 copies, \$5,894.88

Book sales increased by \$4,853.00 over the 1964-65 fiscal year, and the number of copies sold increased by 1,640. The total income for the Press increased by \$5,015.68 over the previous year.

II. Significant plans and recommendations

1. Warehousing. Because of the increase in number of books published by the Press, and increasing sales calling for larger printings, warehouse space is expected to be at a premium in the near future. Despite the relief of overstocks from special sales, and the removal of obsolete materials, storage space is becoming acute. The shipping room is now used for storage by several other campus agencies, and it may soon become necessary to remove non-Press materials to other areas. It seems likely that in the not-too-distant future new warehouse space will need to be constructed.
2. Accounting system. One of the recommendations in the Wardlaw exploration of UNM Press efficiency was the setting up of a new accounting system for the Press, including bookkeeping procedures specifically designed to meet the complexities of book manufacture and sales which would give a more realistic picture of all aspects of the operation, and make readily available important marketing information needed for Press planning. To install such a system calls for consultation with a firm specializing in publishers' accounting, plus an exploration of the particular needs of this Press. It is hoped that plans for a change in the system may be undertaken in the coming year.

III. Staff assignments, as of June 30, 1966

Roland Dickey, Director of the Press, General Editor of UNM
Publications Series, Editor of New Mexico Quarterly
Leonard A. Prehn, Production Manager
Francis J. Mahood, Designer (Aug. 16, 1966)
Carol Kurman, Sales Manager
Winifred W. Gregory, Editor
Mary E. Adams, Associate Editor
G. A. Blaisdell, II, Assistant Editor (July 1, 1965)
Margaret Weinrod, Journals Subscription Manager
Mary E. Kollander, Secretary (Mar. 15, 1966)
Margaret J. Green, Order Clerk (Nov. 26, 1965)
Helen D. Finley, Clerk (Temporary appt.)

Interim appointments:

Richard E. Leonard, Record Clerk (term. Aug. 31, 1965)
Tessie K. Jorrín, Secretary (Aug. 16, 1965--Mar. 31, 1966)
Edna E. Vicory, Order Clerk (term. May 6, 1966)
Etta K. Dane, Clerk (Oct. 1, 1965--Nov. 19, 1965)

IV. Books and other materials published

A. University of New Mexico Press books:

1. The Life & Death of John Henry Tunstall. The letters, diaries & adventures of an itinerant Englishman, compiled and edited by Frederick W. Nolan. Ford Foundation grant. 6 x 9 $\frac{1}{2}$ in., 522 pp., 43 illus. \$6.00 (Sept. 21, 1965)
2. The Public Domain in New Mexico, 1854-1891, by Victor Westphall. Ford Foundation grant. 6 x 9 $\frac{1}{2}$ in., 228 pp. 20 maps (18 in color), 13 appendixes. \$5.00 (Oct. 8, 1965)
3. New Mexico Place Names, a Geographical Dictionary, edited by T. M. Pearce, assisted by Ina Sizer Cassidy and Helen S. Pearce. Ford Foundation grant. 6 $\frac{3}{4}$ x 9 $\frac{3}{4}$ in., 203 pp. \$6.00 (Dec. 15, 1965)
4. Sky Determines: An Interpretation of the Southwest, by Ross Calvin. Illus. by Peter Hurd. Revised and enlarged from the 1934 and 1948 editions. 5 $\frac{3}{8}$ x 8 in., 407 pp. 14 drawings. Cloth, \$5.00 (Dec. 17, 1965)
5. Sky Determines: An Interpretation of the Southwest, by Ross Calvin. Paperbound version of above edition. 5 $\frac{3}{8}$ x 8 in., 407 pp. Illus. Paper, \$2.50 (Dec. 28, 1965)
6. Richard Wetherill: Anasazi, by Frank McNitt. Revised and enlarged from the 1957 edition. 6 $\frac{3}{4}$ x 10 in., 400 pp. 16 photos. 4 maps and 4 drawings by the author. \$10.00 (April 11, 1966)
7. Life in the North during the Civil War, A Source History, by George Winston Smith and Charles Judah. 6 x 9 $\frac{1}{2}$ in., 413 pp. 32 illus. from nineteenth-century documents. \$6.50 (Mar. 28, 1966)
8. The Southwestern Journals of Adolph F. Bandelier, 1880-1882, edited and annotated by Charles H. Lange and Carroll L. Riley. Published jointly with the Museum of New Mexico and the School of American Research, Santa Fe. 6 x 9 $\frac{1}{2}$ in., 502 pp. 21 photos 2 maps, facsimile page, 80 Bandelier drawings. \$10.00 (May 4, 1966)
9. Steinbeck and His Critics, a Record of Twenty-Five Years. An anthology with an introduction and notes, by E. W. Tedlock, Jr., and G. V. Wicker. Third printing, based on 1957 edition, with new jacket and cover design. 6 x 9 in., 352 pp. \$6.00 (Sept. 10, 1965)
10. D. H. Lawrence, Artist & Rebel, A Study of Lawrence's Fiction, by E. W. Tedlock, Jr. Reprinted from 1963 edition, with minor corrections. 6 x 9 $\frac{1}{2}$ in., 254 pp. \$5.00 (Oct. 29, 1965)

B. University of New Mexico Publications

1. Catalog of the Collections of the Institute of Meteoritics, the University of New Mexico, as of October 1, 1965, by Lincoln LaPaz. UNM Publications in Meteoritics, No. 4.
6 x 9 in., 154 pp. 23 illus. Paper, \$2.00 (Oct. 14, 1965)
2. University of New Mexico Contributions in Geology, 1898-1964, by Stuart A. Northrop. UNM Publications in Geology, No. 7.
6 x 9 in., 156 pp. 5 illus. Paper, \$2.00 (May 27, 1966)

C. New Mexico Quarterly

XXXIV:4,	Winter 1964-65	(July 16, 1965)
XXXV:1,	Spring 1965	(Oct. 20, 1965)
XXXV:2,	Summer 1965	(Dec. 29, 1965)
XXXV:3,	Autumn 1965	(Feb. 4, 1966)
XXXV:4,	Winter 1965-66	(Apr. 1, 1966)
XXXVI:1,	Spring 1966	(June 15, 1966)

V. Outside professional activities of Press staff members

1. On June 19, 1965, Roland Dickey conducted a discussion on the function of university presses for a UNM seminar, Administration in Higher Education.
2. On July 25, 1965, Dickey lectured at the annual meeting of the New Mexico Presswomen in Albuquerque on "Writing and Editing."
3. On Jan. 10, 1966, Dickey spoke at a meeting of the Albuquerque Library Association on "The Publisher and the Librarian."
4. June 12-16, 1966, Roland Dickey, Carol Kurman (Sales Manager), and Leonard Prehn (Production Manager) of the Press staff, attended the annual meeting and workshops of the American Association of University Presses at Rutgers University. Dickey served as a member of the Program Committee for planning the meeting. He conducted an evening workshop on editorial planning.
5. On Feb. 9, 1966, Carol Kurman, Sales Manager, participated in a panel discussion on writing and publishing at a meeting of the Albuquerque Press Women.

VI. Ford Foundation grants

Three titles were published under Ford Foundation grants to stimulate scholarly publishing in the humanities and social sciences. The titles, with the amount of Ford Foundation contribution toward their manufacture are: The Life & Death of John Henry Tunstall (\$4,000), The Public Domain in New Mexico (\$2,000), and New Mexico Place Names (\$2,000).

VII. Wurlitzer Foundation grant

The Helene Wurlitzer Foundation of New Mexico, with headquarters in Taos, has established two annual awards of \$50 each, one for the best short story, and one for the best poem, to be printed in New Mexico Quarterly each year. Two honorable mentions in each category were named at the same time the winners of the \$50 awards were announced in the Spring 1966 issue.

VIII. Library gifts

During the year, the Press presented to Zimmerman Library 137 books, 84 pamphlets, 377 periodicals, and 106 newspapers. The materials were received from publishers and other agencies, a substantial part for review and exchange with New Mexico Quarterly. The Library regularly receives about 90 periodical subscriptions as Quarterly exchange. In addition, the Library received approximately 90 periodical subscriptions in exchange for New Mexico Historical Review. The Library continues to receive hundreds of monographs and books from other institutions in exchange for the UNM Publications Series.

The Report of the Student Affairs Office

July 1, 1965 - June 30, 1966

Harold W. Lavender, Dean of Students

The Student Affairs departments of the University perform non-academic services for students outside the classroom. The overriding purpose of the Division is to make the student's experience at the University more profitable because these services either contribute directly to his education or support his classroom experience in some necessary and significant manner.

Each of the seven departments administered by the Dean of Students will submit an annual report; this report, therefore, does not cover the same material. Rather, it attempts to put into perspective significant developments of a general nature which took place within the student body during the 1965-66 academic year. In addition, recommendations for the future are made.

I

New Developments

Several entirely new developments in student life reflected the growing awareness by all segments of the campus community that a new generation of students is coming of age. Student leadership found a satisfactory response from both the Administration and the Faculty to their efforts to improve communications.

The student-faculty lunch created a climate of understanding which may well foretell a period of cooperation between the two groups in such matters as curriculum, grading, and course content. These informal sessions were organized by an ad hoc committee of students and faculty, with Mr. William Bierbaum, Director of the Union, also serving.

Another innovation was the monthly dinner meetings of student leaders and first and second echelon administrators. These sessions developed a vehicle for sounding the various problems that these two groups confront in their dealings with each other. The Administration found this activity most rewarding -- particularly in the revelation of the calibre of students who had achieved leadership roles and in their ability to understand the problems of administering a complex, large university.

Responding to several years of preparation, student leaders refined and pushed to passage a new constitution for the student body. The new government went into effect with the spring elections. There is no evidence to date that the new is a particularly great improvement over the old. The significance, doubtless, lies in the values gained by the students who wrote and refined the constitution as well as by those who participated in the debates and the election. The future will show whether more meaningful participation in student government has resulted from the new constitution.

A new development of a somewhat different kind may have resulted from the chartering of two new student organi-

zations, both radical. The Students for a Democratic Society drew to its support those students with far-left leanings; the Young Americans for Freedom those with far-right. Together with ACOHR these two groups provided leadership for several protests and demonstrations and other "student-activist" activities. The administrative stance with respect to these activities insured that so long as nothing illegal ensued, the students were to be given any protection necessary to carry on their activities. The Campus Security Officer and his staff cooperated fully and, generally, there were few difficulties. It is probably correct to say that the attention paid to these activities by the Administration and by the campus and local press was entirely disproportionate to the small numbers of students involved. However, it would be a serious mistake to discount the importance of the activities because so few participated. The student activist on the American college campus is performing a catalytic function, crystallizing for a given campus student response to the current topics of greatest interest. It can surely be stated that the entire student body at UNM made some progress in maturity as the result of these activities.

At the end of the year another development was the creation of a "Free University." Spearheaded by Jack Weber, a graduating senior, this development occurred with the blessing of the Administration. No formal assessment of the program has been made, although two of the cooperating professors expressed satisfaction with their roles. Subjects

covered by these non-credit, seminar type courses ranged from art appreciation to psychedelic drugs.

A far-reaching development occurred with the approval of the Regents of a statement of policy concerning off-campus speakers. The statement for the most part confirmed already existing practice. It did regularize the procedures for bringing in off-campus speakers by student groups, establishing the office of the Dean of Students as the clearing house for the execution of the policy. Before the year was out, several groups had followed the procedures. There was some indication that certain faculty members were not in sympathy with the administrative detail and it may be that next year will see requests for refinements. The significance of the policy lies in its great liberality, there being little likelihood that any speaker would ever be disapproved except on procedural grounds.

The Regents also adopted a statement on rights and responsibilities which delegates to students the responsibility for their own self government in the affairs of the student community. The Dean of Students acts as the liaison between the students and other segments of the University and provides guidance when requested. But, in general, the students responded well to their responsibilities and made no major mistakes in managing their own affairs.

One other new development was the establishment of a graduate student council, supervised by the Dean of the Graduate School. Several conversations throughout the year

reflected the notion that graduate students were not related to the office of the Dean of Students in the same way as undergraduates. Nevertheless, certain of the services of the Student Affairs Division are equally for graduates and all other students, and, consequently, liaison between this graduate student council and this office is necessary. Arrangements for this liaison have been made.

This year's Conference on the University took the form of a "gripe" session engaged in by a captive audience in the Union cafeteria. Deans Trowbridge, Springer, Travelstead, Whiteside, Mathany and Lavender submitted to questioning throughout the morning and part of the afternoon. The scatter-gun questioning reflected student concern in a number of areas; noteworthy were questions about the curriculum and teaching and about controversial student organizations like fraternities and sororities and the DuBois Club. The effort seemed salutary in that some highly volatile questions posed by some highly volatile students were fielded without apparent rancor. A less formal arrangement would probably produce more satisfactory results.

Considerable activity occurred in several other areas of student life: student publications, Homecoming, Fiesta, religious groups, NSA, Honors Assembly, and the like. The student voice began to be heard in many councils of the University previously reserved for Faculty and Administration. If one attempted to evaluate all of these developments in an effort to assign degrees of importance to them, he would find

the task most difficult. However, an overall evaluation is in order.

The one most compelling impression is that student leaders found a satisfactory way to communicate their concerns. The open-door policy of the Administration produced interchanges which resulted in real understanding. The specific formal activities were fruitful. The maturity demonstrated by the students encouraged the Administration to take them more and more into their councils. This confidence was reciprocated. At the end of the year, there seemed no doubt that student leaders and the Administration had developed a way of working together which portended well for the future. An imponderable in the situation was the extent to which student leaders spoke for the entire student body. There were one or two indications that some students, thwarted in their efforts to find real reasons to complain of their treatment by the Administration, were nevertheless prepared to follow the Paul Goodman tactic of "damn the Administration, full speed ahead" in unreasoning opposition. These indications will be followed closely.

Other Developments.

The office of the Dean of Students published a new edition of Your University with great assistance from Mr. Tony Hillerman. The Student Directory also came out under the office's direction aided by Data Processing.

The Dean served on a number of committees, both standing and ad hoc. One of the latter, a faculty committee to study

chartering, did not make too much progress. The subject, however, remains quite important and efforts to arrive at a policy statement will be intensified in the new year. The committees on which the Dean served are as follows:

- Committee on the University
- Cultural Committee (chairman)
- Student Affairs Committee (chairman)
- Union Board
- Union Building Committee
- Administrative Committee
- Housing Committee (chairman)
- Concert Hall Board
- University Building Committee
- Chartering Committee
- Ad hoc Committee to plan an International Center
- Orientation Committee
- Committee to Plan Conferences on University Reform
- Statewide Coordinating Council
- Advisory Council, C.S.P.I.

In addition, the Dean served as a member of the doctoral committees of John Aragon and I. V. Payne. He was the UNM member of ACUCM.

As can be seen from the list of committees, the Student Affairs Division has good reason to be represented on them. Although the list is long, the duties were not too arduous and continuation on most of them seems desirable. With the separation of Counseling and Testing from this Division, one communications gap has developed in that the Dean of Students has no formal relationship with University College. Informal communication and cooperation between the two offices was excellent and there may be no need for a formal arrangement. However, since so many students are enrolled in University College, and since the counseling and testing

functions are such an important part of the student's early college experience, there probably should be some continuous liaison.

Within the Division excellent working relationships continued throughout the year. At regular monthly staff meetings with directors of the departments within the Division discussions centered around common objectives and problems. These discussions proved very beneficial.

II

Plans and Recommendations

1. No major changes are planned next year. However, it is probably timely for the University of New Mexico to begin to contemplate certain organizational changes which would reflect more accurately the changing concepts of student personnel work. Specifically, the functions performed in the office of the Deans of Men and Women are being re-examined on campuses all over the country and certain administrative re-definitions are being devised. I propose to study these developments with members of the staff next year and perhaps arrive at recommended changes as the year progresses.

2. Clearly, the successful innovations of the current year will be continued and improved.

3. I propose to follow up the "gripe session" of last spring with a regular Dean of Students' forum to be held informally, and with smaller groups, in which current issues will be discussed. My purpose will be to keep myself alert to possible problems and to provide the students a continuing

opportunity to become informed on administrative matters.

4. I will attend the NSA National Conference in August, 1966. Following this meeting, I expect to make recommendations in the areas of student government which need attention.

5. One problem related to the operation of this division arises from a lack of understanding of its functions by large segments of the University campus. The title "Dean of Students" suggests more limited functions than is indeed the fact. The result is that the Division is sometimes overlooked in the planning stages of certain activities in which it has a legitimate interest. I propose to try to remedy this situation by a somewhat more determined effort to make clear throughout the campus that the student voice and point of view need to be heard increasingly, and that the several departments of the Division are indeed coordinated in this office.

6. In the matter of office space for the Student Affairs Division, present plans call for renovation of Mesa Vista Hall sometime after the 1966-67 academic year, with most of the departments moving into the spaces sometime during the 1967-68 year. One task of the Division during the coming year will be to establish space needs and work with appropriate University officials in planning for this renovation.

III

Administrative Appointments.

The new appointments in this Division at the director level this year were:

1. Harold W. Lavender, Dean of Students
Effective July 1, 1965
2. Jack Sheehan, Director of Student Aids
Effective July 1, 1965
3. Gerald Slavin, Director of International Services
Effective July 1, 1965

There were no separations.

IV

Outside Activities.

1. The Dean of Students attended three national or regional meetings.
 - a. The 7th Annual WICHE Institute at Berkeley, California, July 12-16, 1965. Subject: Order and Freedom on the Campus.
 - b. The annual meeting of Western Deans, San Francisco, California, January 27-29.
 - c. The annual meeting of The Association for Higher Education, Chicago, Illinois, March 13-16.
2. He also attended two meetings of a new state organization -- New Mexico Association of Deans of Students.
3. The Dean made several public speeches (two as a result of his being listed on the Speakers Bureau list):
 - a. Latin American Seminar
 - b. Nursing Convention
 - c. Albuquerque Academy
 - d. State BSU Convention
 - e. Several student organizations
4. He is a member of the Albuquerque Rotary Club, (Chairman, Music Committee, 1966-67).

The University of New Mexico
Office of Admissions and Records

October 1, 1966

President Tom L. Popejoy
The University of New Mexico

We are presenting in these pages the seventeenth annual report of the Office of Admissions and Records. Contained in the report are admission and enrollment statistics for the 1965 Summer Session and the 1965-66 Fall and Spring Semesters. To provide perspective on the growth during recent years of enrollments in the University and its various academic divisions, some comparative tables have been included.

We take this opportunity to express our thanks for the cooperation we have received this year from administrative officers and faculty members in our attempts to cope with some of the problems resulting from growing student enrollments.

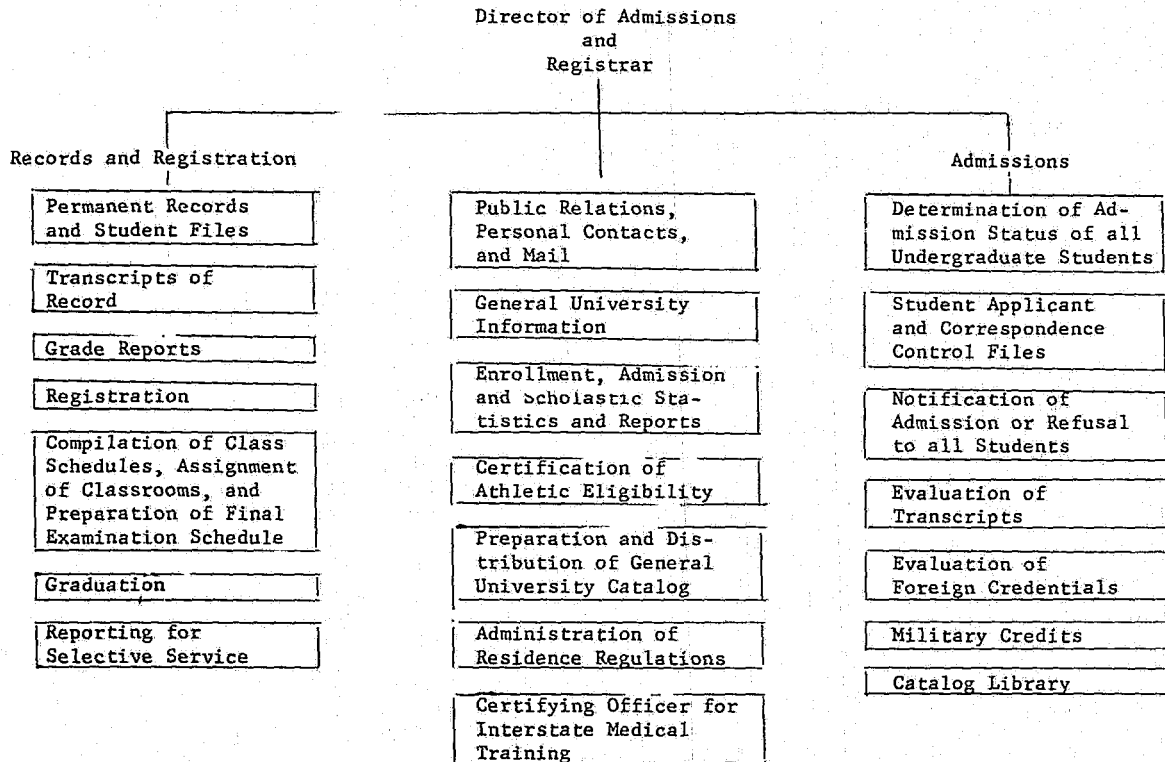
Respectfully submitted,

J. C. MacGregor
Director of Admissions
and Registrar

TABLE OF CONTENTS

	Page
CHART OF THE GENERAL FUNCTIONS OF THE OFFICE OF ADMISSIONS AND RECORDS	1
INTRODUCTION	2
ADMISSION STATISTICS	
Comparison of Admissions Processing Loads for Fall Semesters 1956 through 1965	7
Summary by Categories of Admissions and Readmissions	8
Summary of New and Readmitted Students by College, 1965-66	9
Beginning Freshman Admissions, 1965-66	10
Comparison of Beginning Freshman Admissions	15
ENROLLMENT STATISTICS	
Student Enrollments 1946-47 through 1965-66	17
Full-time Student Equivalents Compared with Total and On-Campus Enrollments	18
Analysis of Enrollments by Semester Hour Loads	19
Analysis of Student Enrollments and Credit Hours by Colleges and Departments	20
Nine-year Summaries of Enrollments by Colleges	22
Enrollment by College and Class - 1965 Summer Session	25
Enrollment by College and Class - Semester I, 1965-66	26
Enrollment by College and Class - Semester II, 1965-66	27
College Enrollments: University College, Arts and Sciences	28
Business Administration, Education	29
Engineering, Fine Arts	30
Nursing, Pharmacy	31
Graduate School	32
Law School, Medical School	33
Analysis of Evening Credit Enrollments	34
Analysis of Enrollments - Off-campus Resident Credit	35
Comparative Enrollments - Off-campus Resident Credit	37
Geographical Sources of Enrollment	38
Comparative Enrollments - Resident and Non-resident	42
Comparative Enrollments - Men and Women	43
Withdrawals Related to Total Enrollments	44
GRADE-POINT AVERAGE SUMMARIES - ACADEMIC YEAR 1965-66	
Summary of Grade-point Averages	46
Scholarship Standing by Colleges	47
DEGREES CONFERRED	
Total by Years	49
By Colleges and Years: Arts and Sciences	49
Education, Engineering	50
Fine Arts, Business Administration	51
Pharmacy, Law, Nursing	52
Graduate School, Masters Degrees	53
Doctors Degrees	54

CHART OF THE GENERAL FUNCTIONS
OF THE OFFICE OF ADMISSIONS AND RECORDS



The Office of Admissions and Records functions as a unit of the Division of Student Affairs under the supervision of the Dean of Students. The chart on the preceding page outlines the main functions of the office.

Many of the problems with which the Office had to cope during the 1965-66 school year were related to another sizeable increase in University enrollment. The 13.6 percent increase in the fall semester head count and the 16.8 percent increase in Full-Time Equivalent speak for themselves.

Probably the most serious problem in all sections of the office ascribable to substantial enrollment increases is the shortage of working space. This shortage has become acute and is resulting in decreased efficiency of operation and delay in needed reorganization.

ADMISSIONS

Three new developments affected load and procedures in the Admissions section of the office. These were adoption of an application fee, advance of the application deadline to July 15, and increase in the grade average required for admission of non-resident applicants.

Application Fee. To help defray some portion of the expense involved in processing increasing numbers of applications, a ten-dollar Application Fee became effective with the 1965-66 school year. It was also hoped that adoption of the fee, required before any admissions processing is done, would discourage a few "shoppers". The fee applies to all new applicants at the undergraduate and graduate levels and to new Law School applicants.

Application Deadline. The deadline for receipt of applications and all required credentials for fall applicants seeking admission to regular status was moved from August 15 to July 15. No change was made in the January 1 deadline for the spring semester.

Non-resident Admission Requirement Raised. On March 9, 1965, the General Faculty approved a recommendation from the Committee on Entrance and Credits that a minimum 2.5 grade average be required of non-resident applicants. The Admissions Office applied this new requirement to all non-residents whose applications were not completed by March 10. Those non-residents whose applications and credentials had been accepted in advance of the faculty action were allowed to enter in the 1965 fall on the basis of the previous 2.0 requirement. Adoption of the 2.5 minimum requirement was admittedly a device to slow an anticipated large influx of non-resident applicants. Although 408 freshmen and 265 transfer students were refused admission after adoption of the 2.5 requirement, it is interesting that 191 of these freshmen and 138 of the transfer students had averages below 2.0 and would have been refused under the University's previous regulation. Adoption of the higher requirement, therefore, affected 217 freshmen and 127 transfer students. Those non-residents who met the 2.5 average and were admitted following establishment of the new rule amounted to 324 freshmen and 277 transfers. Results of the higher admission requirement for non-residents will undoubtedly be much clearer when statistics for the 1966 fall semester are available.

Although a shortage of working space has become a problem in all areas of the office, it is nowhere more obvious than in the Records section. Most of the available devices for making better use of space have been employed.

Microfilming. Microfilming of supporting student records was adopted a number of years ago to stretch as far as possible our limited fireproof vault storage space. Folders of students who had been absent from the University for four years were microfilmed periodically and the contents of the folders were then destroyed. It became obvious during 1965-66 that this operation must be placed on a continuous, full-time, year-around basis. Even after the installation of multi-tiered, open-face filing in all available vault space, student folders cannot be accommodated without continuous microfilming of all but current materials.

New Files for Current Student Records. To relieve the crowded vault situation and to prevent further mutilation of student Permanent Record cards resulting from overcrowded files, fireproof file safes were installed this year in the Records Office to accommodate current Permanent Records. Six of these files are presently in use. Constructed to provide security and reasonable fire protection, each file unit is large and heavy. While these have partially alleviated the vault space problem, they have intensified the space problem in the Records Office itself and it is obvious that more units must be added as enrollments continue to grow.

Machine Classification of Students. Not all activities of the office were directly involved with space problems. The first steps were taken this year to convert from manual to data processing methods the determination of student classification. Each of the undergraduate colleges of the University was asked to designate the number of completed credit hours they would require for each classification, i. e., first year, second year, third year, etc. They were then asked to determine for each student enrolled during the 1966 spring semester the number of credit hours successfully completed in relation to his specific degree requirements and to provide for him a current classification. This information was transmitted to Data Processing on an especially designed card. Using this designation of completed hours as a base, Data Processing will add hours completed in subsequent sessions and automatically re-classify the student as he achieves the specific number of credit hours required for a given classification in his college. Procedures were also established to provide Data Processing with the credit hour information needed for future classification of new transfer students, readmitted students, and students transferring from one college to another within the University.

Selective Service. The reporting load of the Records Office was substantially increased during the year as a result of new Selective Service regulations for deferment of college students and increased draft quotas forced by the worsening Viet Nam war. National Selective Service directives placed upon collegiate institutions the responsibility of ranking all male students on the basis of their academic performance and of reporting the student's rank in class at the close of each school year. Institutions were further required to report whether or not the student made "normal progress" during the year toward his degree objective. Normal progress is defined by Selective Service as successful completion

of a sufficient number of credit hours to move the student from the classification (freshman, sophomore, etc.) he held at the beginning of the year to the next higher classification. These year-end reports, added to the increased number of certifications of enrollment at the beginning of each semester, added heavily to the clerical load of the Records Office.

Transcripts. One of the inevitable results of growing enrollments is an increase in the number of requests for transcripts of record. To improve the speed and quality of reproduction of permanent records for both transcripts and the thousands of advisement records required each year, a Xerox unit was installed in the Records Office during 1965-66.

The table below shows that 18,682 official transcripts of record, an increase of 15½ percent over 1964-65, were issued. Of these 6282 were the free copies to which students are entitled. The remaining 12,400 transcripts resulted in payments or charges of \$12,400.00.

Transcripts Issued
July 1, 1965 through June 30, 1966

<u>Month</u>	<u>Number Issued</u>	
	<u>1964-65</u>	<u>1965-66</u>
July	1474	1239
August	1675	2313
September	1759	1775
October	1163	1003
November	836	1059
December	1192	1251
January	1152	1530
February	1527	1844
March	1766	1989
April	1234	1524
May	1055	1454
June	<u>1334</u>	<u>1701</u>
Totals	<u>16167</u>	<u>18682</u>
Monthly Average	<u>1347</u>	<u>1557</u>

Mail. One indicator of work loads throughout the Office of Admissions and Records is the mail count. The figures in the table below do not include catalog mailings.

COMPARATIVE MAIL COUNT
FOR THE PERIOD JULY 1 THROUGH JUNE 30
1964-65 and 1965-66

	1964-65		1965-66	
	<u>Incoming</u>	<u>Outgoing</u>	<u>Incoming</u>	<u>Outgoing</u>
July	5444	9534	5877	10930
August	5147	20963	4793	21780
September	3907	6042	4789	6831
October	4004	4757	4763	7013
November	5098	14709	6657	24858
December	5066	5013	4861	15635
January	6172	12994	6150	6341
February	6209	8799	7115	18938
March	7110	10796	6380	13699
April	8152	21303	6749	28077
May	6783	12920	6770	11780
June	<u>6377</u>	<u>12513</u>	<u>6568</u>	<u>20464</u>
Totals	<u>69469</u>	<u>140343</u>	<u>71472</u>	<u>186346</u>
Monthly Average	<u>5789</u>	<u>11695</u>	<u>5956</u>	<u>15529</u>

Catalogs. Thirty-five thousand copies of the 1965-66 edition of the University's general catalog were distributed to students, prospective students, faculty, and to other institutions and organizations. The general catalog is compiled and edited in the Office of Admissions and Records and is published shortly after the first of April each year.

ADMISSION STATISTICS

ACADEMIC YEAR

1965-66

AND

COMPARATIVE DATA

ADMISSIONS PROCESSING LOADS

Fall Semesters, 1956 through 1965

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
Total Applications Received	<u>4129</u>	<u>4469</u>	<u>4886</u>	<u>5327</u>	<u>5746</u>	<u>6425</u>	<u>6750</u>	<u>7461</u>	<u>8896</u>	<u>9567</u>
Incomplete Credentials	322	207	435	562	629	799	578	889	773	710
Total Applications Processed	<u>3807</u>	<u>4262</u>	<u>4451</u>	<u>4765</u>	<u>5117</u>	<u>5626</u>	<u>6172</u>	<u>6572</u>	<u>8123</u>	<u>8857</u>
Did Not Show	533	662	740	678	810	918	1034	1140	1292	1332
Cancelled	184	172	175	218	225	274	483	323	754	626
Refused	<u>158</u>	<u>212</u>	<u>329</u>	<u>394</u>	<u>574</u>	<u>746</u>	<u>868</u>	<u>925</u>	<u>1227</u>	<u>1691</u>
	875	1046	1244	1290	1609	1938	2385	2388	3273	3649
Admitted and Registered	<u>2932</u>	<u>3216</u>	<u>3207</u>	<u>3475</u>	<u>3508</u>	<u>3688</u>	<u>3787</u>	<u>4184</u>	<u>4850</u>	<u>5208</u>

1965 Fall Semester

ADMISSIONS

Beginning Freshmen

By Certificate	2281
By Examination	25
After Special Testing and Interview	86
With More than 2 Subject Deficiencies	<u>1</u>

Total Beginning Freshman Admissions 2393

Undergraduate Transfers

From Two-year Colleges	112
From Four-year Colleges	<u>523</u>

Total Undergraduate Transfer Admissions 635

Graduates

With Degree from U. N. M.	155
With Degree from Other Institutions	<u>495</u>

Total Graduate Admissions 650

Law

Prelegal Studies at U. N. M.	21
Prelegal Studies at Other Institutions	47
Transferring from Other Law Schools	<u>7</u>

Total Law School Admissions 75

Medicine

Premedical Studies at U. N. M.	6
Premedical Studies at Other Institutions	<u>17</u>

Total Medical School Admissions 23

Non-degree Admissions 564

Total Students Admitted and Registered 4340

READMISSIONS

Undergraduate	421
Graduate	235
Law	3
Non-degree	<u>209</u>

Total Students Readmitted and Registered 868

TOTAL NEW AND READMITTED REGISTRANTS 5208

ADMISSION STATISTICS
1965-66

SUMMARY OF NEW AND READMITTED STUDENTS
BY COLLEGE

College	1965 Summer Session			Semester I			Semester II		
	New	Readmitted	Total	New	Readmitted	Total	New	Readmitted	Total
University	169	51	220	2658	219	2877	310	167	477
Arts & Sciences	31	28	59	158	97	255	57	88	145
Business Administration	7	7	14	33	16	49	15	11	26
Education	12	24	36	82	44	126	42	41	83
Engineering	5	3	8	44	19	63	15	15	30
Fine Arts	3	8	11	35	21	56	9	14	23
Nursing	1	2	3	2	2	4	1		1
Pharmacy	2	1	3	16	3	19	3	4	7
Non-degree	412	167	579	564	209	773	372	198	570
Graduate	361	339	700	650	235	885	261	237	498
Law	3		3	75	3	78		1	1
Medicine	—	—	—	23	—	23	—	—	—
Totals	<u>1006</u>	<u>630</u>	<u>1636</u>	<u>4340</u>	<u>868</u>	<u>5208</u>	<u>1085</u>	<u>776</u>	<u>1861</u>
Returning Students			2371			6978			9615
Workshops			<u>609*</u>			—			—
Total Enrollments			<u>4616</u>			<u>12186</u>			<u>11476</u>

*Workshops scheduled during the regular eight-weeks' session and late workshops are included in the total summer session enrollment. These do not appear in the separate listing of workshops.

BEGINNING FRESHMAN ADMISSIONS
1965-66 Academic Year

847

NEW MEXICO HIGH SCHOOLS

	<u>1965</u> <u>Summer</u>	<u>1965</u> <u>Fall</u>	<u>1966</u> <u>Spring</u>	<u>Total</u>
Academy for Boys (Albuquerque)		5		5
Alamogordo	1	35	1	37
Albuquerque High	4	74	9	87
Artesia	1	9		10
Aztec		7	2	9
Belen	1	26	2	29
Bernalillo		7	2	9
Bloomfield		1		1
Capitan	1			1
Carlsbad		23		23
Carrizozo		4	1	5
Cathedral (Gallup)		9		9
Central Catholic (Taos)		1		1
Central Consolidated (Kirtland)		2		2
Cimarron		1		1
Clayton		3		3
Cloudcroft		2		2
Clovis		13		13
Cobre Consolidated		5		5
Cuba		1		1
Del Norte (Albuquerque)		1		1
Deming	1	16	1	18
Dulce Independent		1		1
Espanola		18	2	20
Estancia	1			1
Eunice		5		5
Farmington	1	35	1	37
Fort Sumner		1		1
Fort Wingate		2		2
Gadsden Union (Anthony)	1	1		2
Gallup	1	34		35
Grants		11	1	12
Highland (Albuquerque)	32	259	29	320
Hobbs	1	20	1	22
Hot Springs	1	2		3
Jal		4		4
Jemez Springs	1	5		6
Laguna-Acoma		2		2
Lar School (Albuquerque)			1	1
Las Cruces		13		13
Logan		1		1
Lordsburg		3		3

BEGINNING FRESHMAN ADMISSIONS - NEW MEXICO HIGH SCHOOLS (Cont.)

	<u>1965</u> <u>Summer</u>	<u>1965</u> <u>Fall</u>	<u>1966</u> <u>Spring</u>	<u>Total</u>
Loretto Academy (Santa Fe)		8		8
Los Alamos	1	61	2	64
Los Lunas	1	7		8
Lovington	1	3		4
Madonna (Mesilla Park)		2		2
Magdalena		2		2
Manzano (Albuquerque)	22	208	11	241
McCurdy Mission (Santa Cruz)		1	1	1
Menaul (Albuquerque)		10	1	11
Mora		3	1	4
Moriarty		1	1	2
Mountainair		1		1
Navajo Methodist (Farmington)		1		1
N. M. Military Institute (Roswell)	1	20	2	23
N. M. School for the Visually Handicapped		1		1
Northern New Mexico (El Rito)		3		3
Our Lady of Sorrows (Bernalillo)	1		1	2
Pojoaque		4		4
Portales		1		1
Quemado		1		1
Questa		1		1
Raton		15		15
Rehobeth Mission		1		1
Rio Grande (Albuquerque)	3	105	13	121
Robertson (Las Vegas)		7		7
Roswell Senior		38		38
Ruidoso		4		4
St. Mary (Albuquerque)	3	35	4	42
St. Mary's Academy (Silver City)		1		1
St. Michael's (Santa Fe)	1	10	1	12
St. Peter's (Roswell)		2		2
St. Pius X (Albuquerque)	4	51	8	63
St. Vincent Academy (Albuquerque)		23	1	24
Sandia (Albuquerque)	29	308	25	362
Sandia View Academy (Albuquerque)		1		1
Santa Cruz		2		2
Santa Fe		42		42
Santa Rosa Consolidated		5		5
Silver City		2		2
Socorro		4	1	5
Springer		4		4
Taos		14	1	15
Tatum		1		1
Tierra Amarilla		1	1	2
Tucumcari	3	9		12
Valley (Albuquerque)	11	151	12	174

BEGINNING FRESHMAN ADMISSIONS - NEW MEXICO HIGH SCHOOLS (Cont.)

	<u>1965</u> <u>Summer</u>	<u>1965</u> <u>Fall</u>	<u>1966</u> <u>Spring</u>	<u>Total</u>
Vaughn		1		1
Wagon Mound		2		2
West Las Vegas		1		1
Zuni		1		1
G.E.D. or other Tests (New Mexico Residents)			1	1
Total from New Mexico	<u>129</u>	<u>1841</u>	<u>141</u>	<u>2111</u>

Note: Beginning freshmen entering the University during the 1965-66 school year represented 91 New Mexico high schools.

OTHER STATES

	1965 <u>Summer</u>	1965 <u>Fall</u>	1966 <u>Spring</u>	<u>Total</u>
Alabama		7	1	8
Alaska		6		6
Arizona	1	17	1	19
Arkansas		3	1	4
California	2	79	6	87
Colorado	1	24	3	28
Connecticut		7		7
Delaware		2		2
District of Columbia		4		4
Florida		4		4
Georgia	1	3		4
Hawaii		10		10
Idaho		1		1
Illinois		40	3	43
Indiana		10	1	11
Iowa	1	8	2	11
Kansas	1	13	1	15
Kentucky		1		1
Louisiana		6		6
Maine		2		2
Maryland	1	8		9
Massachusetts		10	1	11
Michigan	1	12	1	14
Minnesota		6	1	7
Missouri		12	1	13
Montana		3		3
Nebraska		2		2
Nevada		10		10
New Hampshire		1		1
New Jersey	1	19	1	21
New York		33		33
North Carolina		4		4
North Dakota		1		1
Ohio	1	21	1	23
Oklahoma		7	2	9
Oregon		1		1
Pennsylvania		15	2	17
South Dakota		4		4
Tennessee		1		1
Texas	4	60	6	70
Utah	1	3	2	6
Vermont		2		2
Virginia		13		13
Washington		7		7
Wisconsin	2	6		8
Wyoming		1		1
Total from Other States	<u>18</u>	<u>509</u>	<u>37</u>	<u>564</u>

BEGINNING FRESHMAN ADMISSIONS (Cont.)

TERRITORIES AND FOREIGN COUNTRIES

	<u>1965 Summer</u>	<u>1965 Fall</u>	<u>1966 Spring</u>	<u>Total</u>
Bermuda			1	1
Canada		4	1	5
Chile		1		1
Colombia		1		1
Ecuador		1		1
England		1		1
Ethiopia		1		1
France		5		5
Germany, West		8	1	9
Guam		1		1
India			1	1
Iran		3	1	4
Israel		1		1
Italy		1		1
Ivory Coast			1	1
Japan		3		3
Lebanon		1		1
Mexico		1		1
Peru			1	1
Puerto Rico		2		2
Ryukyu Islands		2		2
Spain			1	1
Switzerland		3		3
Turkey		1		1
Uganda		1		1
Uruguay		<u>1</u>		<u>1</u>
Total from Terr. and Foreign Countries		<u>43</u>	<u>8</u>	<u>51</u>

SUMMARY OF BEGINNING FRESHMAN ADMISSIONS

	<u>1965 Summer</u>	<u>1965 Fall</u>	<u>1966 Spring</u>	<u>Total</u>
New Mexico High Schools	129	1841	141	2111
Other States	18	509	37	564
Territories and Foreign Countries	—	<u>43</u>	<u>8</u>	<u>51</u>
Total Beginning Freshman Admissions	<u>147</u>	<u>2393</u>	<u>186</u>	<u>2726</u>

COMPARISON OF BEGINNING FRESHMAN ADMISSIONS

Fall Semesters 1956-57 through 1965-66

	Fall Semesters									
Admissions from:	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
New Mexico High Schools	797	787	882	935	1031	965	1055	1204	1484	1841
Percent of Total	(73%)	(71%)	(71%)	(72%)	(73%)	(69%)	(70%)	(70%)	(73%)	(77%)
Other States	273	301	352	342	363	403	430	478	516	509
Territories and Foreign	<u>18</u>	<u>18</u>	<u>13</u>	<u>13</u>	<u>17</u>	<u>35</u>	<u>26</u>	<u>29</u>	<u>34</u>	<u>43</u>
Total Out-of-State	291	319	365	355	380	438	456	507	550	552
Percent of Total	(27%)	(29%)	(29%)	(28%)	(27%)	(31%)	(30%)	(30%)	(27%)	(23%)
Total Beg. Fresh. Admissions	<u>1088</u>	<u>1106</u>	<u>1247</u>	<u>1290</u>	<u>1411</u>	<u>1403</u>	<u>1511</u>	<u>1711</u>	<u>2034</u>	<u>2393</u>

ENROLLMENT STATISTICS
ACADEMIC YEAR
1965-66
AND
COMPARATIVE ENROLLMENTS

STUDENT ENROLLMENTS

1946-47 through 1965-66

	<u>Summer Session</u>	<u>Semester I</u>	<u>Semester II</u>
1965-66	4616	12186	11476
1964-65	3743	10723	10169
1963-64	3510	9494	8758
1962-63	3191	8642	8040
1961-62	3049	8086	7330
1960-61	2560	7595	6805
1959-60	2263	7284	6468
1958-59	2334	6914	6132
1957-58	1962	6648	6146
1956-57	1598	5854	5488
1955-56	1429	5028	4629
1954-55	1237	4692	4283
1953-54	1107	4163	3819
1952-53	1108	4086	3845
1951-52	1648	3796	3563
1950-51	1831	4643	4078
1949-50	1886	4795	4501
1948-49	1877	4921	4514
1947-48	1578	4495	4335
1946-47	1256	3649	3542 *

Note: These enrollment figures represent the total resident credit head count for each of the sessions listed.

FULL-TIME STUDENT EQUIVALENTS
COMPARED WITH
TOTAL AND ON-CAMPUS ENROLLMENTS

1960-61 through 1965-66

FALL SEMESTERS

<u>Year</u>	<u>Total Enroll.</u>	<u>F. T. E.*</u>	<u>% of Total Enroll.</u>	<u>On- Campus Enroll.</u>	<u>F. T. E.*</u>	<u>% of On- Campus Enroll.</u>
1960-61	7595	5415	71.30%	7138	5308	74.36%
1961-62	8086	5880	72.71%	7721	5795	75.06%
1962-63	8642	6338	73.34%	8251	6254	75.80%
1963-64	9494	6969	73.40%	9054	6872	75.90%
1964-65	10723	7965	74.28%	10238	7815	76.33%
1965-66	12186	9304	76.35%	11809	9213	78.02%

SPRING SEMESTERS

<u>Year</u>	<u>Total Enroll.</u>	<u>F. T. E.*</u>	<u>% of Total Enroll.</u>	<u>On- Campus Enroll.</u>	<u>F. T. E.*</u>	<u>% of On- Campus Enroll.</u>
1960-61	6805	4873	71.61%	6495	4804	73.96%
1961-62	7330	5292	72.20%	7041	5228	74.25%
1962-63	8040	5817	72.35%	7672	5740	74.82%
1963-64	8758	6456	73.72%	8414	6377	75.79%
1964-65	10169	7560	74.34%	9786	7472	76.35%
1965-66	11476	8874	77.33%	11175	8804	78.78%

*The full-time equivalent (F. T. E.) is computed by dividing the total number of student credit hours by a theoretical full-time load of 16 semester hours.

ANALYSIS OF ENROLLMENTS BY SEMESTER HOUR LOADS
1956-57 through 1965-66

FALL SEMESTERS

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
Number of Students Enrolled for 7 Hours or Fewer	1793	2275	2269	2432	2445	2411	2457	2645	2779	2852
Number of Students Enrolled for 8 to 11 Hours	282	314	356	386	582	643	710	795	974	1026
Number of Students Enrolled for 12 Hours or More	<u>3779</u>	<u>4059</u>	<u>4289</u>	<u>4466</u>	<u>4568</u>	<u>5032</u>	<u>5475</u>	<u>6054</u>	<u>6970</u>	<u>8308</u>
Total Students Enrolled	<u>5854</u>	<u>6648</u>	<u>6914</u>	<u>7284</u>	<u>7595</u>	<u>8086</u>	<u>8642</u>	<u>9494</u>	<u>10723</u>	<u>12186</u>

SPRING SEMESTERS

	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
Number of Students Enrolled for 7 Hours of Fewer	1729	2120	2002	2158	2153	2173	2352	2396	2707	2710
Number of Students Enrolled for 8 to 11 Hours	290	336	403	398	532	658	683	744	932	930
Number of Students Enrolled for 12 Hours or More	<u>3469</u>	<u>3690</u>	<u>3727</u>	<u>3912</u>	<u>4120</u>	<u>4499</u>	<u>5005</u>	<u>5618</u>	<u>6530</u>	<u>7836</u>
Total Students Enrolled	<u>5488</u>	<u>6146</u>	<u>6132</u>	<u>6468</u>	<u>6805</u>	<u>7330</u>	<u>8040</u>	<u>8758</u>	<u>10169</u>	<u>11476</u>

ANALYSIS OF STUDENT ENROLLMENTS AND CREDIT HOURS
BY COLLEGES AND DEPARTMENTS

857

1965-66 Academic Year

(Excluding first-week withdrawals of part-time students and
course drops prior to the fourth week of the semester or to
the third week of the summer session)

College & Dept.	Student Enrollments			Student Credit Hours		
	1965 S. S.	1965-66 (1)	(2)	1965 S. S.	1965-66 (1)	(2)
<u>A. & S.</u>						
Anthropology	170	1980	1570	676	5904	4619
Biology	325	2208	2328	1000	8481	8641
Chemistry	178	1770	1614	533	6017	5253
Economics	172	1232	1257	519	3702	3780
English	784	5818	5113	2363	17454	15387
Geography	33	470	473	69	1410	1419
Geology	95	1669	1571	221	3844	3541
Government	252	1366	1376	756	4098	4134
History	384	3249	3358	1158	9666	9946
Journalism		203	199		533	527
Mathematics & Statistics	412	3046	2791	1470	11620	10649
Mod. & Class. Languages	638	3134	2755	1878	9174	8172
Philosophy	160	698	706	433	2097	2118
Physics & Astronomy	137	1477	1455	345	3619	3646
Psychology	292	2487	2299	830	6438	6185
Sociology	226	1238	1092	703	3714	3281
Speech	119	1032	924	353	3045	2716
TOTAL A. & S.	<u>4377</u>	<u>33077</u>	<u>30881</u>	<u>13307</u>	<u>100816</u>	<u>94014</u>
<u>BUSINESS ADMIN.</u>	<u>250</u>	<u>2098</u>	<u>1914</u>	<u>623</u>	<u>6336</u>	<u>5879</u>
<u>EDUCATION</u>						
Art Education	127	449	498	338	1325	1399
Ed. & Adm. Serv.	1010	1397	1569	2908	4139	4701
Elem. Ed.	552	540	535	1417	1622	1514
Health, P.E., & Recrea.	607	4891	4594	935	6303	6369
Home Econ.	69	405	356	168	1170	1007
Library Science	101	33	72	303	99	216
Secondary Ed.	368	703	730	1030	2274	2551
TOTAL EDUCATION	<u>2834</u>	<u>8418</u>	<u>8354</u>	<u>7099</u>	<u>16932</u>	<u>17757</u>
<u>ENGINEERING</u>						
Chemical	19	267	240	51	625	609
Civil	172	1416	1032	349	3408	2880
Electrical	191	1012	1195	457	2587	2818
Mechanical	51	513	642	153	1477	1832
Nuclear	—	88	59	—	229	167
TOTAL ENGINEERING	<u>433</u>	<u>3296</u>	<u>3168</u>	<u>1010</u>	<u>8326</u>	<u>8306</u>

ANALYSIS OF STUDENT ENROLLMENTS AND CREDIT HOURS (Continued)

College & Dept.	Student Enrollments			Student Credit Hours		
	1965 S. S.	1965-66 (1)	1965-66 (2)	1965 S. S.	1965-66 (1)	1965-66 (2)
<u>FINE ARTS</u>						
Architecture		456	388		1330	1117
Art	253	1763	1823	770	5180	5345
Dramatic Art		373	421		1119	1263
Music	221	1489	1348	391	2554	2279
Music Ed.	<u>281</u>	<u>189</u>	<u>145</u>	<u>601</u>	<u>378</u>	<u>290</u>
TOTAL FINE ARTS	<u>755</u>	<u>4270</u>	<u>4125</u>	<u>1762</u>	<u>10561</u>	<u>10294</u>
<u>LAW</u>	<u>42</u>	<u>714</u>	<u>701</u>	<u>106</u>	<u>2073</u>	<u>1964</u>
<u>MEDICINE</u>		<u>169</u>	<u>161</u>		<u>1154</u>	<u>1104</u>
<u>NURSING</u>	<u>16</u>	<u>95</u>	<u>96</u>	<u>64</u>	<u>639</u>	<u>556</u>
<u>PHARMACY</u>						
Pharmacy	14	247	272	34	771	870
Dental Hygiene	—	<u>155</u>	<u>152</u>	—	<u>447</u>	<u>325</u>
TOTAL PHARMACY	<u>14</u>	<u>402</u>	<u>424</u>	<u>34</u>	<u>1218</u>	<u>1195</u>
<u>AIR FORCE AEROSPACE STUDIES</u>		<u>59</u>	<u>108</u>		<u>177</u>	<u>271</u>
<u>NAVAL SCIENCE</u>		<u>398</u>	<u>337</u>		<u>630</u>	<u>474</u>
GRAND TOTALS	<u>8721</u>	<u>52996</u>	<u>50269</u>	<u>24005</u>	<u>148862</u>	<u>141814</u>

Note: Not listed above are English 010 and Mathematics 010, remedial courses requiring three class hours of attendance each week. Student enrollments in these courses during 1965-66 were:

	<u>S. S.</u>	<u>Sem. I.</u>	<u>Sem. II.</u>
English 010	54	212	478
Mathematics 010	<u>66</u>	<u>625</u>	<u>253</u>
Totals	<u>120</u>	<u>837</u>	<u>731</u>

NINE-YEAR SUMMARY OF ENROLLMENTS BY COLLEGES

1957-58 through 1965-66

<u>College</u>	<u>Summer Sessions</u>								
	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
University	59	272	267	292	342	363	405	508	641
Arts & Sciences	205	214	191	217	256	291	380	438	514
Business Administration	96	70	76	67	42	61	62	86	108
Education	217	178	180	187	278	289	314	312	403
Engineering	144	146	162	117	125	136	146	193	186
Fine Arts	61	61	49	61	66	88	103	120	149
General*	75								
Nursing	9	20	14	28	53	47	32	29	26
Pharmacy	16	10	8	16	18	24	13	31	37
Non-degree	436	518	489	568	765	636	730	748	941
Graduate	643	844	824	1004	1100	1246	1301	1275	1581
Law	<u>1</u>	<u>1</u>	<u>3</u>	<u>3</u>	<u>4</u>	<u>10</u>	<u>24</u>	<u>3</u>	<u>30</u>
Totals	<u>1962</u>	<u>2334</u>	<u>2263</u>	<u>2560</u>	<u>3049</u>	<u>3191</u>	<u>3510</u>	<u>3743</u>	<u>4616</u>

*General College discontinued after 1957 Summer Session.

Note: The College of Pharmacy and the School of Law do not regularly offer courses of their own during summer sessions, but some of their students do take courses from other divisions of the University.

NINE-YEAR SUMMARY OF ENROLLMENTS BY COLLEGES

1957-58 through 1965-66

<u>College</u>	<u>Fall Semesters</u>								
	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
University	1793	2250	2638	2813	2937	3176	3488	4114	4922
Arts & Sciences	856	836	757	810	920	1059	1270	1438	1667
Business Administration	296	274	246	198	178	195	257	313	312
Education	510	461	411	485	598	613	678	674	740
Engineering	671	609	549	458	438	459	482	525	533
Fine Arts	161	161	139	188	248	263	292	323	350
Nursing	43	63	50	78	95	96	83	89	75
Pharmacy	62	67	67	85	110	109	107	105	145
Non-degree	961	801	852	865	860	951	1038	1063	1202
Graduate	1207	1301	1488	1553	1641	1644	1706	1955	2050
Law	88	91	87	62	61	77	93	100	144
Medicine	—	—	—	—	—	—	—	24	26
Totals	<u>6648</u>	<u>6914</u>	<u>7284</u>	<u>7595</u>	<u>8086</u>	<u>8642</u>	<u>9494</u>	<u>10723</u>	<u>12186</u>

Note: The School of Medicine enrolled its first class in the 1964 Fall.

NINE-YEAR SUMMARY OF ENROLLMENTS BY COLLEGES

1957-58 through 1965-66

<u>College</u>	<u>Spring Semesters</u>								
	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
University	1612	1919	2062	2252	2363	2600	2881	3493	4049
Arts & Sciences	793	771	758	813	963	1136	1296	1532	1860
Business Administration	260	257	212	191	183	230	296	306	359
Education	503	429	439	555	645	691	665	748	889
Engineering	636	567	538	434	418	438	489	509	547
Fine Arts	154	157	156	213	256	275	302	344	369
Nursing	47	57	55	81	93	102	87	85	72
Pharmacy	61	64	75	97	111	111	110	120	163
Non-degree	903	665	773	733	700	871	912	1030	992
Graduate	1110	1178	1336	1391	1557	1529	1646	1885	1994
Law	67	68	64	45	41	57	74	93	136
Medicine	—	—	—	—	—	—	—	24	46
Totals	<u>6146</u>	<u>6132</u>	<u>6468</u>	<u>6805</u>	<u>7330</u>	<u>8040</u>	<u>8758</u>	<u>10169</u>	<u>11476</u>

ENROLLMENT BY COLLEGE AND CLASS

1965 Summer Session

<u>College</u>	<u>First Year</u>	<u>Second Year</u>	<u>Third Year</u>	<u>Fourth Year</u>	<u>Fifth Year</u>	<u>Unclass.</u>	<u>Non- Degree</u>	<u>Grad.</u>	<u>Law</u>	<u>Total</u>
University	336	295				10				641
Arts & Sciences		97	186	198		33				514
Business Admin.		25	41	34		8				108
Education		50	147	180		26				403
Engineering		36	58	89		3				186
Fine Arts		19	41	71	6	12				149
Nursing		7	11	6		2				26
Pharmacy		11	10	4	11	1				37
Non-degree							941			941
Graduate								1581		1581
Law									30	30
Totals	<u>336</u>	<u>540</u>	<u>494</u>	<u>582</u>	<u>17</u>	<u>95</u>	<u>941</u>	<u>1581</u>	<u>30</u>	<u>4616*</u>

*Includes all summer workshops.

Note: The fifth year classification applies only to the five-year degree programs in Architecture and Pharmacy.

Note: The School of Law and the College of Pharmacy normally do not offer courses during the summer, but their students may take courses available from other academic areas of the University.

ENROLLMENT BY COLLEGE AND CLASS

Semester I, 1965-66

<u>College</u>	<u>First Year</u>	<u>Second Year</u>	<u>Third Year</u>	<u>Fourth Year</u>	<u>Fifth*</u> <u>Year</u>	<u>Unclass.</u>	<u>Non- Degree</u>	<u>Grad.</u>	<u>Law</u>	<u>Med.</u>	<u>Total</u>
University	3645	1251				26					4922
Arts & Sciences		543	595	439		90					1667
Business Admin.		106	105	91		10					312
Education		209	274	223		34					740
Engineering		181	163	170		19					533
Fine Arts		104	95	107	19	25					350
Nursing		25	26	24							75
Pharmacy		58	40	19	21	7					145
Non-degree							1202				1202
Graduate								2050			2050
Law									144		144
Medicine										46	46
Totals	<u>3645</u>	<u>2477</u>	<u>1298</u>	<u>1073</u>	<u>40</u>	<u>211</u>	<u>1202</u>	<u>2050</u>	<u>144</u>	<u>46</u>	<u>12186**</u>

*The fifth year classification applies only to the five-year degree programs in Architecture and Pharmacy.

**Of the total enrollment 893 students were registered for evening courses only.

Evening Undergraduates:

Regular Status	261
Non-degree Status	365
Evening Graduates	267
Total Evening Enrollment	<u>893</u>

ENROLLMENT BY COLLEGE AND CLASS

Semester II, 1965-66

<u>College</u>	<u>First Year</u>	<u>Second Year</u>	<u>Third Year</u>	<u>Fourth Year</u>	<u>Fifth*</u> <u>Year</u>	<u>Unclass.</u>	<u>Non- Degree</u>	<u>Grad</u>	<u>Law</u>	<u>Med.</u>	<u>Total</u>
University	2946	1059				44					4049
Arts & Sciences		564	677	523		96					1860
Business Admin.		105	128	111		15					359
Education		226	339	281		43					889
Engineering		195	176	163		13					547
Fine Arts		107	107	116	20	19					369
Nursing		17	27	28							72
Pharmacy		75	38	20	24	6					163
Non-degree							992				992
Graduate								1994			1994
Law									136		136
Medicine										46	46
Totals	<u>2946</u>	<u>2348</u>	<u>1492</u>	<u>1242</u>	<u>44</u>	<u>236</u>	<u>992</u>	<u>1994</u>	<u>136</u>	<u>46</u>	<u>11476**</u>

*The fifth year classification applies only to the five-year degree programs in Architecture and Pharmacy.

**Of the total enrollment 892 students were registered for evening courses only.

Evening Undergraduates:

Regular Status	250
Non-degree status	310
Evening Graduates	<u>332</u>
Total Evening Enrollment	<u>892</u>

COLLEGE ENROLLMENTS
MEN AND WOMEN
1965-66

UNIVERSITY COLLEGE

<u>Class</u>	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
First Year	165	171	336	2163	1482	3645	1742	1204	2946
Second Year	166	129	295	772	479	1251	676	383	1059
Unclassified	<u>9</u>	<u>1</u>	<u>10</u>	<u>19</u>	<u>7</u>	<u>26</u>	<u>24</u>	<u>20</u>	<u>44</u>
Totals	<u>340</u>	<u>301</u>	<u>641</u>	<u>2954</u>	<u>1968</u>	<u>4922</u>	<u>2442</u>	<u>1607</u>	<u>4049</u>

ARTS AND SCIENCES

<u>Class</u>	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Second Year	42	55	97	327	216	543	322	242	564
Third Year	107	79	186	357	238	595	409	268	677
Fourth Year	127	71	198	291	148	439	348	175	523
Unclassified	<u>20</u>	<u>13</u>	<u>33</u>	<u>45</u>	<u>45</u>	<u>90</u>	<u>54</u>	<u>42</u>	<u>96</u>
Totals	<u>296</u>	<u>218</u>	<u>514</u>	<u>1020</u>	<u>647</u>	<u>1667</u>	<u>1133</u>	<u>727</u>	<u>1860</u>

COLLEGE ENROLLMENTS
MEN AND WOMEN
1965-66

BUSINESS ADMINISTRATION

<u>Class</u>	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Second Year	20	5	25	89	17	106	92	13	105
Third Year	35	6	41	88	17	105	109	19	128
Fourth Year	29	5	34	84	7	91	101	10	111
Unclassified	<u>7</u>	<u>1</u>	<u>8</u>	<u>9</u>	<u>1</u>	<u>10</u>	<u>12</u>	<u>3</u>	<u>15</u>
Totals	<u>91</u>	<u>17</u>	<u>108</u>	<u>270</u>	<u>42</u>	<u>312</u>	<u>314</u>	<u>45</u>	<u>359</u>

EDUCATION

<u>Class</u>	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Second Year	6	44	50	64	145	209	57	169	226
Third Year	42	105	147	85	189	274	104	235	339
Fourth Year	57	123	180	80	143	223	108	173	281
Unclassified	<u>3</u>	<u>23</u>	<u>26</u>	<u>14</u>	<u>20</u>	<u>34</u>	<u>14</u>	<u>29</u>	<u>43</u>
Totals	<u>108</u>	<u>295</u>	<u>403</u>	<u>243</u>	<u>497</u>	<u>740</u>	<u>283</u>	<u>606</u>	<u>889</u>

COLLEGE ENROLLMENTS
MEN AND WOMEN
1965-66

ENGINEERING

Class	1965 Summer			Semester I			Semester II		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Second Year	35	1	36	180	1	181	193	2	195
Third Year	57	1	58	162	1	163	174	2	176
Fourth Year	89		89	170		170	163		163
Unclassified	<u>3</u>	<u>-</u>	<u>3</u>	<u>19</u>	<u>-</u>	<u>19</u>	<u>13</u>	<u>-</u>	<u>13</u>
Totals	<u>184</u>	<u>2</u>	<u>186</u>	<u>531</u>	<u>2</u>	<u>533</u>	<u>543</u>	<u>4</u>	<u>547</u>

FINE ARTS

Class	1965 Summer			Semester I			Semester II		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Second Year	7	12	19	55	49	104	57	50	107
Third Year	20	21	41	62	33	95	62	45	107
Fourth Year	45	26	71	60	47	107	68	48	116
Fifth Year	6		6	17	2	19	18	2	20
Unclassified	<u>7</u>	<u>5</u>	<u>12</u>	<u>18</u>	<u>7</u>	<u>25</u>	<u>12</u>	<u>7</u>	<u>19</u>
Totals	<u>85</u>	<u>64</u>	<u>149</u>	<u>212</u>	<u>138</u>	<u>350</u>	<u>217</u>	<u>152</u>	<u>369</u>

COLLEGE ENROLLMENTS
MEN AND WOMEN
1965-66

NURSING

<u>Class</u>	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Second Year		7	7		25	25	1	16	17
Third Year	1	10	11		26	26		27	27
Fourth Year		6	6	1	23	24	1	27	28
Unclassified	—	<u>2</u>	<u>2</u>	—	—	—	—	—	—
Totals	<u>1</u>	<u>25</u>	<u>26</u>	<u>1</u>	<u>74</u>	<u>75</u>	<u>2</u>	<u>70</u>	<u>72</u>

PHARMACY

<u>Class</u>	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Second Year	5	6	11	28	30	58	32	43	75
Third Year	9	1	10	32	8	40	33	5	38
Fourth Year	4		4	19		19	20		20
Fifth Year	11		11	20	1	21	23	1	24
Unclassified	<u>1</u>	—	<u>1</u>	<u>4</u>	<u>3</u>	<u>7</u>	<u>3</u>	<u>3</u>	<u>6</u>
Totals	<u>30</u>	<u>7</u>	<u>37</u>	<u>103</u>	<u>42</u>	<u>145</u>	<u>111</u>	<u>52</u>	<u>163</u>

COLLEGE ENROLLMENTS
MEN AND WOMEN
1965-66

GRADUATE SCHOOL

	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Regular Master	140	159	299	284	156	440	277	151	428
Provisional Master	266	262	528	491	235	726	445	212	657
Unclassified	195	253	448	337	140	477	327	140	467
Post Master	177	82	259	269	55	324	262	67	329
Doctoral Intermediate	36	1	37	72	4	76	70	2	72
Doctoral Candidate	2	3	5	5	2	7	24	12	36
Post Doctoral	<u>5</u>	<u>—</u>	<u>5</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>2</u>	<u>3</u>	<u>5</u>
Totals	<u>821</u>	<u>760</u>	<u>1581</u>	<u>1458</u>	<u>592</u>	<u>2050</u>	<u>1407</u>	<u>587</u>	<u>1994</u>

COLLEGE ENROLLMENTS
MEN AND WOMEN
1965-66

LAW SCHOOL

<u>Class</u>	1965 Summer			Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
First Year	5	1	6	75	7	82	67	5	72
Second Year	13	1	14	35	3	38	38	4	42
Third Year	10		10	23		23	21		21
Unclassified	—	—	—	1	—	1	1	—	1
Totals	<u>28</u>	<u>2</u>	<u>30</u>	<u>134</u>	<u>10</u>	<u>144</u>	<u>127</u>	<u>9</u>	<u>136</u>

MEDICAL SCHOOL

<u>Class</u>	Semester I			Semester II		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
First Year	19	5	24	19	5	24
Second Year	<u>19</u>	<u>3</u>	<u>22</u>	<u>19</u>	<u>3</u>	<u>22</u>
Totals	<u>38</u>	<u>8</u>	<u>46</u>	<u>38</u>	<u>8</u>	<u>46</u>

ANALYSIS OF EVENING CREDIT ENROLLMENTS
1965-66

SEMESTER I

<u>College</u>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>	<u>5th Year</u>	<u>Uncl.</u>	<u>Grad.</u>	<u>Law</u>	<u>Non- Degree</u>	<u>Total</u>
University	97	37				1				135
Arts & Sciences		14	18	14		4				50
Business Admin.		11	8	7						26
Education		4	7	7		1				19
Engineering		9	4	1		3				17
Fine Arts		2	1	4	1					8
Nursing			1							1
Pharmacy		1	1							2
Graduate							267			267
Law								3		3
Non-degree	—	—	—	—	—	—	—	—	365	365
Totals	<u>97</u>	<u>78</u>	<u>40</u>	<u>33</u>	<u>1</u>	<u>9</u>	<u>267</u>	<u>3</u>	<u>365</u>	<u>893</u>

SEMESTER II

<u>College</u>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>	<u>5th Year</u>	<u>Uncl.</u>	<u>Grad.</u>	<u>Law</u>	<u>Non- Degree</u>	<u>Total</u>
University	87	36				1				124
Arts & Sciences		22	20	17		8				67
Business Admin.		8	3	6		3				20
Education		5	7	6		1				19
Engineering		13	2	1						16
Fine Arts						2				2
Nursing										
Pharmacy		2								2
Graduate							332			332
Law										
Non-degree	—	—	—	—	—	—	—	—	310	310
Totals	<u>87</u>	<u>86</u>	<u>32</u>	<u>30</u>	<u>—</u>	<u>15</u>	<u>332</u>	<u>—</u>	<u>310</u>	<u>892</u>

Note: Credit courses offered after 5 p. m. are classified for statistical purposes as evening offerings.

HOURS AND EQUIVALENTS FOR EVENING CREDIT ENROLLMENTS

	<u>Total Hours</u>	<u>F. T. E.*</u>
Semester I, 1965-66	4859	304
Semester II, 1965-66	4824	302

*The full-time student equivalent (F. T. E.) is computed by dividing the total number of student credit hours by a theoretical full-time load of 16 semester hours.

ANALYSIS OF ENROLLMENTS
OFF-CAMPUS RESIDENT CREDIT CENTERS
1965-66 Academic Year

LOS ALAMOS

<u>College</u>	<u>Semester I</u>				<u>Uncl.</u>	<u>Grad.</u>	<u>Non-Deg.</u>	<u>Total</u>
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>				
University	7	2						9
Arts & Sciences			4	2	2			8
Education		1						1
Engineering		4		1				5
Graduate						82		82
Non-degree	-	-	-	-	-	-	79	79
Totals	<u>7</u>	<u>7</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>82</u>	<u>79</u>	<u>184</u>

<u>College</u>	<u>Semester II</u>				<u>Uncl.</u>	<u>Grad.</u>	<u>Non-Deg.</u>	<u>Total</u>
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<u>4th Year</u>				
University	1	1			2			4
Arts & Sciences		1	5	4				10
Education		1						1
Engineering		2			1			3
Graduate						56		56
Non-degree	-	-	-	-	-	-	63	63
Totals	<u>1</u>	<u>5</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>56</u>	<u>63</u>	<u>137</u>

ANALYSIS OF ENROLLMENTS - OFF-CAMPUS RESIDENT CREDIT CENTERS (Cont.)

HOLLOMAN

1965 Summer Session

University (1st yr.)	1
Graduate	11
Non-degree	<u>11</u>
Total	<u>23</u>

Semester I

<u>College</u>	<u>Total</u>
University (2nd yr.)	1
Graduate	67
Non-degree	<u>23</u>
Total	<u>91</u>

Semester II

<u>College</u>	<u>Total</u>
Arts & Sciences (Uncl.)	1
Graduate	88
Non-degree	<u>19</u>
Total	<u>108</u>

GALLUP

Semester I

<u>College</u>	<u>Total</u>
University (1st yr.)	1
Arts & Sciences (2nd yr.)	1
Education (2nd yr.)	1
(Unclassified)	1
Non-degree	<u>98</u>
Total	<u>102</u>

Semester II

<u>College</u>	<u>Total</u>
University (1st yr.)	2
Education (3rd yr.)	2
Non-degree	<u>52</u>
Total	<u>56</u>

HOURS AND EQUIVALENTS

	Los Alamos		Holloman		Gallup	
	<u>Total Hours</u>	<u>F. T. E.</u>	<u>Total Hours</u>	<u>F. T. E.</u>	<u>Total Hours</u>	<u>F. T. E.</u>
S. S.	---	--	45	3	---	--
Sem. I	755	47	327	20	379	24
Sem. II	533	33	369	23	231	14

COMPARATIVE ENROLLMENTS
OFF-CAMPUS RESIDENT CREDIT CENTERS
1957-58 through 1965-66

	<u>Fall Semesters</u>								
	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
Los Alamos	324	298	281	313	259	242	264	214	184
Holloman	66	67	93	87	53	108	87	196	91
Gallup	<u>69</u>	<u>51</u>	<u>49</u>	<u>57</u>	<u>53</u>	<u>44</u>	<u>89</u>	<u>75</u>	<u>102</u>
Totals	<u>459</u>	<u>416</u>	<u>423</u>	<u>457</u>	<u>365</u>	<u>394</u>	<u>440</u>	<u>485</u>	<u>377</u>

	<u>Spring Semesters</u>								
	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
Los Alamos	248	246	204	224	178	222	221	166	137
Holloman	191	39	80	54	85	79	84	139	108
Gallup	<u>59</u>	<u>39</u>	<u>30</u>	<u>32</u>	<u>26</u>	<u>67</u>	<u>39</u>	<u>78</u>	<u>56</u>
Totals	<u>498</u>	<u>324</u>	<u>314</u>	<u>310</u>	<u>289</u>	<u>368</u>	<u>344</u>	<u>383</u>	<u>301</u>

GEOGRAPHICAL SOURCES OF ENROLLMENT

1965-66 Academic Year

Students Enrolled from New Mexico

<u>County</u>	<u>1965 Summer</u>	<u>Semester I</u>	<u>Semester II</u>
Bernalillo	3276	7955	7633
Catron	3	4	4
Chaves	19	110	100
Colfax	12	50	49
Curry	6	42	41
DeBaca		7	6
Dona Ana	17	56	55
Eddy	27	119	109
Grant	13	27	25
Guadalupe	10	12	10
Harding	2	2	2
Hidalgo	2	7	6
Lea	20	80	76
Lincoln	6	29	28
Los Alamos	39	346	294
Luna	3	40	35
McKinley	51	196	150
Mora	1	6	3
Otero	43	176	187
Quay	6	26	21
Rio Arriba	30	77	72
Roosevelt	5	8	6
Sandoval	45	75	78
San Juan	36	138	130
San Miguel	7	21	20
Santa Fe	81	246	224
Sierra	6	14	11
Socorro	27	26	24
Taos	19	49	48
Torrance	14	19	21
Union	6	11	8
Valencia	85	159	149
Totals	<u>3917</u>	<u>10133</u>	<u>9625</u>

GEOGRAPHICAL SOURCES OF ENROLLMENT (Continued)

Students Enrolled from Other States

<u>State</u>	<u>1965 Summer</u>	<u>Semester I</u>	<u>Semester II</u>
Alabama	5	6	6
Alaska	1	8	3
Arizona	16	54	41
Arkansas	8	12	10
California	81	312	289
Colorado	38	81	69
Connecticut	2	28	24
Delaware		8	7
District of Columbia	3	9	11
Florida	12	23	18
Georgia	4	12	16
Hawaii	2	18	18
Idaho	3	7	6
Illinois	40	155	135
Indiana	11	32	27
Iowa	12	25	24
Kansas	17	29	25
Kentucky	3	8	9
Louisiana	9	25	23
Maine		5	4
Maryland	11	37	33
Massachusetts	14	54	48
Michigan	13	43	46
Minnesota	8	25	22
Mississippi	5	4	4
Missouri	7	25	24
Montana	3	11	9
Nebraska	8	16	15
Nevada	2	22	21
New Hampshire	1	4	4
New Jersey	19	79	74
New York	39	162	143
North Carolina	5	7	4
North Dakota	1	7	6
Ohio	21	58	52
Oklahoma	18	27	27
Oregon	7	10	9
Pennsylvania	16	71	69
Rhode Island	4	3	3
South Carolina	2	4	3
South Dakota	6	14	13
Tennessee	2	5	6
Texas	66	180	172
Utah	1	3	4
Vermont		3	2
Virginia	4	33	30
Washington	8	26	21
West Virginia	3	2	3
Wisconsin	9	21	20
Wyoming	<u>3</u>	<u>9</u>	<u>8</u>
Totals	<u>573</u>	<u>1822</u>	<u>1660</u>

Students Enrolled from Territories and Other Countries

<u>Country or Territory</u>	<u>1965 Summer</u>	<u>Semester I</u>	<u>Semester II</u>
Afghanistan	2	2	1
American Samoa	1	1	
Argentina	2	4	2
Australia		1	2
Bolivia	1	2	2
Brazil	1	2	2
British Guiana	1	1	1
Burma		2	1
Cambodia	1	1	
Canada	2	9	9
Canal Zone	2	4	4
Caroline Islands	1	1	1
Chile		3	3
China, Republic of	5	13	14
Colombia	3	6	6
Costa Rica	4	3	2
Cuba		4	5
Dominican Republic	2		
Ecuador		6	6
El Salvador	3	5	5
England	1	2	1
France	1		
Germany, West		2	
Greece	1	2	2
Guam	1	2	3
Guatemala	2	1	1
Haiti	1	1	1
Hong Kong	1	3	3
India	16	30	33
Iran	3	6	6
Iraq	1	1	
Israel		2	2
Italy		1	2
Ivory Coast			1
Jamaica			1
Japan			1
Kenya		1	1
Korea	3	7	5
Lebanon	2	3	1
Liberia		1	1
Mali		1	1
Mariana Islands	1	1	1
Mexico	3	7	6
Morocco		1	1
Netherlands	1	4	4
New Zealand		1	
Nicaragua	4	3	3
Nigeria	2	2	2
Pakistan		2	3
Panama	1	2	1
Paraguay	33	33	2
Peru		3	3

Students Enrolled from Territories and Other Countries (Continued)

<u>Country or Territory</u>	<u>1965 Summer</u>	<u>Semester I</u>	<u>Semester II</u>
Philippines			1
Portugal		1	1
Puerto Rico		4	3
Saudi Arabia	3	7	7
Sierra Leone		1	1
Somalia	1		2
South Africa	1	1	1
Spain	1	2	3
Surinam		1	
Sweden	1	2	1
Syria		1	
Thailand	3	5	2
Turkey	1	1	1
Uganda		1	1
United Arab Republic	1	1	1
Uruguay		1	
Venezuela	5	6	7
Zambia		1	1
Totals	<u>126</u>	<u>231</u>	<u>191</u>

SUMMARY OF GEOGRAPHICAL SOURCES OF ENROLLMENT

	<u>1965 Summer</u>	<u>Semester I</u>	<u>Semester II</u>
New Mexico Residents*	3917 (85%)	10133 (83%)	9625 (84%)
Non-Residents*			
Other States	573	1822	1660
Foreign	<u>126</u>	<u>231</u>	<u>191</u>
	699 (15%)	2053 (17%)	1851 (16%)
Total Enrollments	<u>4616</u>	<u>12186</u>	<u>11476</u>

*Based upon state of origin.

COMPARATIVE ENROLLMENTS - RESIDENT AND NON-RESIDENT
(Based upon Residence for Tuition Purposes)

1956-57 through 1965-66

SUMMER SESSIONS

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
New Mexico	1307	1672	2003	1825	2064	2540	2525	2816	2992	3633
Percent of Total	(82%)	(85%)	(86%)	(81%)	(81%)	(83%)	(79%)	(80%)	(80%)	(79%)
Out-of-State	291	290	331	438	496	509	666	694	751	983
Percent of Total	(18%)	(15%)	(14%)	(19%)	(19%)	(17%)	(21%)	(20%)	(20%)	(21%)
Total Enrollments	<u>1598</u>	<u>1962</u>	<u>2334</u>	<u>2263</u>	<u>2560</u>	<u>3049</u>	<u>3191</u>	<u>3510</u>	<u>3743</u>	<u>4616</u>

FALL SEMESTERS

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
New Mexico	5139	5733	6018	6226	6449	6768	7126	7782	8775	9988
Percent of Total	(88%)	(86%)	(87%)	(85%)	(85%)	(84%)	(82%)	(82%)	(82%)	(82%)
Out-of-State	715	915	896	1058	1146	1318	1516	1712	1948	2198
Percent of Total	(12%)	(14%)	(13%)	(15%)	(15%)	(16%)	(18%)	(18%)	(18%)	(18%)
Total Enrollments	<u>5854</u>	<u>6648</u>	<u>6914</u>	<u>7284</u>	<u>7595</u>	<u>8086</u>	<u>8642</u>	<u>9494</u>	<u>10723</u>	<u>12186</u>

SPRING SEMESTERS

	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
New Mexico	4846	5294	5333	5549	5806	6130	6638	7164	8294	9504
Percent of Total	(88%)	(86%)	(87%)	(86%)	(85%)	(84%)	(83%)	(82%)	(82%)	(83%)
Out-of-State	642	852	799	919	999	1200	1402	1594	1875	1972
Percent of Total	(12%)	(14%)	(13%)	(14%)	(15%)	(16%)	(17%)	(18%)	(18%)	(17%)
Total Enrollments	<u>5488</u>	<u>6146</u>	<u>6132</u>	<u>6468</u>	<u>6805</u>	<u>7330</u>	<u>8040</u>	<u>8758</u>	<u>10169</u>	<u>11476</u>

COMPARATIVE ENROLLMENTS - MEN AND WOMEN

1956-57 through 1965-66

SUMMER SESSIONS

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
Men	962	1160	1279	1252	1391	1432	1616	1708	1956	2317
Percent of Total	(60%)	(59%)	(55%)	(55%)	(54%)	(47%)	(51%)	(49%)	(52%)	(50.2%)
Women	636	802	1055	1011	1169	1617	1575	1802	1787	2299
Percent of Total	(40%)	(41%)	(45%)	(45%)	(46%)	(53%)	(49%)	(51%)	(48%)	(49.8%)
Total Enrollments	<u>1598</u>	<u>1962</u>	<u>2334</u>	<u>2263</u>	<u>2560</u>	<u>3049</u>	<u>3191</u>	<u>3510</u>	<u>3743</u>	<u>4616</u>

FALL SEMESTERS

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
Men	4291	4878	4998	5232	5264	5406	5721	6214	6894	7629
Percent of Total	(73%)	(73%)	(72%)	(72%)	(69%)	(67%)	(66%)	(65%)	(64%)	(63%)
Women	1563	1770	1916	2052	2331	2680	2921	3280	3829	4557
Percent of Total	(27%)	(27%)	(28%)	(28%)	(31%)	(33%)	(34%)	(35%)	(36%)	(37%)
Total Enrollments	<u>5854</u>	<u>6648</u>	<u>6914</u>	<u>7284</u>	<u>7595</u>	<u>8086</u>	<u>8642</u>	<u>9494</u>	<u>10723</u>	<u>12186</u>

SPRING SEMESTERS

	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
Men	4059	4512	4384	4559	4662	4839	5303	5701	6474	7133
Percent of Total	(74%)	(73%)	(71%)	(70%)	(69%)	(66%)	(66%)	(65%)	(64%)	(62%)
Women	1429	1634	1748	1909	2143	2491	2737	3057	3695	4343
Percent of Total	(26%)	(27%)	(29%)	(30%)	(31%)	(34%)	(34%)	(35%)	(36%)	(38%)
Total Enrollments	<u>5488</u>	<u>6146</u>	<u>6132</u>	<u>6468</u>	<u>6805</u>	<u>7330</u>	<u>8040</u>	<u>8758</u>	<u>10169</u>	<u>11476</u>

WITHDRAWALS RELATED TO TOTAL ENROLLMENTS

1964-65 and 1965-66

SEMESTER I

	1964-65		1965-66	
	<u>With- drawals</u>	<u>% of Enroll.</u>	<u>With- drawals</u>	<u>% of Enroll.</u>
First Week	46*	0.43%	84*	0.69%
Second Week	<u>79</u>	<u>0.74%</u>	<u>67</u>	<u>0.55%</u>
Total First Two Weeks	125*	1.17%	151*	1.24%
3 - 4 Weeks	82	0.76%	139	1.14%
5 - 8 Weeks	103	0.96%	116	0.95%
9 - 16 Weeks	<u>144</u>	<u>1.34%</u>	<u>174</u>	<u>1.43%</u>
Totals	<u>454</u>	<u>4.23%</u>	<u>580</u>	<u>4.76%</u>

SEMESTER II

	1964-65		1965-66	
	<u>With- drawals</u>	<u>% of Enroll.</u>	<u>With- drawals</u>	<u>% of Enroll.</u>
First Week	40*	0.39%	107*	0.93%
Second Week	<u>70</u>	<u>0.69%</u>	<u>61</u>	<u>0.53%</u>
Total First Two Weeks	110*	1.08%	168*	1.46%
3 - 4 Weeks	197	1.93%	99	0.86%
5 - 8 Weeks	79	0.78%	77	0.67%
9 - 16 Weeks	<u>13</u>	<u>0.13%</u>	<u>138</u>	<u>1.20%</u>
Totals	<u>399</u>	<u>3.92%</u>	<u>482</u>	<u>4.20%</u>

*Students who withdrew with full refund during the first week of a semester were not counted in enrollment or withdrawal figures.

GRADE POINT AVERAGE SUMMARIES

FALL SEMESTER

1965-66

SUMMARY OF GRADE-POINT AVERAGES

883

1965-66 Fall Semester

*All University Average	2.3775
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*All University Men	2.2914
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*All University Women	2.5093
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*Averages exclude Graduate School, School of Law, School of Medicine and Non-degree.

SCHOLARSHIP STANDING BY CLASSES

(Excluding Graduate School, School of Law and School of Medicine)

Freshman Class Average	2.1319
Men	2.0490
Women	2.2540

Sophomore Class Average	2.4576
Men	2.3796
Women	2.5790

Junior Class Average	2.6200
Men	2.5116
Women	2.7864

Senior Class Average	2.7554
Men	2.6682
Women	2.9266

*Fifth Year Class Average	2.7054
Men	2.7136
Women	2.5600

Unclassified Students Average	2.4196
Men	2.9149
Women	2.0615

Non-degree Students Average	2.3974
Men	2.1001
Women	2.6862

*The Fifth Year classification for undergraduate study applies to the five-year degree programs in Architecture and in Pharmacy.

Note: The University computes grade averages on the four-point system:

A - 4 points
 B - 3 points
 C - 2 points
 D - 1 point
 F - 0 points

SCHOLARSHIP STANDING BY COLLEGES
1965-66 Fall Semester

884

University College		2.1695
Men	2.0850	
Women	2.2950	
Arts and Sciences		2.6265
Men	2.5319	
Women	2.7773	
Business Administration		2.4078
Men	2.3926	
Women	2.5058	
Education		2.7744
Men	2.6086	
Women	2.8577	
Engineering		2.6521
Men	2.6516	
Women	2.7436	
Fine Arts		2.6575
Men	2.5644	
Women	2.7997	
Graduate School		3.3384
Men	3.3227	
Women	3.3822	
Law School		2.3069
Men	2.3022	
Women	2.3976	
Nursing		2.5159
Men	2.0000	
Women	2.5240	
Pharmacy		2.4498
Men	2.4789	
Women	2.3771	

SCHOLARSHIP STANDING*
NON-FRATERNITY and FRATERNITY GROUPS

Unaffiliated Men		2.2894
Fraternity Men		2.3047
Fraternity Actives	2.3540	
Fraternity Pledges	2.2239	
Unaffiliated Women		2.4810
Sorority Women		2.6408
Sorority Actives	2.6992	
Sorority Pledges	2.5771	

*Excluding Graduate School, School of Law, School of Medicine and Non-degree.

DEGREES CONFERRED

ACADEMIC YEAR

1965-66

AND

SUMMARIES

DEGREES, DIPLOMAS, AND CERTIFICATES CONFERRED

<u>Year</u>	<u>Earned Degrees</u>				<u>Total Earned Degrees</u>	<u>Honorary Degrees</u>	<u>Two-Year Certificates and Diplomas</u>
	<u>Bachelor's</u>	<u>Master's</u>	<u>Law</u>	<u>Doctor's</u>			
1901-56	8674	1645	147	69	10535	66	548
1957	489	114	19	16	638	2	68
1958	524	144	9	16	693	4	1
1959	588	157	27	13	785	1	2
1960	592	182	12	9	795	3	2
1961	602	196	8	23	829	3	5
1962	622	278	11	28	939	3	6
1963	691	279	10	27	1007	5	23
1964	787	313	11	21	1132	4	21
1965	955	348	17	48	1368	2	15
1966	<u>977</u>	<u>375</u>	<u>23</u>	<u>48</u>	<u>1423</u>	<u>3</u>	<u>—</u>
Totals	<u>15501</u>	<u>4031</u>	<u>294</u>	<u>318</u>	<u>20144</u>	<u>96</u>	<u>691</u>

DEGREES CONFERRED BY COLLEGES

College of Arts and Sciences

<u>Year</u>	<u>B. A.</u>	<u>B. S.</u>	<u>B. B. A.</u>	<u>B. S. in Medical Technology</u>	<u>Total</u>
1901-56	2508	841	71		3420
1957	94	52			146
1958	109	74			183
1959	125	66			191
1960	116	73		1	190
1961	142	71		1	214
1962	147	73		3	223
1963	162	67		1	230
1964	205	93		3	301
1965	257	93		1	351
1966	<u>285</u>	<u>108</u>	<u>—</u>	<u>2</u>	<u>395</u>
Totals	<u>4150</u>	<u>1611</u>	<u>71</u>	<u>12</u>	<u>5844</u>

Degrees Conferred by Colleges (Continued)

College of Education

<u>Year</u>	B. A. in <u>Educ.</u>	B. S. in <u>Educ.</u>	B. S. in <u>H. & P. E.</u>	B. S. in <u>I. A. Educ.</u>	B. S. in <u>H. Ec. Ed.</u>	B. A. in <u>Recrea.</u>	Bach. of <u>Mus. Ed.</u>	<u>Total</u>
1929-56	1250	839	264	57				2410
1957	43	60	19	8				130
1958	46	71	18	5				140
1959	49	85	24	10				168
1960	51	72	17	9				149
1961	43	68	16	11				138
1962	55	80	26	5		1		167
1963	70	94	28	12		2		206
1964	74	91	34	8		6		213
1965	79	119	38	10		6		252
1966	<u>78</u>	<u>101</u>	<u>30</u>	<u>6</u>	<u>19</u>	<u>15</u>	<u>3</u>	<u>252</u>
Totals	<u>1838</u>	<u>1680</u>	<u>514</u>	<u>141</u>	<u>19</u>	<u>30</u>	<u>3</u>	<u>4225</u>

College of Engineering

<u>Year</u>	B. S. in <u>Arch. E.</u>	B. S. in <u>Ch. E.</u>	B. S. in <u>C. E.</u>	B. S. in <u>E. E.</u>	B. S. in <u>I. A.</u>	B. S. in <u>M. E.</u>	Misc.	Bach. of <u>Arch.</u>	<u>Total</u>
1910-56	57	98	526	408	50	398	15		1552
1957	7	14	26	33		29			109
1958	6	14	21	36		28			105
1959	4	9	26	46		38		3	126
1960	3	10	37	56		22		2	130
1961		14	35	34		31			114
1962		6	21	43		31			101
1963		8	27	41		20			96
1964		9	20	38		35			102
1965		19	27	73		28			147
1966	<u>—</u>	<u>23</u>	<u>17</u>	<u>53</u>	<u>—</u>	<u>31</u>	<u>—</u>	<u>—</u>	<u>124</u>
Totals	<u>77</u>	<u>224</u>	<u>783</u>	<u>861</u>	<u>50</u>	<u>691</u>	<u>15</u>	<u>5</u>	<u>2706</u>

Degrees Conferred by Colleges (Continued)

College of Fine Arts

<u>Year</u>	<u>B. F. A. in Art</u>	<u>B. F. A. Dr. Art</u>	<u>Bach. of Mus. Ed.</u>	<u>B. F. A. Music</u>	<u>Bach. of Mus.</u>	<u>B. F. A.</u>	<u>B. A. in F. A.</u>	<u>Bach. of Arch.</u>	<u>Total</u>
1937-56	227	68		86		3	1		385
1957	14	2		5					21
1958	16	4		7			1		28
1959	13	4		8					25
1960	11	8		7			1	1	28
1961	16	6		18				5	45
1962	19	6		6			1	7	39
1963	24	9		12			5	3	53
1964	30	7		7			10	9	63
1965	34	11		16			12	14	87
1966	<u>39</u>	<u>6</u>	<u>9</u>	<u>—</u>	<u>6</u>	<u>—</u>	<u>12</u>	<u>12</u>	<u>84</u>
Totals	<u>443</u>	<u>131</u>	<u>9</u>	<u>172</u>	<u>6</u>	<u>3</u>	<u>43</u>	<u>51</u>	<u>858</u>

College of Business Administration

<u>Year</u>	<u>B. B. A.</u>
1948-56	736
1957	64
1958	57
1959	55
1960	61
1961	62
1962	50
1963	55
1964	67
1965	87
1966	<u>73</u>
Total	1367

College of Pharmacy

<u>Year</u>	<u>B. S. in Pharm.</u>
1949-56	171
1957	19
1958	11
1959	11
1960	17
1961	18
1962	21
1963	22
1964	19
1965	8
1966	<u>24</u>
Total	<u>341</u>

School of Law

<u>Year</u>	<u>LL. B.</u>
1950-56	147
1957	19
1958	9
1959	27
1960	12
1961	8
1962	11
1963	10
1964	11
1965	17
1966	<u>23</u>
Total	<u>294</u>

College of Nursing

<u>Year</u>	<u>B. S. in Nurs.</u>
1959	12
1960	17
1961	11
1962	21
1963	29
1964	22
1965	23
1966	<u>25</u>
Total	<u>160</u>

Degrees Conferred by Colleges (Continued)

Graduate School

Masters Degrees

<u>Year</u>	<u>M. A.</u>	<u>M. S.</u>	<u>M. B. A.</u>	<u>M. Mus.</u>	<u>M. Mus. Ap. Mus.</u>	<u>M. Mus. Educ.</u>	<u>M. Mus. Comp.</u>	<u>M. of Musicology</u>	<u>M. Ed. in Sci.</u>	<u>M. A. in Tchg. Span.</u>	<u>M. A. in Ind. Adm.</u>	<u>M. of Fine Arts</u>	<u>Degrees</u>
1917-56	1329	293	8	14		1							1645
1957	83	29	2										114
1958	84	53	4			3							144
1959	91	58	4			4							157
1960	94	58	1			6	1		14	8			182
1961	86	90	3	2		3			6	6			196
1962	101	146	5		2	5	1		8	10			278
1963	92	122	4	3		5			31	21	1		279
1964	121	138	9	1		9			24	9	2		313
1965	148	127	9	5		4			39	14	2		348
1966	<u>175</u>	<u>131</u>	<u>8</u>	<u>6</u>	<u>-</u>	<u>7</u>	<u>-</u>	<u>1</u>	<u>30</u>	<u>16</u>	<u>-</u>	<u>1</u>	<u>375</u>
Totals	<u>2404</u>	<u>1245</u>	<u>57</u>	<u>31</u>	<u>2</u>	<u>47</u>	<u>2</u>	<u>1</u>	<u>152</u>	<u>84</u>	<u>5</u>	<u>1</u>	<u>4031</u>

(Graduate Degrees continued on next page)

Graduate SchoolDoctors Degrees

<u>Year</u>	<u>Ph. D.</u>	<u>Ed. D.</u>	<u>Sc. D.</u>	<u>Total Doctors Degrees</u>
1917-56	69			69
1957	16			16
1958	16			16
1959	13			13
1960	7	2		9
1961	20	1	2	23
1962	21	3	4	28
1963	20	2	5	27
1964	15	2	4	21
1965	33	8	7	48
1966	<u>41</u>	<u>7</u>	<u>—</u>	<u>48</u>
Totals	<u>271</u>	<u>25</u>	<u>22</u>	<u>318</u>

Summary of Graduate Degrees by Years

<u>Year</u>	<u>Masters</u>	<u>Doctors</u>	<u>Total Earned Degrees</u>	<u>Honorary Degrees</u>
1917-56	1645	69	1714	66
1957	114	16	130	2
1958	144	16	160	4
1959	157	13	170	1
1960	182	9	191	3
1961	196	23	219	3
1962	278	28	306	3
1963	279	27	306	5
1964	313	21	334	4
1965	348	48	396	2
1966	<u>375</u>	<u>48</u>	<u>423</u>	<u>3</u>
Totals	<u>4031</u>	<u>318</u>	<u>4349</u>	<u>96</u>

NEW MEXICO UNION

1965-1966

The growing demand on the facilities and services of the Union, and for the space necessary to provide these facilities and services prompted some modifications and changes in the Union during 1965-1966.

Food Service

Week-day hours of operation in Food Service areas were extended; the Snack Bar beginning operation at 7:00 a.m., one-half hour earlier than the past, the Lobo Room opening at 8:30 a.m. for coffee and donuts rather than opening only over the noon period for lunch, and the total operational hours for supplementary beverage bars increasing from sixty-five last year to eighty this year. The Faculty Lounge area was used almost entirely as a supplementary Food Service area, being needed during the regular day-time hours for additional seating, and utilized in the evening as a special service area for the Peace Corps. Anticipating the need in the fall to serve two hundred contract students the dormitory food services could not handle, two additional special programs were established at the beginning of the school year, - one being a meal

ticket program for contract students and the other being a fast service, one-entree cafeteria line, established as a supplement to the normal cafeteria line. Following registration, however, it was determined the number of contract students needing the special Food Service area was negligible and that program was dropped. It was further determined the additional number of persons who wished to use the one-entree cafeteria over the noon period could be handled by the existing cafeteria with some modification of service in that area, this modification consisting mainly of adding snack-type items to the regular cafeteria menu offerings. This adjustment having taken place, the special, one-entree service line was also dropped.

Bookstore

The demands on the Bookstore's space not only called for adding two more cash register stations during registration, and a change in floor arrangement to provide a better flow of traffic and supervision in book areas, but also resulted in the Mesa Lounge being turned over to the Bookstore for use as a storeroom area. While use of the Mesa Lounge was described as a "temporary" arrangement, it is anticipated the Lounge will continue to be needed until the building is expanded.

Largely because of the change in store arrangement, the peak day of operation in the fall resulted in the Bookstore's handling 37% more customers than the peak day the previous fall and 28% more during the second semester's peak registration day. At the beginning of the year, Mr. Paul Mares was appointed to the position of assistant to the manager of the Bookstore to help handle the increasing managerial load. While this aided materially in enabling the Bookstore to prepare for the tremendous increase in volume, at mid-year Mr. Mares assumed the position of manager of the University Bookstore at San Diego State, and, at this time, the assistant-manager position still remains unfilled, - obviously, again increasing the managerial load on the Bookstore manager himself. Over-all labor costs in the Bookstore operation, at 7.2%, is probably 2-3% too low. While such a low cost figure does result in an increase in net revenue, we cannot expect a similar gross sales increase of 23% to be handled by the same number of staff members, and still continue the type of service the Bookstore has tried to provide in the past.

Information Desk

The Information Desk Counter was completely rebuilt in the fall to better enable the desk attendants to handle the

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31
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895

anticipated customer increase. This modification, costing approximately \$1,800, was instrumental in enabling that area to handle an average of 20% more persons per day than the average customer count last year, (1,268 compared to 1,058).

Games Area

A billiard table was added to the equipment of the Games Area, giving a total of thirteen billiard tables, seven table tennis tables, and fourteen bowling lanes. Desk attendant coverage was increased to help serve the drop-in customers using the area, as well as to help handle Physical Education bowling class sessions. An average of 3,000 persons a day used the area during the school term, including those using it during the thirteen classes held during the year, averaging ninety-plus students per class session. Opening time of the Games Area was advanced to 8:00 a.m. in order to handle an early morning class, and this hour was continued throughout the regular year, the Area being open a total of one hundred and three hours per week. For the 1966 summer session, the Crafts Area also opened a total of twenty-three hours a week for special programs. It is hoped that this Crafts program can continue

during the fall term. Further information on the results of the University of New Mexico's participation in games and recreation tournaments is given later in the report.

Ticket Booth

A full-time attendant was placed in the ticket booth-lost and found booth to enable that area to operate a total of forty hours a week. An increase in the number and type of tickets being handled suggested the move. More detailed records of all tickets are now being kept, and the responsibility for funds is more clearly established. The lost and found operation is also now being handled in a more responsible manner.

Check Room

Representatives of Alpha Phi Omega were asked to man the first floor check room and operate the room for voluntary coat checking 9:00 a.m. to 5:00 p.m. weekdays during the school year, and, by special arrangement, on special occasions. The Union paid Alpha Phi Omega \$750 in return for this service for the school year.

Building Maintenance

At mid-year the increase in building traffic necessitated

the addition of three full-time persons to the custodial staff for a period of approximately seven months. These added employees represented additional personnel above and beyond the regular budget positions, but fortunately, the increased traffic also resulted in revenues great enough that the costs of the increased custodial staff was off-set.

Business Office

With the additional duty of handling the financial records of Concessions, including the checking and counting of cash for that operation, the Union Business Office increased their staff by one additional person early in the year. This person also handled personal check cashing and most of the student activity account records. At the end of the year, however, this position was dropped when the check-cashing function was assumed by the American Bank of Commerce, and the other duties were reassigned into the schedules of existing personnel.

Scheduling

Arrangements for approximately 321,000 persons at 4,038 scheduled events were handled through the Scheduling Office in 1965-1966. Actual income to facilities, however, decreased

because of the increased number of campus groups utilizing the meeting facilities, resulting in a related decrease in the number of outside, revenue-producing, groups. (The most obvious example: the loss of Sandia's Junior Management Training Programs from the building because they could no longer be accommodated resulted in a revenue loss of approximately \$10,000.) Seventy-two conferences were scheduled in the building during the year, averaging just under three days per conference. The total of 32,430 conferenceman-days represented a 33% increase in man-days over last year. Student groups were represented in 54% of the total space bookings, 24% were departmental groups, 17% were university-related groups and 5% of the use of space in the building was for meetings of groups not related to the University. The allocation of Room #248 to the Alumni Association and the loss of the Mesa Lounge to the Bookstore reduced the total space available for scheduling, but that reduction was off-set somewhat by increased activity in the other areas because of closer scheduling. It is not uncommon to have all meeting space in the building taken, particularly on Tuesday, Wednesday and Thursday evenings. By mid-year, Ballroom space on Friday and Saturday evenings is usually completely booked.

were designed and added to the football Concessions stands, and two heat-sealing cappers for beverages were purchased. At the request of the Health Department, hot water heaters were installed in each of the four stands at the football stadium. While there is no accurate way to determine the customer count for Concessions, the result of adding these items and other modifications, such as traffic signs and so forth, enabled Concessions to contribute \$13,000 to the general University budget in 1965-1966.

Representatives of the Union, including Concessions Supervisor Jack Hankins, were asked to participate in planning the Concessions facilities for the new basketball arena. It is hoped the final building will include six stands, with a total of almost two hundred feet of counter space, and facilities for two mass-fill beverage stations.

With the increased use of the Union other problems became more evident. Regular traffic through the Activities Center provided problems for the professional staff in trying to operate from an open office area, at times making it practically impossible to concentrate on the work at hand.

Our two-vehicle service and receiving dock became all the more inadequate to handle the needs of an operation whose

annual gross is approaching two million dollars.

Food Service found it necessary to restrict the type of service available to groups meeting through the noon period weekdays, as well as to restrict the size of groups that could be accommodated at all for special arrangements. In addition, a forty-eight hour guarantee is now required on all special events, an increase over the previous twenty-four hour limit.

There is growing evidence of the need to replace some pieces of equipment involving possible major expenditures. Floor machines, card tables, folding chairs, screens, and lighting equipment are showing the effects of seven years of heavy use. Building floors, particularly in such areas as the Main Lobby, Food Service, and the Games Area, have deteriorated from general wear and tear and consideration needs to be given to their replacement in the relatively near future. The Esther Thompson Lounge furniture soon must be reupholstered.

Progress on building expansion during the year was negligible. The Union Board gave formal approval to moving ahead with the project, and the President gave his sanction to proceeding, but this represented the only real steps taken.

While it is hoped building expansion will ultimately solve a large majority of the problems which are now occurring related to volume and increased traffic, and some area modifications did take place during this year, certain other modifications need to be considered in the interim period prior to the contemplated expansion. Such items as development of the West Terrace as an additional food area, a realignment of the present Snack Bar operation, a review of the Activities

Center-workroom arrangement, possibly to include also a re-evaluation of the entire business office arrangement with the Activities Center-workroom layout to determine whether Scheduling can be included in the redesigned area, and possibly considering changing Room #5 to a service area for Food Service, rather than just a storeroom for food service equipment. Room #5 should also be studied to see if it is feasible to consider it as a possible complete-line vending area.

While some of these projects represent interim arrangements, still the cost for such modification to better handle contemplated traffic is minimal, the estimation for completing the changes of all the areas mentioned being \$25,000-\$30,000. This includes \$7,000 to modify the West Terrace and \$10,000 for the Snack Bar, the major individual items.

It is hoped that the addition of an Assistant-Associate Director will release the Director for more time to spend on planning and developing the program for the over-all building expansion, as well as provide a person to give time to studying the feasibility and helping develop such programs as listed above.

At the beginning of the year the basic work week for the New Mexico Union employees was established as forty hours, over-time pay being paid for the forty-first hour every week. Building maintenance and Food Service were particularly effected by the change since most of their regular employees were working a forty-eight hour week to help cover the seven-day week operation of the New Mexico Union. As a result of the change, expenses for labor in these areas increased materially with the same hours of coverage. In addition, in Food Service, Special Services (catering) pricing had to be revised to help cover over-time labor, the labor used to help prepare for evening and weekend special services, since qualified personnel willing to work only part-time were not available, as it had been hoped.

Eight work-study students were used during the year in part-time student positions, inaugurating the work-study program in the New Mexico Union. It is anticipated that as many as fifty persons may be utilized next year in the work-study program. At the present time, ninety-two positions have been classified as positions which could be filled by work-study students. However, final approval of the number of students has not been given.

On June 1, 1966 the first employee service awards presentation was made at a banquet for all regular employees held in the Desert Room. On hand for the presentation were President Tom Popejoy, Administrative Vice President Sherman Smith, Acting Academic Vice President Morris Hendrickson, Dean of Students Harold Lavender, and Comptroller John Perovich. Following the dinner the below-listed awards were made:

Fifteen Year Awards

Louise Lovin
Lera Roberts
Betty Scales

Ten Year Awards

Mariana Saiz

Five Year Awards

William Bierbaum
Richard Carnes
John Chavez
Millie Cudmore
Catherine Dart
Harriett Garver
Norman Higgins
Elizabeth Fowner Howard
A. O. "Si" Jackson
Harry Kenoly
Isabel Macias
James MacIvor
Elizabeth Myers
Carmen Padilla
Sophie Perea
Grace Pulliam
Andre Rouelle
Bernice Runge
Jo Ann Schmidt
Ida Siefert
Rachel Weigel

Recognition was also given to the four employees who passed away during their employment in the New Mexico Union; Mr. Benny Abeyta, Mr. Alfred Springer, Mr. Joe Roesch, and Mr. Henry Fowner. A suitable plaque will be placed in the employees' lounge in memory of these individuals at a future date.

There were a total of one hundred and forty-one regular employees in the New Mexico Union during 1965-1966, and one hundred and three students were hired on a part-time basis, including the eight work-study students. Over half a million dollars in salaries and wages was paid out during the year to the employees.

Program activities for the school year began in September with Activities Night, (seventy groups participating, an increase of five over last year), and wound up with the PHT award ceremony on June 5th, with 160 participating. Of special interest during the year was the continuation of the Film Classics program begun last spring, an IBM partner-matching dance utilizing students in the recreation curriculum, and working with the Athletic Department and the President's Office to carry out a series of televised basketball games in the Ballroom. A leadership training program was held

in conjunction with Sandia Corporation, and featured Dr. Howard Higman of the University of Colorado as guest speaker. Thirty-nine treasurers attended the Treasurers' Seminar compared with six last year, but this still represents a very small percentage of the one hundred and eighty-eight student activity accounts kept by the Business Office for Associated Students. One hundred and fifty-four students participated as members of Program Directorate committees, an increase of ten over last year. A recognition dinner was held in the spring to honor the incoming and outgoing Program Directorate Chairmen. Over-all Chairman of the Program Directorate for the coming year will be Mary Louise Kinne, with Paulette Key and Bill Ross acting as Vice Chairmen. The Outstanding Freshman awards went to Pam Conway of the Host and Hospitality Committee and Sandy Eeds of the Dance Committee.

All desks, lockers, mail boxes and storage spaces were assigned to groups this year, with a waiting list for lockers and desks. With the assignment of some of the desks to Senators this next year on a trial basis, it is possible that we may have the need to add more desks to the area.

908

Participation of New Mexico Union teams in the
Association of College Unions Recreational Tournaments
and other tournaments resulted in the following places
and awards to team members:

ACU Regional (13) Tournament - Logan, Utah

Chess

First	Troy Armstrong
Third	Tom Heldt
Fourth	Dan Susco
Fifth	Ben Munson

Pocket Billiards - Men

First	Tom Livermore (Selected for National Tournament)
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3 Cushion Billiards - Men

Second	Wally Dagucon
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Pocket Billiards - Women

First	Dee Ann Worthington (Selected for Na- tional Tournament)
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Table Tennis - Doubles (Men)

Second	Richard Gardner & Troy Armstrong
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Bowling - Singles (Women)

Second	Diane Berthelsen
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ACU National Tournament - Miami, Florida

Pocket Billiards - Women

Second	Dee Ann Worthington
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Pocket Billiards - Men

Fourth	Tom Livermore
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909

U.S. National Intercollegiate Postal American Ten Pin
Tournament

First place team	-	University of New Mexico
High Series	-	University of New Mexico
High Individual Game	-	Prudy McLanahan, UNM
High Individual Series	-	Prudy McLanahan, UNM

A noteworthy development taking place in this entire area is the close working relationship that is developing between the Games Area, Program Director of Games Committee, Intramurals and Extramurals on campus along with the Recreation Department and the Physical Education Departments for Men and Women. Specifically, these areas cooperated in the Fall Fling, the IBM dance and Men's and Women's programs in bowling, billiards and table tennis. Mr. Bub Henry, Games Manager, is a member of the Women's Recreation Council, a coordinating group for women's intramural and extramural activities.

Reorganization of student government in the spring of 1965-1966 resulted in a change in composition in the Union Board and a change in the Union Board's responsibility to the Program Directorate. The thirteen member Union Board composed of:

Student Chairman
Chairman, Program Directorate
Vice Chairman, Program Directorate
President, Associated Students
Vice President, Associated Students
President, Associated Women Students
Student-at-large

Dean of Students
Dean of Men or Women
Faculty member-at-large
Faculty member-at-large
Alumni representative
Union Director

was changed to an eleven member Board with the following composition:

Student Chairman
Chairman, Program Directorate
President, Associated Students
Student Senator
Student-at-large

Dean of Students
Dean of Men or Women
Faculty member-at-large
Faculty member-at-large
Union Program/Activities
Advisor
& Union Director

In addition, the Union Board was given the responsibility for over-seeing the program of the Program Directorate and the appointment of the Chairman to the Program Directorate. No doubt, this change will result in greater Board concern with Directorate programs and activities and the use of funds for these activities and programs, much as the Union Board did prior to 1958. It may also be logical for program budget requests to Student Government now to emanate from the Union Board.

Probably the greatest problem related to program at this time is the lack of regard by student government for the function/role of the Program Advisor in the Activities Center. The position seems to be under annual investigation, if not attack, and while it would be easy to charge this to the

general problem of "poor communication", I feel some of the problems could be traced to the followings:

1. the regard by student government of the position as being a servant to student government rather than regarding the position as one of service to the all-campus activity program, including the activities of student government,
2. a lack of understanding by student government that it is possible the Program Advisor and student government could be working to achieve the same end result in the student activities programs on campus and do so without being competitive,
3. the lack of need to include the Program Advisor in any type of activity student government wishes to carry out with the exception of advising Homecoming and Fiesta,
4. student government recognizing that actually relatively unimportant decision-making functions have been relegated to the program advisor in the over-all student activities program at the University of New Mexico,
5. students with no real understanding of the time necessary to carry out strong, worthwhile programs criticize "time spent on some programs",

6. a general wariness of anyone who might counsel and advise objectively, particularly one who points up faults as well as fine points,
7. a voiced lack of regard for a person who is not operating from the prestigious position of an office, a feeling that an office is a status symbol,
8. the tendency of the Program Advisor, and others of us, to feel that student government, operating without continuity and close continuous advisory direction, is relatively ineffective in providing meaningful experience to but a handful of students on the campus, -- and letting student government know how we honestly feel.

A physical change of location of the Program Advisor is probably needed, but not because of need for a status symbol as much as the need to place that person in a position where he is not interrupted quite so much by general building traffic. Other factors, however, might involve changing the recognized role of the Program Advisor and assigning duties related to a meaningful function in the total campus program. This, in turn, would probably give rise to a change in understanding of his function. These latter items may not be as easy to accomplish as a physical change in location. Still, under the

present Associated Student Government organization both student government and the Program Advisor are actually working toward common goals in the total campus program and can be of mutual help, but nothing can really happen as long as reaching that single, common goal is considered a race between two competitors.

As the campus grows, recognition of the need for greater coordination of various programs on the campus becomes recognized. It is our hope that we can be depended upon to do our share in helping solve communications problems, whether it be in programming, calendaring, food service, or whatever else may be appropriate.

Over all, our greatest concern is still that we can continue to offer our facilities and services to the greatest number of persons with a minimum drop in service and/or quality, that we do not allow ourselves to become only quantity conscious. This involves not only knowing our possibilities but our limitations. Obviously, these will continue to be areas in which we shall strive to be well-informed.

914

ADMINISTRATIVE APPOINTMENTS AND SEPARATIONS
NEW MEXICO UNION STAFF, 1965-66

<u>NAME</u>	<u>APPOINTED</u>	<u>SEPARATED</u>
Baca, Manuel A. Food Service Supervisor	---	November 30, 1965
Bernstein, Steve Food Service Supervisor	December 1, 1965	---
Bodour, Haig Division Supervisor-Bookstore	July 5, 1965	---
Faddis, Del Mar. Program Advisor	---	June 7, 1965
Jennings, Frank Food Service Supervisor	March 1, 1966	---
Kamber, Victor Program Assistant-Activities Center	September 7, 1965	---
Mares, Paul Assistant to the Manager-Bookstore	---	December 31, 1965
Schmidt, Donald Division Supervisor-Bookstore	August 1, 1965	---

PROFESSIONAL ACTIVITIES OF NEW MEXICO UNION
STAFF MEMBERS - 1965-66

Faddis, Del Mar, Program Advisor:

Member, Association of College Unions National
Committee on the Arts.

Henry, Gwinn "Bub", Games Manager:

Member, Association of College Unions National
Recreation Committee.

Recreational Advisor, Region 13 of the Association
of College Unions.

Chairman, Association of College Unions Inter-
collegiate Recreation Tournament held at
Utah State University, February, 1966.

Meet Director, National AAU Indoor Track Meet held
at Albuquerque, New Mexico, March, 1966.

Jackson, A. O. "Si", Manager, Associated Students Bookstore;
Trustee, National Association of College Stores.

Rouelle, Andre', Food Service Manager:

Guest Speaker, New Mexico Restaurant Association
Regional Meeting held at Hobbs, May, 1966.

Bierbaum, Wm. R., Director:

Member, Association of College Unions National Inter-
association Committee (NAPPA liaison).

The Report of the Placement Center
July 1, 1965 - June 30, 1966
H. Maxwell Campbell, Director

PREFACE

During this academic year, 5,275 students and alumni registered with the Placement Center. This figure includes 862 industrial registrants, 1,306 teacher registrants and 3,107 part-time and summer registrants.

Total number of job placements reported to the Center during 1965-66 was 3,611. Many others took positions but did not report them to the Center, and others went into graduate school, stayed with positions they already had, or made other plans. A small percentage are still seeking positions in the industrial and educational sections. Because of the temporary nature of most part-time jobs, many registrants are always available in this section.

During this academic year, 34,179 personal visits were made to the Placement Center by students, alumni, school and company representatives. This is an increase of 3,860 over last year.

Details are explained in the succeeding sections of this report in the major areas of responsibility within the Center, i.e., industrial and commercial, education, and part-time.

PART I

A. INDUSTRIAL AND COMMERCIAL PLACEMENT

1. Number of Applicants. A total of 862 applicants for employment registered for placement through the Industrial & Commercial Section of the Placement Center during the 1965-66 academic year. This figure includes 358 seniors and graduate students, 325 degree-holding alumni, 110 non-degree applicants, and 69 juniors and seniors seeking summer work only. Of this total figure, 99 are still seeking employment in one or another of these categories.

The known disposition of the seniors and graduate students may be seen in Tables III and IV, pages 10 and 11.

2. Recruiting Activity. Approximately 527 registrants took part in the industrial interview season, including 358 seniors and graduate students, 69 summer applicants and a fluctuating number of degree alumni totaling about 100. As in the past, a number of these alumni were graduates of other universities who were handled by the Placement Center under reciprocal agreement arrangements with their own universities. Since this activity is conducted mainly for the purpose of placing seniors and graduate students in career positions, Table I, page 9, presents a picture of these registrants by fields. The interview season started October 25, 1965 and continued well into April, 1966 and a few companies came even as late as May, 1966.

Because of the increase in campus recruiting for teachers and educational personnel during the same period as industrial recruiting, the

seven rooms available for interview schedules were inadequate to handle the requests for visits during the peak season of February and March. The Director met with several directors from other Southwestern universities to discuss mutual space problems and attempt a solution by encouraging educational recruiters to delay their visits until April. These representatives are recruiting for positions available in September, whereas, the industrial recruiters must fill their positions by June. No solution to the problem was reached, and further investigation is being conducted in order to best utilize recruiting space.

3. Company Information: Three hundred and sixty-two companies and organizations sent representatives to the campus this year for which 430 interview schedules were prepared. This is almost double the number of companies that recruited in 1965, and this total does not represent the number interested in coming since many more companies requested space when it was not available. Individual interviews totaled 3,072 as compared to 2,482 last year. As noted on Table II, page 9, the four leading types of organizations recruiting on campus were government, petroleum, chemical and marketing concerns.

Although twice the number of companies seeking technical personnel recruited, these companies were competing for about the same number of graduates in the technical fields as were available last year. All engineers, with the exception of a few non-citizens, were employed if they so desired by July 1, 1966. The military draft did not seem to have much effect in numbers of offers given to the engineering students. The only

-3-

significant number of technical students who were not placed were women in the biological fields.

4. Employment Trends, 1966. The demand for Negroes to meet the equal opportunity obligation of companies was again very pronounced. Unfortunately, the Industrial Section of the Placement Center did not have any Negroes registered for employment. Women, also under the Equal Opportunity Law, were not in any more demand than usual. Many more women were placed through the Center this year, but that was because 1) many more were registered, particularly in Liberal Arts, and 2) the Assistant Director counseled individually each female registrant early in the first semester. The law seems to benefit women mainly in the salary area -- that is, women are now receiving equal salary offers for positions in areas where men are also employed. It has not affected salary offers in areas historically reserved for females.

Other minority groups were not sought specifically by companies attempting to meet the requirements of the law. This may be due to the fact that in the professional employment area there has been little discrimination shown against minority groups other than Negroes. A factor in the preference for Negroes which cannot be overlooked, however, is the politically powerful agencies representing the Negro interest. "Equal Opportunity" at this time can be equated to employment opportunity for Negroes, usually without regard to the best qualified applicant. The Placement Center is not evaluating this situation, but stating it as a factor which is affecting the employment picture, particularly in the non-technical areas where the competition for jobs is the highest.

5. Graduate Salary Information. Average salary offers for Bachelor's degrees were above last year in all areas except the Physical Sciences, as can be seen in Table V, page 11. These averages do not include Federal Government offers, nor do they represent the average salary accepted in these fields.

The Federal Government offers the new college graduate standard salaries on the government scale of GS-5 or a GS-7 rating, depending upon grade point average, class standing, etc. These ratings differ for technical and non-technical personnel. In the case of the non-technical applicant, the offers this year were: GS-5 \$432 per month, and GS-7 \$522 per month. These two starting salaries can be compared favorably to industrial non-technical offers. However, the same two grades for engineers and scientists, although higher than the counterparts for non-technical, are far below industrial offers in these disciplines. These offers were: GS-5 \$517 per month, and GS-7 \$609 per month. Very few of our technical registrants accepted Federal Government offers.

Monthly salary offers ranged on the bachelor level as follows:

Business Administration: \$450-660; Engineers: Chemical \$655-\$965; Civil \$630-\$780; Electrical \$628-\$883; Mechanical \$602-\$785; Liberal Arts \$417-\$618; Physical Sciences \$480-\$740.

Average monthly salary offers for Master's degrees were as follows:

Business Administration: \$748 based on nine offers; Chemical Engineering: no data; Civil Engineering: \$771 based on ten offers; Electrical Engineering: no data; Mechanical Engineering: \$745 based on five offers;

Nuclear Engineering: \$805 based on five offers; Liberal Arts: \$636 based on three offers; Physical Sciences: \$724 based on six offers. Because of the small amount of data in all areas no conclusions can be drawn from this information.

6. Alumni Placement.

A. Degree Alumni. Degree holding alumni registration was up from 211 last year to 325 during 1965-66. Of this total, 94 were from technical fields, 173 non-technical and 98 women, mostly from the non-technical fields. As of July 1, 1966, 168 of these registrants were employed, and 28 were still seeking employment. The remaining 139 either remained with the jobs they had prior to registering, made other arrangements such as entering graduate school or the military, or in some cases, simply decided not to work. Forty-four registered with the Center and were never heard from again. This figure is only two higher than last year's "unknowns" which percentage-wise indicates a large gain for our feedback system. Although the system used to obtain reports from registrants remains unchanged, the speed with which a registrant is dropped from the active list if not heard from has been greatly increased.

This year the Industrial Section handled 19 graduates from other universities on a reciprocal basis. As explained in last year's report, this agreement with other universities to handle their graduates is in order to benefit our own alumni in other parts of the country who receive equal service at other member universities.

B. Non-Degree Alumni and Clerical. Of the 110 non-degree alumni, 44 were men who had dropped out of The University of New Mexico before completing their degree. Of these, seven are still seeking employment, 11 did not report back and 26 were placed. Sixty-six women are included in this category, although not all of them are University drop-outs. The majority, in fact, are wives of students who are assisting their husbands in obtaining a college education. Seven are still seeking positions, 27 did not report back to the Center and 32 were placed, primarily in clerical and secretarial positions.

C. Alumni Conclusions. Over half of the registrants in the Industrial Section of the Placement Center are alumni. Relatively few of these persons take part in the interview season and thus require much more personal counseling than do the enrolled students. This counseling is done both by letter and in person when the alumni are available. The ratio between student and alumni registrant is general throughout the country, and an attempt to meet the special need of the alumni and relieve the pressure on the individual placement centers is being made by the College Placement Council. The Council has set up an alumni placement center to which individual graduates can be referred by the directors of placement centers. Whether or not they elect to take advantage of this service, the alumnus receives full free services available through the Placement Center including the monthly News Letter and the list of companies scheduled to interview on campus. If unable to interview, they may have their data sheet brought to the attention of individual recruiters for direct contact.

The number of alumni being handled at this time is increased by the 1966 graduates who are still seeking positions, bringing the total to 99.

7. Summary. The large increase in companies and government agencies recruiting on campus this year reflects a growing awareness on the part of these organizations to the fact that graduates with the best potential as employees are already committed to employment prior to their graduation. In order to obtain any of these students, it is necessary to send recruiters to the colleges. Not all companies seeking technical graduates were concerned with military status. Companies seeking non-technical graduates were more aware of the problem, although many offers were given to students to become effective after their military obligation had been met. The main problem facing companies seeking technical students was the limited number available, particularly in the fields of engineering.

Compulsory registration of seniors in the Industrial Section is not required, nor would it be feasible (The College of Education does require its seniors to register in the Educational Section). However, since this is true, the number of registrants entering graduate school or the military service as indicated on Tables III and IV, page 10 and 11, represent students who originally did not register with the Placement Center. Thus, no conclusions can be reached concerning any large increase in numbers of students going on to military service or to graduate school.

Labor Department reports which have been published in the newspapers inadvertently encourage young people to think that all that is required for

-8-

a good job is a college education. At present this is almost true in the engineering fields where the supply and demand requires the employer to take nearly any degree holder. However, in all other areas a great many students need employment counseling prior to their senior year in order to realize what a prospective employer requires from a job applicant. An increasing number of undergraduates are seeking information from the Placement Center.

Registration procedures and forms have been changed in the Industrial Section in coordination with the Educational Section. This will be further discussed in the Educational part of this report.

INDUSTRIAL AND COMMERCIAL STUDENT REGISTRANTS BY FIELDS, 1966

	Bachelors	Masters	Doctoral	Total
ENGINEERS				
Chemical	16	1	0	17
Civil	13	3	1	17
Electrical	30	0	5	35
Mechanical	25	5	0	30
Nuclear	0	3	0	3
SCIENCES				
Biology	20	1	0	21
Chemistry	4	1	1	6
Geology	5	4	0	9
Mathematics	16	2	0	18
Physics	2	2	0	4
LIBERAL ARTS	125	10	2	137
BUSINESS ADMINISTRATION	45	14	0	59
LAW	1	0	0	1
PHARMACY	1	0	0	1
Totals	303	46	9	358

TABLE I

NUMBER AND TYPES OF ORGANIZATIONS REPRESENTED ON CAMPUS

	1965	1966
Accounting	4	5
Aircraft, Missile & Components	19	33
Chemical & Allied Companies	11	42
Construction & Building Materials Mfrs.	0	3
Electronics Equipment, Systems & Service	19	50
Finance & Banking	6	10
Federal, State & Municipal Government	54	77
Insurance	11	20
Machinery & Metal Products	0	6
Mining	0	7
Petroleum & Allied Products	20	53
Research	5	5
Retail, Wholesale Sales Organizations	25	32
Service Organizations	4	2
Steel	3	9
Other	15	8
Totals	196	362

TABLE II

DISPOSITION OF TECHNICAL STUDENT REGISTRANTS

Employers:	ChE	CE	EE	ME	NuE	Bio	Chem	Geo	Math	Phys	Phar	'66	'65
Government													
Federal		1	3	1					1			6	6
State						1						1	1
Petroleum	5	1		1				1				8	20
Local Prim.													
Contr.	1			2			2					5	10
Elect. Equip.													
& Mfg.			11	2					2			15	10
Chem. & Allied	3	1		1		1	1					7	11
Aircraft	1	1	2	8					2			14	9
Construction		4		2								6	7
Research			3	5	1	1	1		1			12	6
Education		1					1					2	2
Other													2
Employed (de-													
tails unknown)		1	6	1	1	2		1	3			15	12
Totals	10	10	25	23	2	5	5	2	9	0	0	91	96

Other Tech.
Registrants:

Still Seeking			3	4		4		1	3	3		18	8
Graduate Sch.	7	4	3	2		3		2	3	1		25	31
Military			1			2		1			1	5	6
Did Not Com-													
plete		3		1	1	2			1			8	3
Misc.													4
No Information			3			5	1	3	2			14	12
Totals	17	17	35	30	3	21	6	9	18	4	1	161	160

TABLE III

DISPOSITION OF NON-TECHNICAL STUDENT REGISTRANTS

	Acct.	Investi- gation	Mgmt. Trng.	Sales	Gen. Bus.	Other	Unknown	Totals '66	'65
Government									
Federal	2	1				8			
State		1				4			
City						3		19	13
Industry	5	2	5	6		4		22	19
Education						9		9	9
Finance &									
Banking			6					6	6
Retail Sales			1	2				3	4
Insurance				4				4	3
Service Organ- izations						2		2	2
Employed (de- tails unknown)							16	16	6
Totals	7	4	12	12		30	16	81	62
Still Seeking								34	28
Graduate School								27	11
Military								11	2
Miscellaneous								5	3
Did Not Complete								11	3
No Information								28	35
Totals								197	144

TABLE IV

AVERAGE MONTHLY SALARY OFFERS - BACHELOR'S LEVEL

Curriculum	Class of 1965	Class of 1966	National Average*
Business Administration	\$501	\$554	\$571
Engr. - Chemical	672	691	682
Engr. - Civil	601	682	658
Engr. - Electrical	666	702	679
Engr. - Mechanical	640	690	670
Humanities	451	486	547
Physical Sciences	644	634	642

*From July, 1966 Salary Survey Report Compiled by the College Placement Council.

Average monthly salary offer from all fields of engineering at UNM: \$687

Nat'l average monthly salary offer for all fields of engineering: \$671

TABLE V

B. EDUCATIONAL PLACEMENT

1. Number of Applicants. The Educational Section of the Center handled a total of 1,306 teacher registrants during 1965-66, which represents an increase of 598 over the number of registrants for 1964-65. This figure does not include 123 non-active registrants who received assistance without reactivating. Of the 1,306, 182 registered for college teaching. (See Table VI, page 16.)

Inclusive in the total number of registrants were 567 reactivations, 647 new registrants, and 92 graduates from other colleges handled on a reciprocal basis. A total of 608 applicants obtained positions, not including ten who elected to stay with their former positions. These ten "shoppers" (teachers already assured of a contract where they have been teaching, but who register to see what else might be available) are those who have reported their status to the Placement Center, although it can be assumed that most of the 56 reactivations for whom there is no information are also in this category. (See Table VII, page 17.)

Of the 1,306 registrants only 427 were still actively seeking a position as of July 1, 1966. Many of these will be placed by the start of the school year in September.

It is interesting to note that 42 teacher registrants left the teaching profession for positions in industry and government.

2. Salary Information. Average salary offers recorded for the Educational registrants were as follows: Elementary, \$5,281 per year; Secondary, \$5,423; Administration, \$8,513; College, \$8,780 (this figure does not include the exceptionally high yearly offer of \$25,000 by

Parsons College, Fairfield, Iowa), and Government and Industry, \$5,805. In general these salary figures do not show any substantial increase over last year.

3. Campus Recruiting. One hundred and twenty school representatives visited the campus during 1965-66 and conducted 840 individual interviews for which 77 interview schedules were prepared. As in the past, many school officials dropped by the office to inspect credentials and discuss staffing problems with the Assistant Director in the Educational Section.

4. Placement by Mail. The Educational Section of the Placement Center sent 2,605 sets of credentials to prospective employers. Contact by mail is proving to be an important supplement in the placement of teachers.

To aid the registrants in locating openings, the Educational Section keeps an up-to-date listing of openings available to those who come into the office. Once a month these listings are sent by mail to all of the active registrants.

In addition to contacting the registrants, the Educational Section also sends a list of available teacher applicants to many school officials in New Mexico, California and various other states. This list is sent during the summer.

5. Teacher Placement Trends. More applicants were placed this year in Social Studies and Boys' Physical Education than in past years. In fact, this was the first time in many years when the demand for Boys' Physical

Education exceeded that for Girls' Physical Education. The two areas most in demand, however, were Mathematics where 90% of the registrants in this field were placed, and Music where 70% of the registrants were placed. Less than half of the college registrants were placed, which represents a percentage decrease over last year when two-thirds of these registrants found positions. A contributing factor to this decline in college placement would be the large increase in master candidates for college positions particularly in the humanities, where doctoral degrees are usually required for this level of placement. Most doctorate holders found college positions, and those that did not have restricted themselves to a particular geographic location. The demand for college teachers is still high, but the number of applicants in the various fields is also increasing to such an extent that in the non-technical fields the colleges can demand and obtain the higher degrees and qualifications.

6. Geographic Preference for Employment. As in the past, New Mexico obtained the highest percentage of our teachers with a total of 358, including Albuquerque with the lion's share of 211. California was again second with 62 placements. Five of our teachers accepted foreign employment. The other 141 scattered over the nation. These figures do not include the 42 who entered non-teaching positions.

7. Procedure Changes. Many changes were instituted by the Placement Center to better facilitate the handling of Educational registrants. The most outstanding change has been the utilization of the data processing system for cross-filing the applicants by teaching fields and establishing

the mail lists in this section. Further changes were made in conjunction with the Industrial Section to standardize as much as possible the registration forms used by the two sections.

The Assistant Director held personal conferences with each new registrant and reciprocal applicant, as well as many of those reactivating their files. The advantages of this procedure were many-fold, as well as maintaining the over-all atmosphere of personal interest in each applicant which the Center strives to maintain throughout its operation.

Another change, which primarily affects the Educational Section, is the addition of a fee for credentials sent in excess of five sets to prospective employers at the request of the applicant. There is no charge for any number made directly by the employers. This fee (\$1.00 per set of credentials in excess of 5) has been made necessary by the misuse of the free service rendered by this Center by some of our applicants. This charge will affect those primarily seeking college positions since most requests for public school teachers are received directly from the schools.

Other changes which save both time and money in this section have to do with 1) the collection of references, the initial contact now being left in the hands of the registrant, and 2) the duplication of information for campus recruiters which has been shortened from a complete set of credentials for each interviewee to a data sheet for each. Additional information is available when interest is shown in the applicant.

EDUCATIONAL REGISTRANTS

	REACTIVATIONS	NEW REGISTRANTS	RECIPROCAL	TOTALS
Elementary	64	100	10	174
Secondary				
1. English	37	70	3	110
2. Social Studies	44	57	5	106
3. Physical Ed.				
Boys'	26	23	5	
Girls'	9	12	1	76
4. Foreign Language	32	26	3	61
5. Science	20	28	8	56
6. Arts & Crafts	23	18	5	46
7. Business Ed.	17	21	5	43
8. Home Economics	15	20	2	37
9. Mathematics	17	17	2	36
10. Music	19	7	1	27
11. Others	33	18	5	56
Administration	17	6	3	26
College	94	68	20	182
Remaining Same Position	8	2	0	10
Graduate School	11	5	0	16
Military	0	5	1	6
Not Active	25	72	0	97
No Information	56	72	13	141
TOTALS	567	647	92	1,306

TABLE VI

EDUCATIONAL PLACEMENTS

	REACTIVATIONS	NEW REGISTRANTS	RECIPROCAL	TOTALS
Elementary	44	77	8	129
Secondary				
1. English	20	33	2	55
2. Social Studies	21	19	3	43
3. Physical Ed.				
Boys'	11	13	1	
Girls'	5	6	1	37
4. Foreign Language	17	16	1	34
5. Science	7	21	3	31
6. Mathematics	14	13	1	28
7. Arts & Crafts	11	12	1	24
8. Business Ed.	9	10	3	22
9. Music	13	6	0	19
10. Home Economics	7	11	0	18
11. Others	15	10	5	30
Administration	10	2	3	15
College	36	39	6	81
Government & Industry	28	11	3	42
TOTALS	268	299	41	608

TABLE VII

-17-

933

C. PART-TIME & SUMMER PLACEMENT

1. Number of Registrants. A total of 3,107 students and student wives registered for part-time or summer positions with the Center, an increase of 427 over last year. This figure includes student aid positions (a program which will be discontinued after this year), and all other part-time jobs off campus, and some on-campus work.

2. Placements. A total of 2,731 positions were filled by the Center. The ratio of number of students registered to number of students placed was down this year as compared to last year, even though the total number of placements was higher. Although some students did not obtain employment, this fact was mainly due to a lack of interest on their part rather than to a lack of opportunities.

The federally supported Work-Study Program for college students has made it possible for departments on campus to obtain more student helpers than in the past, and has greatly reduced the number of available positions on campus outside of this program.

3. Student Aid. A total of 243 applicants again obtained positions on campus through the Student Aid Program. These positions paid \$1.00 per hour and students must have indicated a financial need and met certain scholastic requirements to be eligible for participation in this program. This program has been supported by a special fund allocated by the University for the purpose of assisting qualified students. This year the University supported Student Aid Program ran concurrently with a similar program supported by the Federal Government which paid the eligible students \$1.25 per hour. This inequality between the two programs will be

adjusted next year when the two programs will be combined. Future handling of the aids program will be conducted by the Office of Scholarships and Financial Aids.

4. Full-Time Summer Work. Post cards to local businessmen and personal visits by the Director to numerous local companies failed to result in more than a nominal number of full-time summer positions in the Albuquerque area. Most of the students who obtained summer work accepted positions out of town with summer camps, national parks and a few resorts. Most of these positions pay poorly. Many upper classmen in the technical fields who interviewed with companies throughout the country during the recruiting season obtained excellent paying positions for the summer. In general, however, results for students seeking summer positions were not good this year.

5. Placement Procedures. Several improvements were made in the processing and handling of students for part-time employment.

A. A simplified registration procedure was instituted which has encouraged students to put more complete background information concerning their qualifications on the registration card.

B. The filing system was revised to enable jobs to be offered first to those students who registered first, as well as enabling the secretary in this section to locate registrants by major, class, grade point, hours available to work, or job type, instead of just by job type as in the past.

C. A new policy was instituted in sending the name and background information on an individual registrant to an employer who might be interested in a person with the particular skills. This resulted in many placements.

In addition to devising and implementing the above improvements, Mrs. Susan Demas, who is in charge of this section, also increased the time allotted to telephoning qualified students concerning specific openings.

6. Summary of Part-Time Results. The overall picture in the part-time section was good this year, even though in some areas such as summer employment the number of jobs was down from last year. Any student who sincerely wishes to obtain part-time work can do so, as the number of job listings that "go begging" testify. The failure of some students to obtain work is based entirely on the following: 1) expecting the job to be handed to them without any effort on their own part, 2) feeling some jobs are beneath them, such as manual labor, etc., and 3) demanding higher pay than the going rate.

PART II

1. Physical Facilities. Although it was hoped that the Placement Center could operate on present facilities until permanent facilities would be available in about two years, this is not feasible. Many companies, government agencies and school systems had to be turned down this year when they requested interviewing space simply because no space was available. Having to turn down these prospective employers is a very poor policy which can have undesirable future repercussions resulting in The University of New Mexico being left off the recruiting schedules for these employers even though space may be available at that time. Many additional rooms are needed and will be needed in the future, and these have been recommended and tentatively approved by the University officials for the new facilities. However, on a temporary basis for the forthcoming academic year, the Placement Center is requesting the addition of two to three interview rooms, which could be supplied by the purchase of a trailer. Although parking a trailer next to the temporary building now housing the Placement Center will in no way enhance the impression of the University obtained by the employers, it will serve to increase our assistance both to the students and the employers.

2. Staff Requirements. Staff requirements remain the same as those listed in last year's report. However, because of the space situation, as indicated above, the Placement Center will not request the much needed Assistant Director for the Part-Time Section until such time as new facilities are available.

PART III

A. Staff Appointments. The following individuals were appointed to the staff of the Placement Center during the year ending June 30, 1966:

Mary Martin	July 1, 1965
Ellen Kay Peel	October 6, 1965
Doreen Tomaski	May 15, 1966

B. Staff Separations.

Lucille McKinney	October 15, 1965
Ellen Kay Peel	May 15, 1966

C. Change of Name. A change of name from Placement Bureau to Placement Center was granted by the administration. The new name better signifies the diversified forms of placement conducted by this office.

PART IV

Outside Professional Activities. Both the Director and Assistant Director for Industrial Placement are active members of the Rocky Mountain College Placement Association. This is the regional professional placement association for this area, and along with seven other regional associations in the United States and Canada comprises the College Placement Council. The Director attended the Rocky Mountain College Placement Association Conference in Provo, Utah, at which time he was elected to the Vice-Presidency of this association. Normally this position is gained by election to Secretary and moving through the chairs, but was filled directly in this case by a sudden vacancy.

The Director was also recognized by the College Placement Council in being one of a limited number to be chosen from all of the placement associations to participate in a program designed to assist small colleges in setting up workable placement centers. This program is primarily designed for the purpose of helping predominantly Negro colleges start their placement services. The Director attended an orientation meeting in Bethlehem, Pennsylvania, and will be Chairman of a visiting team in Louisiana later this year.

Both the Director and the Assistant Director for the Educational Section are active members of the Association for Staffing Colleges, Universities and Schools. This is a national professional organization for persons involved in the field of educational placement. The Director and Assistant Director attended the annual conference of the Association in Phoenix, Arizona.

The Assistant Director for Industrial Placement is an active member of the Albuquerque Chapter of Personnel Women of New Mexico, and served during the past year as Secretary of this organization. The Director is an active member of the Albuquerque Chapter of the National Personnel Association.

Other professional organizations to which the Director belongs are: Albuquerque Armed Forces Advisory Committee, and a member of the Board of Directors of the Albuquerque Rotary Club for the past two years.

THE REPORT OF THE STUDENT HEALTH SERVICE

July 1, 1965 to June 30, 1966

A. Kenneth Young, M.D., Director

Significant Developments:

The Health Pattern for the year under review has been unusually good as is demonstrated in the appended statistical tables. Apart from a heavier-than-usual outbreak of mild upper respiratory infection in March there were no epidemics.

Despite the above observation, the present physical facilities were taxed to their utmost to maintain adequate service to the increased number of students on campus. The overall increase in total visits to the Student Health Service was 14.1% above last year's figure. It is therefore gratifying to report that construction of the new Health Service Building will definitely be started early in the coming academic year with completion promised before September 1967.

It is reported with deep regret that four students died during the academic year--three in traffic accidents and one of a sudden cardiac illness. All were males, and no deaths occurred on campus.

Peace Corps:

The Peace Corps Trainees continued to utilize the Student Health Service at a much heavier rate than students. Averaged over the year there were 150 Peace Corps visits to the Service per 100 Peace Corps Trainees, compared with 19 student visits for every 100 students. In other words, the Peace Corps Trainees used the Service 8 times more frequently than did the students.

A study of the actual conditions for which the trainees presented themselves demonstrates that accidents, strains and sprains accounted for 54.1% of the new cases seen among trainees; compared to 20.6% in the general student body. Otherwise, the greater frequency with which Peace Corps Trainees visit the Health Service is largely due to undue apprehension of illness and to trivial conditions for which the normal individual does not usually seek professional help.

As a further comparison: If the ordinary students were as apprehensive of illness, as accident prone or as medically uninformed as the average Peace Corps Trainee, the Health Service would require to have a minimum of 32 full-time physicians to cope with their needs.

Staff Changes:

Dr. Alice G. Brandfonbrener found it necessary, for family reasons, to resign from Student Health Service in October 1965. She was replaced, in November, by Dr. Walter H. Yeider, who left unexpectedly in April to take a post elsewhere. The Health Service is grateful to Drs. Arthur L. Clark, Lorn M. Shields and Charles J. Metzler, who, along with the regular part-time physicians, assisted generously with their services in this unexpected dilemma. Negotiations are underway for the appointment in 1966-67 of two new full-time physicians.

Dr. Anthony Williams, because of the exigencies of his private practice, found it necessary to resign from his part-time position with the Student Health Service as of June 30.

Miss Evelyn Rapanos, Clinical Technologist, resigned from the Department as of June 30, to return to Canada. Arrangements have been completed for the appointment on July 1 of Mrs. Volores Johnson to replace Miss Rapanos as Clinical Laboratory Technologist.

The following changes have also taken place on the Nursing Staff:

Mrs. Marie Porter resigned effective June 30 to return to Canada for family reasons. Arrangements have been completed for her to be replaced by Mrs. Margaret Hernandez, and also for the addition of two new nurses as of July 1--Miss Lucyle Pace and Mrs. Gladys Kovaluk.

Outside Professional Activities of the Health Service Staff:

Professional Meetings and Conferences Attended

Drs. Young and McCabe attended the annual meetings of the American College Health Association in San Diego in May 1966.

Dr. Young, as Vice President of the Southwestern College Health Association, participated in the meetings in Lubbock, Texas in February.

Dr. Shand attended a Symposium on Mental Health for General Practitioners at Las Vegas, New Mexico in April.

Dr. Williams attended the Arizona Chest Symposium in March.

Dr. Burress was elected 1st Vice President of the Bernalillo County Medical Society, attended the meetings of the Southern Medical Society in Dallas in March, and the meetings of the New Mexico State Medical Society in Albuquerque in June.

Dr. Best was elected 2nd Vice President of the Local Area Council on Alcoholism, and attended the Symposium of the National Council on Alcoholism at the University of Utah in June 1966.

Dr. Blake continued as Director of the New Mexico State Association for Mental Health and also as Chairman of its Professional Advisory Committee.

Staff Publications During the Year

"Pitfalls of Health Education"

A. Kenneth Young, M.D.

Rocky Mountain Medical Journal

September 1965 Volume 62 No. 9

"Survey of Salaries of Full Time Health Service Physicians"

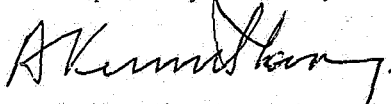
Journal American College Health Association

February 1966 Volume 14 No. 3

Acknowledgments:

As in previous years, the Director and Staff of the Student Health Service most gratefully acknowledge the continuing support and encouragement of the many Officers and Departments of the University, whose warm cooperation has greatly assisted the work of the Department throughout the year.

Respectfully submitted,



A. Kenneth Young, M.D.
Director

STATISTICAL REPORT

1965 - 1966

STUDENT ENROLLMENT

Student Registration	(1964-65)	1965-66	Change
Fall Registration	(10723)	12186	+ 13.6%
Regular Students Eligible for Health Service	(7927)*	9317**	+ 17.5%
Summer Session	(3743)	4616	+ 23.3%

NOTES

* To the above must be added an average of
42 Peace Corps Trainees per month for
twelve months in 1964-65

** To the above must be added an average of
101 Peace Corps Trainees per month for
twelve months in 1965-66

STATISTICAL SUMMARY

	<u>(1964-65)</u>	<u>1965-66</u>	<u>Change</u>
Total visits to Health Service	(15039)	17155	+14.1%
Total consultations by Health Service M.D.'s	(10385)	11517	+10.9%
Total number of patients seen by Health Service M.D.'s	(6392)	7203	+12.7%
Physical Examinations - # U.N.M. employees	(205)	51	-76.3%
Total cases seen by Nurse only *	(2876)	3835	+33.3%
Diathermy	(203)	258	+27.0%
Ultra-violet	(25)	2	-92.0%
Allergy Injections	(614)	792	+25.8%
Number of Immunizations and Vaccinations Performed	(195)	356	+82.5%

Pre-employment Physicals Only in 1965-66

* Total cases seen by nurses (including those later seen by doctors)	(9268)	11038	+19.1%
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Division of Psychiatry

	<u>(1964-65)</u>	<u>1965-66</u>	<u>Change</u>
Number of students seen	(118)	130	+10.2%
Total number of Interviews and Consultations	(581)	510	-12.2%
Average number of consultations per student	(4.9)	3.9	-20.4%

The number of students seen represents 1.9% of all students seen by Health Service Physicians.

The number of consultations represents 4.4% of all consultations by Health Service Physicians.

Clinical Laboratory

	<u>(1964-65)</u>	<u>1965-66</u>	<u>Change</u>
Number of students seen	(1778)	1644	- 7.5%
Number of tests performed	(3718)	3729	+ 0.3%

Administration

Director's Business Meetings, Interviews, Conferences and Staff Meetings	(156)	211	+35.3%
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<u>In-Patient Service</u>	<u>(1964-65)</u>	<u>1965-66</u>	<u>Change</u>
Number of Admissions	(412)	379	- 8.0%
Number of Patient Days	(1027)	715	-30.3%
Average Days/Patient	(2.5)	1.9	
Average Patients/Day	(2.8)	2.0	

SESSIONAL COMPARISON

Period September to End of May 1965-66

TRUE SESSIONAL PICTURE

NUMBER OF ELIGIBLE STUDENTS UP BY 18.8% (FALL REGISTRATION)

Total Visits are Up	13.6% Compared to Previous Year
M.D. Consultations are Up	10.4% Compared to Previous Year
New Cases of Illness are Up	12.1% Compared to Previous Year
Psychiatry Visits are Down	23.1% Compared to Previous Year
Lab (Students Seen) are Down	6.6% Compared to Previous Year
*Nurse Only Visits are Up	33.9% Compared to Previous Year
In-Patient Admissions are Down	10.4% Compared to Previous Year
In-Patient/Patient Days are Up	31.5% Compared to Previous Year

*Total Students Seen by Nurses)
 (New Cases + Nurse Only)) Up by 18.8%

Relative Incidence of Disease and Conditions Seen

(International Classification - abridged)

	<u>(1964-65)</u>	<u>1965-66</u>
Diseases of the Respiratory System	(32.9%)	31.7%
Accidental Poisoning and Violence	(21.14%)	20.6%
Diseases of Skin and Cellular Tissue	(11.28%)	12.5%
Diseases of Digestive System	(9.08%)	9.8%
Emotional Disorders	(3.1%)	3.4%
Infectious and Parasitic Diseases	(2.07%)	1.4%
Disease of Genito-Urinary System	(2.43%)	4.0%
Diseases of the Nervous System	(1.75%)	1.4%
Symptoms and Ill-defined Conditions	(6.1%)	5.8%
Other Conditions	(10.07%)	9.4%

MONTHLY VARIATIONS OF 10% ABOVE OR BELOW
THE ANNUAL AVERAGE INCIDENCE

Respiratory Disease

Above Average in September & December 1965 - January 1966
Below Average in July & August 1965 - May & June 1966

Accidents

Above Average in July, August & November 1965 & May 1966
Below Average in September & December 1965 - January, February,
March & June 1966

Skin Diseases

Above Average in August 1965 & June 1966
Below Average in July, September & December 1965 - March 1966

Digestive Disorders

Above Average in November & December 1965 - February & June 1966
Below Average in July & August 1965 - March & April 1966

Emotional Disorders

Above Average in September, October & November 1965 - January, April
& May 1966
Below Average in July, August & December 1965 - February & March 1966

MONTH OF PEAK INCIDENCE

Respiratory Disease showed a 51.4% increase over the annual average in the month of March 1966. (In March 1965 the incidence was 17.2% above the average for 1964-65.) This increase was due to a minor epidemic of mild upper respiratory infections. This is further borne out that March had the greatest number of in-patient admissions, though the average length of patients' stay in hospital was among the shortest.

Accidents showed an increase of 66% over the annual average in the month of July 1965. (In July 1964 the increase was 80.5% above the average for 1964-65.)

This can be readily explained by the high proportion of Peace Corps Trainees who seem to suffer a quite unnecessary number of accidents due to the methods employed in their physical training. It is recommended that adequate review of this part of the Peace Corps Program be made in order to correct this situation.

Digestive Disorders showed an increase of 63.3% over the annual average in the month of December 1965. (In December 1964 the increase was 46% above the average for 1964-65.) This is a direct reflection of the eating and drinking habits of many members of the student body during the festive season!

THE REPORT OF THE OFFICE OF THE DEAN OF MEN

July 1, 1965 - June 30, 1966

Howard V. Mathany, Dean of Men

General Responsibilities and Developments During the Academic Year 1965-66

The basic function of the Office of the Dean of Men includes the guidance and counseling of individual students, assisting and advising social and honorary student organizations, coordination of the Dean of Men's office staff and office procedures, maintenance of student personnel records, working with residence hall staff members, and supervision of the fraternity housemother staffs. Responsibilities for the high school visitation program and the University's scholarship and loan programs now belong in the Office of Student Aids, although athletic grants-in-aid and small loans are still administered by the Dean of Men. Student traffic in the office continues to increase in proportion to the University's population growth. With approximately 7500 men on campus, more time than ever before is being invested in individual counseling situations. Also, the need for more office and storage space continues to be acute.

Greek Fraternities

The 1965-66 academic year saw both successes and failures among the fraternities. The Greeks managed the largest increase in membership that has been obtained in a number of years. During the fall semester there were 75 more pledges and actives than in 1964-65, and in the spring there were 105 more than in the previous year. A good portion of this increase was due to the establishment of a Phi Gamma Delta colony on the campus during the fall semester. The success of the colony has been overwhelming, and there is every reason to believe that the Fijis will be granted a charter at the national convention late this summer. In addition

to the establishment of the Phi Gamma Delta colony, Alpha Epsilon Pi re-established a colony on our campus, and early indications are that it will be successful. Alpha Epsilon Pi is active in intramurals and was the top scholastic fraternal group this spring.

Academically, the fraternity system was above the all-men's average for the fall semester for the first time in seven semesters. For the spring semester, however, in spite of a Greek grade-point rise, fraternities fell slightly below the all-men's. For the academic year, the scholastic index of fraternity men was above that of all University men.

Another "first" during 1965-66 was an all-Greek retreat held at the Lawrence Ranch early in October. It proved to be very successful. Mr. Robert Miller, Executive Secretary of Phi Delta Theta, and Mr. Lewis Bacon of Alpha Kappa Lambda came as the retreat leaders, which gave a big boost to the program.

Continued expansion is planned for the 1966-67 year with an invitation having been extended to Alpha Kappa Lambda to colonize right after formal rush in the fall. Alpha Kappa Lambda is enthusiastic about the potential on our campus, and there is every indication that the colonization will be a successful one.

There were some problems in connection with Greek Week, but it proved to be quite successful and had the support of both the fraternities and the sororities in much greater numbers than ever before.

The Interfraternity Council has a fine slate of officers for 1966-67 and with the support of the individual Greek groups should prove to be a more successful and effective body than ever before.

The largest problem faced during 1965-66--and one which has not been resolved--is that of attitude. A letter was sent to each fraternity

late in the spring expressing the concern of the University administration in this area with some guide lines for solving the problem. The growth and strength of the system in the coming year will be dictated by whether or not the fraternities accept the challenge and begin to re-evaluate their attitude and to direct their energies toward constructive pursuits.

It is recommended that the system continue to expand. Although some of the fraternities will probably be lost along the way, lack of "new blood" in the system will prove to be much more detrimental than the loss of one or two of the weaker groups.

The housing problem is far from a solution, and efforts must be put forth not only by the University but by the undergraduates and alumni to work out a suitable solution to the problem. There are very few houses at the present time which can be considered adequate, and poor housing just helps to emphasize the existing problems.

The future of the Greek system here looked very black in the spring, but the benefits to young men who become members of fraternities can be great, and it is hoped that our present problems can be overcome and the system might look forward to being one of which everyone can be proud.

Scholarships and Loans

While the University's general scholarship and loan program is no longer administered in this office, we have retained administrative responsibility for athletic grants-in-aid and small loans. In these two programs, 666 individuals were involved and a total of \$252,491.97 was administered.

Athletic grants-in-aid went to 241 men in nine varsity sports at a total of \$234,462.32. Statistics for the individual sports follow, and a detailed roster of athletic grants-in-aid is appended to this report:

<u>Versity Sport</u>	<u>Individuals</u>	<u>Funds</u>
*Football	89	\$ 112,325.62
*Basketball	28	32,146.20
Baseball	30	15,103.00
Golf	12	9,190.00
Gymnastics	8	6,565.00
Swimming	15	10,198.00
Tennis	6	7,686.00
Track	35	31,167.50
Wrestling	18	10,081.00

TOTAL \$ 234,462.32

*Includes 1966 Summer Session

There are five small-loan funds administered by the Office of the Dean of Men. From these, 425 loans were administered totalling \$18,029.65. Statistics for the five funds follow:

Rosenbaum: 124 loans, \$8,027.05; largest loan, \$200.00; smallest loan, \$14.50

Kiwanis: 45 loans, \$2,555.10; largest loan, \$100.00; smallest loan, \$20.00.

Rotary: 28 loans, \$1,549.50; largest loan, \$100.00; smallest loan, \$25.00.

Associated Students: 66 loans, \$4,140.00; largest loan, \$150.00; smallest loan, \$15.00.

Short Term: 162 loans, \$1,758.00; largest loan, \$50.00; smallest loan, \$2.00; usual loan, \$10.00.

Administrative Separations from Staff

At the close of 1965-66, Mr. William M. Chase resigned as Associate Dean of Men to accept the position of Dean of Men at the University of Denver, Denver, Dolorado. Mr. Robert Poole resigned as Personnel

Coordinator in the Men's Residence Halls to do graduate work at East Texas State College, Commerce, Texas.

Administrative Appointments to Staff

Mr. Fred G. Reagan served as Assistant Dean of Men on a half-time basis during 1965-66 and at the close of the year returned to a full-time contract as Associate Dean of Men. Mr. Samuel H. Nelson, formerly a guidance counselor at Laguna-Acoma High School, was named Assistant Dean of Men on a half-time contract at the close of 1965-66, and Mr. Lawrence Lomako, formerly on the housing staff at the University of Colorado, was named Personnel Coordinator in the Men's Residence Halls.

Housing

There was considerable overcrowding in the Men's Residence Halls in the fall of 1965, and few vacancies existed during the year. Unless additional housing becomes available, we can anticipate a great shortage in the fall of 1966.

Some twenty-nine men students were employed as student advisers in the Men's Residence Halls for the year for room and board and stipends varying from \$20.00 to \$125.00 per month. The self-governing system used in our dormitories continues to work quite well, and there seems every reason for us to anticipate satisfaction with the system in the future.

Professional Activities

The following staff members participated in professional conferences and national meetings during the year:

Mr. Chase, Western Regional Interfraternity Conference,
Scottsdale, Arizona, April, 1966.

Mr. Mathany, National NASPA meeting, Seattle, Washington,
June, 1966.

957

THE REPORT OF THE OFFICE OF THE DEAN OF WOMEN
July 1, 1965 - June 30, 1966
Helen Whiteside, Dean of Women

General Responsibilities and Developments During the Academic Year 1965-66

The Offices of the Deans of Women and Men carry, in general, the same basic areas of function and responsibility. These areas, however, differ slightly in approach due to the division of students as implied by title.

Nonetheless, the Dean of Women views her basic areas of function (and responsibility) as (1) relating to any and all matters affecting women students and student welfare, both individually and with groups; (2) relating to the administrative skills and operation of policy and procedural formulation as affects the student, the inter-college and departmental communications, and the public relations of the University; (3) relating to the needs for staff and staff coordination for the efficient operation of the total effort for students and the University community; (4) relating to the Faculty and their joint-efforts toward purpose and direction for the student and the University.

The effects in discharging responsibility within these major areas plunge the staff into such functions as

- (1) counseling individual students with personal concerns, counseling groups of students involving group and/or individual problems
- (2) counseling students with academic problems and scholastic concerns
- (3) dealing with agencies of health, psychological or psychiatric counseling services involving women students
- (4) advising groups i.e., honoraries, women's government, social, etc.
- (5) exceptions to housing policies and procedures (both on and off campus)
- (6) women's government and behavioral needs
- (7) supporting and advising Sorority House Director staff and chapter alumnae advisers

- (8) part-time staff (Graduate) recruitment, training, and placement and coordinating these efforts with the Guidance and Counseling Department
- (9) full-time staff employment, professional development, and morale
- (10) faculty relations, communications, teaching and committee work
- (11) maintaining office staff and coordinating office procedures
- (12) maintaining appropriate student records

As both the faculty and the student see the availability for assistance in some of these above areas, their own initiative action will continue to require additional staffing which in turn will require expansion of office facilities. Although the increase in student population does impinge an effect in this area, the student and faculty awareness and acceptance of the purposes of these offices is much more heartening and serviceable to the University community.

Sororities

With a most successful recolonizing of the Phi Mu Chapter during the spring semester of 1966, the nine sororities seem to be doing rather well. The colonizing process for additional women's groups has been carefully formulated in conjunction with their National Officers, the Albuquerque alumnae, the Office of the Dean of Students, the Panhellenic Council, and the Business Office of the University. The Dean of Women serves the role of director, consultant, and coordinator of the process, and it seems to be felt by all involved to be most helpful and successful. Further expansion will be in the offing as such need develops for the healthy growth of the sorority system. Total Greek membership for 1965-66 came to 530 women as compared with the highest membership figure thus far attained of 459 for the previous year. (Newspaper reports supply higher figures but include the Town Club, a non-Greek social group.)

Academically, the sororities as a whole continue to increase their

scholastic index over the previous semester, always ranking above both the All University Women's average and the Unaffiliated Women's average as well as the all University average. Among the individual sorority groups, the highest scholastic indices over past years seems to have been achieved regularly during the fall semesters; however, the highest average ever to be thus far achieved by any one woman's group was attained during the 1965-66 year by Alpha Chi Omega (2.8884) and during the second semester, with Pi Beta Phi a close second (2.8221). Since the scholastic average for initiation of pledges was raised to a 2.4 four years ago, the sororities have improved decidedly in their overall scholastic indices. Give or take several semesters, they will achieve a 3.000.

The sororities are not without their problems and concerns, the major being "the Fraternities". The women realize that the men's fraternity system decidedly needs help, and they have set forth some earnest effort and desire to lend in this direction for the 1966-67 year. They have planned discretely and tactfully for they realize the significance of its success upon their own "half" of the Greek system on campus.

Women's Residence Halls

Occupancy:

Even as was well anticipated with the change in the Housing Policy of 1964-65 and the operation of The College Inn, the women's residence halls occupancy seemed to be within our estimations. Exceptions were made by the Dean of Women to house varying requests that could not be otherwise allowed within anticipated crowded conditions and although some few vacancies existed at the beginning of school, the decrease in comparison to previous low years was no more than expected. However, with the academic suspensions and withdrawals at the beginning of Semester II, the drop was uncomfortably

low. Should such be the case in the future, undoubtedly a smooth plan for consolidation would be profitable.

Programming and Government:

The students continue to show interest and development by assuming additional responsibility for the governing of themselves and for creating opportunities to involve increasing numbers of residents in these operations. It is the purpose of the staff to make available to students as many avenues as possible for the fulfillment of student needs and student interests and experiences in light of the educational purposes of the University and their individual growth and development. Within such, it is the purpose that our guidance be within democratic principles and processes, and it is within this frame of reference that we find the greatest satisfactions and an ever-increasing challenge to our work.

Detailed reports of the various activities and events are on file with the Dean of Women.

Scholarship:

The student scholarship committee suffered from a turnover in officers but, on the whole, created and encouraged scholastic achievement throughout all halls most of the year.

To highlight the work towards academic excellence an Awards Dessert was planned and executed by the committee at which certificates and awards were given to students in recognition for their high averages and achievements. The cutting-off point for those receiving recognition was a 3.4 with special significance of those with 4.0 averages. This event was well attended in spite of the pressure of the many other scheduled events of the spring.

Scholarships and Loans

Although the main scholarship and loan program for the University was moved and has become the Office of Student Aids, the Dean of Women, like the Dean of Men, maintains the administrative responsibility for several small loan funds set-up to be operated strictly through the office or, in some cases, in conjunction with the Business Office. These Loan Funds are monies provided by student organizations, the oldest of which is the fund of Mortar Board. During the 1964-65 year, the Associated Women Students established a fund of \$200.00 and the Sophomore women's honorary, Spurs, established a fund of \$100.00

For the 1965-66 year, the cash used to be loaned and the total amount loaned for each group is as follows:

Mortar Board:

Cash used - \$258.00 (23 loans for)	\$473.00
(largest amount loaned \$35.00, smallest loan \$6.00)	

Associated Women Students:

Cash used - \$125.00 (39 loans for)	\$640.00
(largest loan \$30.00, smallest loan \$5.00)	

Spurs:

Cash used - \$50.00 (15 loans for)	\$199.00
(largest loan \$25.00, smallest loan \$4.00)	

In addition, the Associated Student Loan Fund is used jointly by both the Deans of Men and Women in conjunction with the Business Office, enabling loans of large amounts to be made. (See Dean of Men's report.)

The S & A Loan Fund established by the previous Dean of Women also is in conjunction with the Business Office and, upon occasion, seems to be used at the discretion of that office.

Administrative Separations from Staff

Miss Marjorie Stacy, Personnel Coordinator for the Women's Residence Halls, resigned her position in order to seek a teaching position

in or near her home area, Chicago, Illinois.

All other staff appointments were renewed for the 1966-67 year.

Administrative Appointments to Staff

Miss Marguerite Dibble, recent M.A. degree graduate of Florida State University, along with Miss Mary Stier, formerly on the Dean of Women's staff at Webster College, were appointed as Personnel Coordinators of the Women's Residence Halls.

Professional Activities

The staff members of the Dean of Women participated in the following professional conferences, bringing to their work substantial results from the inter-exchange of ideas and the latest professional research developments:

Dean Sue Metzger, - National Association of Women Deans and Counselors, Washington, D. C. - March, 1966.
American Personnel and Guidance Association, Washington, D. C., - March, 1966.

Dean Karen Glaser, - National Association of Women Deans and Counselors, Washington, D. C., - March, 1966.

Miss Martha Postlethwaite, - (Graduate Assistant in Women's Residence Halls) - National Association of Women Deans and Counselors, Washington, D. C. - March, 1966.

A Student Aids Division in the University was organized and became operational as of July 1, 1965 with the following personnel:

Charles J. Sheehan	- Director
John McClure	- Asst. Director
Lavon McDonald	- Counselor
Jayne Moore	- Secretary

Miss Shirley Foster was hired September 7, 1965 as a Clerk-Typist.

Miss Foster resigned November 15, 1965 and was replaced by Mrs. Melba L. Holmes on November 29, 1965.

Office space was assigned in Building Y-1 which later proved to be inadequate. Consequently, in April 1966, the office was moved to more generous quarters in the same building.

The general duties and responsibilities of the Student Aids Division are as follows:

- A. Financial counseling to enrolled and potential students.
- B. Contacting high school seniors concerning admission procedures and financial aid, with the encouragement to attend college.
- C. Administration and operation of all programs concerned with financial aid to undergraduate students.
- D. Advising the Dean of Students and other University administrative personnel in matters pertinent to student aid.
- E. Coordinating University policy with regard to student financial aids between the Faculty Committee on Scholarships, Awards and Loans, and the University Administration.

The Division has three operating departments:

- A. Scholarships and Grants
- B. Work-Study and other work programs
- C. Loans

There is, and must be, close coordination between these three departments. This is necessary because of our present policy of "packaging" financial aids.

Responsibility for the operation of the following programs was assumed as of July 1, 1965:

1. The University and Sponsored Scholarship Programs.
2. The National Defense Student Loan Program.
3. The Nursing Student Loan Program.
4. The Cuban Student Loan Program.
5. The United Student Aid Funds Loan Program.
6. The College Work-Study Program.
7. Deferred Tuition Payments.
8. The High School Visitation Program.

Activity in these programs for the year 1965-66 is listed below.

The University Scholarship Program - University and sponsored scholarships were awarded to 1,401 students in the amount of \$389,289.56 for the academic year 1965-66. A breakdown of the donors of sponsored scholarships is attached as an appendix to this report. Lists of scholarship recipients and amounts received are on file in the Student Aids Office for the use of interested persons.

The National Defense Student Loan Program - Under the NDSL Program, 832 individual loans amounting to \$399,900 were approved by the Student Aids Office in semesters one and two and the Summer Session 1966. The following table shows the distribution by academic level and sex for these loans.

NUMBER OF FULL-TIME STUDENT
BORROWERS AND AMOUNTS

<u>Academic Level</u>	<u>Total</u>		<u>Men</u>		<u>Women</u>	
	<u>Borrowers</u>	<u>Amount</u>	<u>Borrowers</u>	<u>Amount</u>	<u>Borrowers</u>	<u>Amount</u>
freshmen	210	\$89,850	110	\$47,200	100	\$42,650
sophomores	172	\$77,200	89	\$35,650	83	\$41,550
juniors	174	\$88,600	112	\$50,250	62	\$38,350
seniors	211	\$104,700	160	\$67,450	51	\$37,250
graduate & professional	65	\$39,550	45	\$23,200	20	\$16,350
TOTAL	832	\$399,900	516	\$223,750	316	\$176,150

Master lists of students receiving NDSL loans are maintained in the Student Aids Office for the use of interested persons.

The Nursing Student Loan Program - Under the NSL Program, thirteen loans in the amount of \$6,100 were granted. This is a small program at present. I do not anticipate it to grow to any great extent.

The Cuban Student Loan Program - Under the present Cuban Student Loan Program, forty-three loans in the amount of \$24,000 were granted.

The United Student Aid Funds Loan Program - During the 1965-66 academic year, 477 USAF loans were guaranteed by the University in the amount of \$227,776. This program will be absorbed by the State and Federal guaranteed loan program during the academic year 1966-67 and subsequent years.

The College Work-Study Program - Our pilot program involving work-study personnel for the past year has been initiated satisfactorily. Thirty-two students were employed for the first ten months of the year and an additional 100 students were employed during the months of May and June 1966.

Deferred Tuition Payments - A total of 1,823 deferred tuition notes were arranged and processed through the Student Aids Office for semesters one and two. Persistent effort was made to collect delinquent payments. Approximately eight percent of the deferred tuition notes processed were delinquent at one point during the year. I have recommended that the University cease to process

deferred tuition. This recommendation was made to Dean Lavender and the Comptroller, Mr. John Perovich. Beginning with the fall semester, 1966-67, Student Aids will process only deferred tuition notes for Graduate Students on contract, Foreign Students, and a few Work-Study recipients. All other students are being encouraged to contact their local banks for tuition loans. If this is impossible, the American Bank of Commerce will make tuition loans to qualified students at the branch bank located in the Student Union.

The High School Visitation Program - The high school visitation program was very well received over the State. The total number of students contacted was 3,721 in 103 New Mexico high schools. Of the 3,721 students contacted, 2,843 were very good students who we thought merited special attention. A list was prepared from the information card each student had completed, showing the students major field of interest and test scores. This list was furnished to each department with the request that they take some follow-up action. Undecided students were contacted by the Student Aids Office. In general, we found the departments did contact the students as requested. All information cards on students contacted are filed in the Student Aids Office and are available to interested University personnel. We plan a follow-up study this fall to determine how many of those contacted actually enroll. Our policy of not granting scholarships until we have an application, as well as an application for admission, was applauded by almost all the high schools. It is my opinion that departments with "pass out brochure" were better represented and their impression was more lasting. I suggest that all departments make descriptive brochures available to Student Aids for distribution next year.

The most significant development of the past year was the passage of Public Law 389, i.e., The Higher Education Act of 1965. This Law expanded financial aid to students in areas of employment, direct grants and loans. It has added a very significant amount of aid to students. This Law also made several changes in the National Defense Education Act of 1958. One of those changes allows the University to use one percent of the outstanding loan balance in the NDSL account for administrative overhead each year, as well as a quarterly system of payments.

Some expansion can be expected in all our programs for the coming year with the exception of Deferred Tuition Payments. The Work-Study Program will expand to approximately 500 students and \$465,000 during 1966-67 academic year. The Guaranteed Loan Program will expand to approximately 800 students and \$500,000. The NDSL Program will expand to 950 students and approximately \$550,000. The Educational Opportunities Grant Program will involve approximately 200 students receiving \$84,000. These expectations are based on firm commitments from The Department of Health, Education, and Welfare for the 1966-67 year.

The Director of Student Aids is a member of the Southwest Association of Student Financial Aids Officers, and a member of The Mid-western Association of Student Financial Aids Officers. He has served as a consultant for the College Scholarship Service of the College Entrance Examination Board in conducting workshops over the Southwest on the Administration of Student Financial Aids and Need Analysis. He is a member of the Health, Education and Welfare Region VII Panel that passes on applications for government funds to colleges and universities in Louisiana, Texas, Oklahoma and New Mexico.

TUITION SCHOLARSHIPS
1965-66

FRESHMAN TUITION SCHOLARSHIPS

Semester I 1965-66	203 scholarships	\$ 20,262.50
Semester II 1965-66	135 scholarships	13,500.00

FRESHMAN ACTIVITY SCHOLARSHIPS

Semester I 1965-66	110 scholarships	11,173.00
Semester II 1965-66	58 scholarships	8,844.65

UPPERCLASS TUITION SCHOLARSHIPS

Semester I 1965-66	109 scholarships	10,900.00
Semester II 1965-66	80 scholarships	8,000.00

UPPERCLASS ACTIVITY SCHOLARSHIPS

Semester I 1965-66	167 scholarships	23,357.00
Semester II 1965-66	154 scholarships	21,330.00

TOTAL	\$117,367.15
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HONORS - M-3 PROGRAM

HONORS PROGRAM SCHOLARSHIPS

Semester I 1965-66 - 29 individuals	\$ 6,225.00
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Semester II 1965-66 - 24 individuals	5,087.50
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TOTAL HONORS	\$ 11,312.50
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M-3 PROGRAM

Semester I 1965-66 - 26 individuals	\$ 15,937.50
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Semester II 1965-66 - 25 individuals	13,937.50
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TOTAL M-3	\$ 29,875.00
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STUDENTS ASSISTANCE FUNDS
1965-66

FEINSILVER (JOSEPH) STUDENT ASSISTANCE FUND

24 Individuals	\$ 2,076.50
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OSOFF (FRIEDA) LOAN FUND

9 Individuals	629.00
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TOTAL	\$ 2,705.50
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MISCELLANEOUS SCHOLARSHIPS
1965-66

A.A.U.W. of ROSWELL	\$ 465.00
A.F. AND A.M. LODGES	450.00
AFRICAN-AMERICAN INSTITUTE	686.00
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,083.00
AIR FORCE AID SOCIETY	6,525.00
AIR FORCE CENTRAL WELFARE EDUCATION ASSISTANCE	1,100.00
AIR FORCE R.O.T.C. SCHOLARSHIP	100.00
ALBUQUERQUE CITY PANHELLENIC SCHOLARSHIPS	682.00
ALBUQUERQUE CLASSROOM TEACHERS ASSOCIATION SCHOLARSHIPS	1,200.00
ALBUQUERQUE GEM AND MINERAL CLUB SCHOLARSHIP	200.00
ALBUQUERQUE INDUSTRIAL EDUCATION FAIR SCHOLARSHIP	100.00
ALBUQUERQUE JUNIOR CHAMBER OF COMMERCE	450.00
ALLSTATE FOUNDATION SCHOLARSHIP IN NURSING	300.00
ALPHA DELTA KAPPA - GAMMA CHAPTER SCHOLARSHIP	125.00
AMERICAN FOUNDATION FOR PHARMACEUTICAL EDUCATION	600.00
AMERICAN FRIENDS OF MIDDLE EAST, INC.	686.00
AMERICAN G.I. FORUM OF ALBUQUERQUE	150.00
AMERICAN INSTITUTE OF ARCHITECTS SCHOLARSHIP	259.50
AMERICAN PETROLEUM INSTITUTE SCHOLARSHIP	750.00
AMERICAN SOCIETY FOR QUALITY CONTROL	200.00
ALUMNI HIGH SCHOOL AWARDS	1,500.00
ALUMNI MEMORIAL SCHOLARSHIP	250.00
ANONYMOUS SCHOLARSHIP	300.00

ARCHEOLOGICAL SOCIETY OF NEW MEXICO SCHOLARSHIP	\$ 100.00
ARMY CENTRAL WELFARE FUND	175.00
ASSOCIATED CONTRACTORS OF NEW MEXICO SCHOLARSHIP	800.00
ASSOCIATED ROCKY MOUNTAINS UNIVERSITIES, INC.	331.00
B.P.O.E. LODGE #1558 (CARLSBAD)	200.00
B.P.O.E. LODGE #1440	500.00
BANDELIER P.T.A. SCHOLARSHIP	125.00
BECK (JOHN E.) MEMORIAL SCHOLARSHIP	1,500.00
BERNALILLO COUNTY COUNCIL OF P.T.A. SCHOLARSHIP	375.00
BERNALILLO COUNTY MEDICAL SOCIETY	150.00
BETA SIGMA PHI SCHOLARSHIPS	500.00
BITTAR SCHOLARSHIP IN MUSIC	128.50
BOEGEN (EVA) NEWMAN CENTER AWARD	100.00
BRESENHAM (BARBARA HUNT) MEMORIAL NURSING SCHOLARSHIP	300.00
BRESENHAM (CRAIG ELTON) MEMORIAL ENGINEERING SCHOLARSHIP	300.00
BUREAU OF INDIAN AFFAIRS GRANTS	36,702.50
BUTTERI MEMORIAL SCHOLARSHIP	150.00
CARPER DRILLING COMPANY SCHOLARSHIPS	600.00
CATHOLIC SCHOLARSHIPS FOR NEGROES, INC.	150.00
CHI OMEGA ALUMNAE SCHOLARSHIP	150.00
CHRISTIAN SCIENCE ORGANIZATION SCHOLARSHIP	278.00
CLAUVE (LENA) MORTOR BOARD SCHOLARSHIP	100.00
COLUMBIA HOME AND HIGH SCHOOL ASSOCIATION	300.00
COLUMBIA UNIVERSITY SCHOLARSHIP	331.00

CONTINENTAL OIL COMPANY SCHOLARSHIP	\$ 500.00
CONTRACTORS EQUIPMENT & SUPPLY COMPANY SCHOLARSHIP	300.00
CRAMER (CARL) MEMORIAL SCHOLARSHIP	203.00
CREDIT WOMENS BREAKFAST CLUB OF ALBUQUERQUE	100.00
CREOLE PETROLEUM CORPORATION	703.30
CROCKER (BETTY)	695.20
DARGAVEL FOUNDATION	200.00
DAUGHTERS OF PENELOPE MEMORIAL SCHOLARSHIP	50.00
DAVIS BROTHERS, INC.	350.00
DECA SCHOLARSHIP	200.00
DEGREE OF HONOR PROTECTIVE ASSOCIATION	200.00
DELTA KAPPA GAMMA - GAMMA CHAPTER	75.00
DEPARTMENT OF HEALTH-EDUCATION-WELFARE	2,268.50
DEPARTMENT OF INTERIOR GEOLOGICAL SURVEY	54.00
DISABLED AMERICAN VETERANS AUXILIARY	100.00
DUFFET (EVELYN) PRIZE	25.00
DUKE CITY LUMBER COMPANY	250.00
EDUCATION FUNDS, INC.	1,550.00
EUROPEAN CONGRESS OF AMERICAN PARENTS AND TEACHERS	500.00
FACULTY WOMENS CLUB SCHOLARSHIPS	300.00
FARIS (CHESTER E.) SCHOLARSHIPS	175.50
FARMINGTON EDUCATION ASSOCIATION	200.00
FARONE (EVA M.) SCHOLARSHIP IN PHARMACY	500.00
FORD (S.N. AND ADA) FOUNDATION	200.00

FORENSIC SCHOLARSHIP IN SPEECH	\$ 51.00
FINE ARTS SCHOLARSHIPS	457.00
FIRST METHODIST CHURCH OF HOBBS	355.00
FORTY AND EIGHT GRAND VOITURE SCHOLARSHIPS IN NURSING	450.00
FORTY AND EIGHT GRAND VOITURE SCHOLARSHIP IN NURSING - LOS ALAMOS	25.00
FORT SAM HOUSTON SCHOLARSHIPS IN NURSING	2,200.00
GALLUP-MCKINLEY COUNTY EDUCATION ASSOCIATION	600.00
GENERAL MOTORS CORPORATION SCHOLARSHIPS	2,600.00
GIRARD TRUST	2,000.00
GOUGH (HELEN) SCHOLARSHIP FOUNDATION	686.00
GOVERNOR'S COMMISSION ON EMPLOYMENT OF HANDICAPPED	100.00
GUAM SCHOLARSHIP	1,017.00
HERMITAGE FOUNDATION MEMORIAL SCHOLARSHIP	331.00
HOBBS JR. WOMENS CLUB	200.00
HOBBS P.T.A. SCHOLARSHIP	262.50
HOBBS SUB. DEB CLUB	250.00
HORTON (BENJAMIN K.) SCHOLARSHIPS	350.00
ICETEX SCHOLARSHIPS	343.00
IDEAL CEMENT COMPANY SCHOLARSHIP	250.00
ILLINOIS VOCATIONAL REHABILITATION	270.00
INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEER SCHOLARSHIP	400.00
INSTITUTE OF INTERNATIONAL EDUCATION SCHOLARSHIPS	4,435.00
INSURED TUITION PAYMENT PLAN (R.C. KNIGHT AGENCY)	4,146.00

INTERNATIONAL ASSOCIATION OF MACHINISTS SCHOLARSHIP	\$ 1,000.00
IOWA VOCATIONAL REHABILITATION SCHOLARSHIP	340.00
IRICK (PORTIA) SCHOLARSHIP	500.00
JEWEL TEA COMPANY SCHOLARSHIP	500.00
KAPPA KAPPA IOTA - BETA CONCLAVE	50.00
KAPPA KAPPA GAMMA MEMORIAL SCHOLARSHIP	150.00
KAPPA OMRICON PHI SCHOLARSHIP	60.00
KARVELAS SCHOLARSHIP IN PHILOSOPHY	125.00
KENNECOTT COPPER CORPORATION SCHOLARSHIP	1,000.00
KINNEY BRICK COMPANY SCHOLARSHIPS IN ARCHITECTURE	750.00
KIRBY SCHOLARSHIPS	2,704.50
KIWANIS CLUB OF CARLSBAD	150.00
KIWANIS CLUB OF SANDIA	336.00
KRUGER (CARL) MEMORIAL SCHOLARSHIP	500.00
KUWAIT STUDENT BUREAU	2,058.00
LAGUNA PUEBLO SCHOLARSHIPS	7,636.00
LARGO OIL & TRANSPORT COMPANY SCHOLARSHIP	1,500.00
LAW SCHOOL ALUMNI SCHOLARSHIP	125.00
LIONS CLUB (ALBUQUERQUE BREAKFAST) SCHOLARSHIP	200.00
LIONS CLUB (LOS ALAMOS) SCHOLARSHIP	100.00
LIONS CLUB (DOWNTOWN) SCHOLARSHIP	600.00
LIONS CLUB (YSLETA) SCHOLARSHIP	295.00
LOS ALAMOS HIGH SCHOOL DRAMA SCHOLARSHIP	100.00
LOS ALAMOS MEDICAL CENTER HOSPITAL AUXILIARY	375.00

LOUISIANA VOCATIONAL REHABILITATION	\$ 693.50
MCCANN (KATHLEEN) MEMORIAL SCHOLARSHIP OF PHI LAMBDA THETA	300.00
MCKESSON AND ROBBINS, INC. SCHOLARSHIP	150.00
MCAHON (HELEN) MEMORIAL SCHOLARSHIP	200.00
MCMILLIAN MEMORIAL SCHOLARSHIPS	1,250.00
MAINZ OFFICERS AND CIVILIAN WIVES CLUB SCHOLARSHIP	619.00
MAKE IT YOURSELF WITH WOOL SCHOLARSHIP	100.00
MARGARET FUND SCHOLARSHIP	2,250.00
MASSACHUSETTS REHABILITATION COMMISSION	662.00
MELLINGER (EDWARD ARTHUR) FOUNDATION SCHOLARSHIP	200.00
MESA LODGE #68 A.F. AND A.M.	300.00
MICHIGAN VOCATIONAL REHABILITATION SCHOLARSHIP	686.00
MILLER (PHILLIP D.) MEMORIAL SCHOLARSHIP	700.00
MISCELLANEOUS SCHOLARSHIPS	2,029.00
MONTANA VOCATIONAL REHABILITATION SCHOLARSHIP	150.00
MU PHI EPSILON SCHOLARSHIP	75.00
NATIONAL FOUNDATION FOR INFANTILE PARALYSIS - BERNALILLO CHAPTER	800.00
NATIONAL HONOR SOCIETY - ALPHA CHAPTER	150.00
NATIONAL MERIT SCHOLARSHIPS	1,775.00
NEELY ENTERPRISES SCHOLARSHIPS	500.00
NAVY RELIEF SOCIETY SCHOLARSHIP	722.00
NEW MEXICO HIGH SCHOOL COACHES ASSOCIATION	500.00

NEW MEXICO CHAPTER OF P.E.O.	\$ 250.00
NEW MEXICO DIVISION OF SERVICES FOR THE BLIND	816.00
NEW MEXICO EDUCATION DEPARTMENT	2,550.00
NEW MEXICO FEDERATION SCHOLARSHIP FUND	200.00
NEW MEXICO MEDICAL SOCIETY, WOMENS AUXILIARY	300.00
NEW MEXICO NURSES ASSOCIATION - DISTRICT #1	100.00
NEW MEXICO NURSES ASSOCIATION - DISTRICT #12	100.00
NEW MEXICO NURSES ASSOCIATION - DISTRICT #14	100.00
NEW MEXICO PHILOSOPHICAL SOCIETY ESSAY SCHOLARSHIP	300.00
NEW MEXICO VOCATION REHABILITATION	10,319.50
NORTH AMERICAN INDIAN CLUB SCHOLARSHIP	200.00
NORTH AMERICAN NEW MEXICO REGIONAL SCIENCE FAIR	618.00
NOVITSKI FUND	100.00
NOYES (JESSE SMITH) FOUNDATION	750.00
OKLAHOMA VOCATIONAL REHABILITATION	150.00
ORCHESTRA ACCOUNT SCHOLARSHIPS	768.00
ORDER OF EASTERN STARS - GRAND CHAPTER	173.00
ORGANIZATION OF AMERICAN STATES	701.00
OSOFF (FRIEDA) SCHOLARSHIP	175.00
OSTEOPATHIC SCHOLARSHIP FOR NURSING	300.00
P.E.O. - CHAPTER V SCHOLARSHIP	250.00
PFIZER LABORATORIES MEDICAL SCHOLARSHIP	1,000.00
PHARMACY ALUMNI SCHOLARSHIP	300.00
PHARMACY FRESHMEN SCHOLARSHIPS	375.00

PUBLIC HEALTH SERVICE GRANTS	\$ 687.00
PILOT CLUB OF ALBUQUERQUE SCHOLARSHIPS	984.00
PILOT CLUB OF GRANTS SCHOLARSHIP	37.00
PILOT CLUB OF T OR C	50.00
PRESBYTERIAN HOSPITAL SCHOLARSHIPS	5,500.00
PRESSER FOUNDATION	400.00
PROFESSIONAL BASEBALL COLLEGE SCHOLARSHIP	1,000.00
PROGRESS WOMENS CLUB OF ALBUQUERQUE SCHOLARSHIPS	1,535.00
PULLMAN (GEORGE M.) FOUNDATION	500.00
REIFLER (SAM) SCHOLARSHIP	500.00
RESIDENT HOUSING SCHOLARSHIP	450.00
RIO GRANDE HIGH SCHOOL SCHOLARSHIPS	250.00
RIO GRANDE STEEL SCHOLARSHIPS	1,344.00
RODEY (PEARCE C.) MEMORIAL PRIZE IN LAW	600.00
ROGERS (MILLICENT) FOUNDATION SCHOLARSHIPS	1,000.00
ROYAL THAI EMBASSY	338.50
RUST TRACTOR COMPANY SCHOLARSHIPS	1,000.00
SANDERS (DORA LEWIS) SCHOLARSHIP	50.00
SANDIA BASE WOMENS CLUB SCHOLARSHIP	336.00
SANDIA SAVINGS & LOAN ASSOCIATION SCHOLARSHIPS	700.00
SANTA FE MOTOR COMPANY SCHOLARSHIP	556.00
SARANAC LAKE TEACHER'S ASSOCIATION	450.00
SAUDI ARABIAN EDUCATION MISSION	2,419.00
SCIENCE FAIR PRIZES AND SCHOLARSHIPS	200.00

SCHULTZ (W.H.) SCHOLARSHIP	\$ 100.00
SHELTON (WILMA LOY) SCHOLARSHIP	100.00
SIFONIA FOUNDATION SCHOLARSHIP	50.00
SIGMA CHI MOTHERS CLUB SCHOLARSHIP	336.00
SIMMS TRACK SCHOLARSHIPS	750.00
SIMPSON (WINIFRED)	225.00
SOCIETY OF AMERICAN FORESTERS	100.00
SOROPTIMISTS LAW SCHOLARSHIP FOR WOMEN	200.00
SOUTHERN UNION GAS COMPANY SCHOLARSHIPS	1,000.00
SPAIN AND BATAAN MEMORIAL SCHOLARSHIP	500.00
ST. MICHAEL'S HIGH SCHOOL ALUMNI ASSOCIATION	200.00
STARKE (EARLE) SCHOLARSHIP IN NURSING	84.00
STEWART (KENNY) MEMORIAL SCHOLARSHIP	1,000.00
STUDENT NURSES ASSOCIATION	100.00
TAOS P.T.A. SCHOLARSHIP	200.00
TATUM MUNICIPAL HIGH SCHOOL SCHOLARSHIP	70.00
TEAGLE, (WALTER S.) SCHOLARSHIP IN NURSING	750.00
THETA SIGMA PHI AWARDS IN JOURNALISM	150.00
TOPPINO-GOLDEN AWARD	100.00
TRENTON JR. COLLEGE SCHOLARSHIP	250.00
TRUST TERRITORY OF PACIFIC ISLANDS	1,402.00
UNION FEDERAL SAVINGS AND LOAN	100.00
UNITED ARAB REPUBLIC	615.00
UNITED CALIFORNIA BANK	511.00

UNITED PRESBYTERIAN CHURCH EDUCATIONAL ASSISTANCE GRANT	\$ 700.00
UNITED SCHOLARSHIP SERVICE	625.00
UNIVERSAL CONSTRUCTORS SCHOLARSHIPS	1,400.00
UNIVERSAL OIL PRODUCTS SCHOLARSHIP	150.00
UNIVERSITY OF THE ANDES	300.00
UNIVERSITY DAMES	168.00
UNIVERSITY OF PUERTO RICO	331.00
UNM ALUMNI ASSOCIATION	250.00
UNM ATHLETIC DEPARTMENT	1,524.00
UNM GOLFERS ASSOCIATION	452.00
UNM THEATRE TRAINING SCHOLARSHIP	300.00
VILES FOUNDATION, INC.	1,018.00
WASSON (ALEXANDER VERNER) SCHOLARSHIP IN LAW	750.00
WELCH (VAN S.) - ARTESIA	500.00
WESTERN ELECTRIC FUND SCHOLARSHIPS	400.00
WESTERN ELECTRONIC SCHOLARSHIPS	500.00
WHEELWRIGHT SCIENTIFIC SCHOLARSHIPS	1,222.00
WICHE PROGRAM	7,975.00
WILLIAMS (ERIC) SCHOLARSHIPS	906.00
WISCONSIN VOCATIONAL REHABILITATION	701.00
WOMENS' CLUB OF ALBUQUERQUE	100.00
WOMENS' PHARMACEUTICAL AUXILIARY SCHOLARSHIP	336.00

WOMENS' SOCIETY OF CHRISTIAN SERVICE	\$ 150.00
WURLITZER FOUNDATION SCHOLARSHIPS	700.00
ZONTA CLUB SCHOLARSHIP IN BUSINESS ADMINISTRATION	300.00

TOTAL	\$202,384.50
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Individuals - 586

TRUST FUND SCHOLARSHIPS
1965-66

BALLUT ABYARD SCHOLARSHIP	\$ 150.00
BARBER (CLAYTON AND AGNES) MEMORIAL	150.00
BELL (THOMAS S. AND LOUISE FREEMAN) SCHOLARSHIP	9,900.00
BENNET (PHILO S.) SCHOLARSHIP	50.00
BOTTS (CLARENCE MILTON) MEMORIAL SCHOLARSHIP	250.00
BURKHART-PARSONS MEMORIAL SCHOLARSHIP	800.00
CARSON (CAROLINE THORNTON) MEMORIAL SCHOLARSHIP	1,000.00
CARTER SCHOLARSHIPS	225.00
DAMRON (LOU BEVERLY) MEMORIAL SCHOLARSHIPS	200.00
DAZZO (SAM AND FRANCES JOY) MEMORIAL SCHOLARSHIP	250.00
DOOLITTLE (JAMES M.) MEMORIAL SCHOLARSHIP	50.00
GAUSEWITZ (ALFRED L.) SCHOLARSHIPS	180.00
GRISSE (EDWARD) MEMORIAL SCHOLARSHIP	400.00
GRUNSFELD (ALFRED AND MIRIAM) SCHOLARSHIPS	1,525.00
HAUSNER (ERIC) MEMORIAL SCHOLARSHIP	200.00
HOSHOUR MEMORIAL AWARD	90.00
IVES MEMORIAL SCHOLARSHIPS	600.00
JACKLING (DANIEL C.) SCHOLARSHIPS	6,450.00
KENT (FREDRICK H. AND CHRISTINA) MEMORIAL SCHOLARSHIP	160.00
KIKER (BARBARA) MEMORIAL DANCE AWARD	50.00
LAW SCHOOL ALUMNI SCHOLARSHIP	125.00
LAW SCHOOL TUITION SCHOLARSHIP	400.00

LEONARD (HARRY AND MABEL F.) SCHOLARSHIPS	\$ 750.00
MABRY (THOMAS J., SR.) SCHOLARSHIPS	50.00
MAY (CHARLES T.) MEMORIAL SCHOLARSHIP	250.00
MILNE (JOHN) MEMORIAL SCHOLARSHIP	300.00
MITCHELL (ABRAHAM LINCOLN) MEMORIAL	156.00
NEW MEXICO CONCRETE MASONRY ASSOCIATION AWARD	50.00
PATTON (HAL) MEMORIAL SCHOLARSHIP	50.00
REISIGER (ANNA) SCHOLARSHIP FUND	40.00
ROOSEVELT (ELEANOR) MEMORIAL SCHOLARSHIP	190.00
STATE BAR OF NEW MEXICO SCHOLARSHIP	152.91
UNM CLASS OF 1961	100.00
VAN STONE (BERTHA HURT) MEMORIAL SCHOLARSHIP	100.00
WILKERSON (THOMAS) MEMORIAL SCHOLARSHIP	250.00

TOTAL \$ 25,644.91

Individuals - 106

SUMMARY - SCHOLARSHIPS AND STUDENT ASSISTANCE FUNDS
1965-66

	<u>Individuals</u>	<u>Amount</u>
Tuition Scholarships - Freshman	203	\$ 33,762.50
Tuition Scholarships - Upperclassmen	114	18,900.00
Activity Scholarships - Freshman	110	20,017.65
Activity Scholarships - Upperclassmen	190	44,687.00
Miscellaneous Scholarships	586	202,384.50
Trust Fund Scholarships	106	25,644.91
Honors Program Scholarships	33	11,312.50
M-3 Program	26	29,875.00
Student Assistance Funds	33	2,705.00
TOTAL	1401	\$389,289.56

Annual Report
Office of International Services
July 1, 1965 - June 30, 1966
Gerald M. Slavin, Director

Beginning with the academic year 1965-66, the University hired a full-time Foreign Student Adviser to direct the programs and activities of the foreign students on campus. The need became apparent for this type of development due to the expansion of the foreign student population and a greater awareness for specialized services unique to students from abroad.

The office of the Foreign Student Adviser was designated as a separate division of the University being responsible to the Dean of Students. Similar to other divisions of the University, the office of the Foreign Student Adviser initiated its own budget and fiscal procedures.

There are currently 355 foreign students on campus representing 70 countries.

I. Following are the most significant developments of the fiscal year.

1) In July, 1965, a successful program was carried out by this office hosting a group of eight Swedish students from the Experiment in International Living. A detailed

Annual Report
International Services
Page 2

program was planned and very ably administered by Mrs. Mary Blaine. Home hospitality and visits to nearby places of interest, and receptions were a few of the activities planned for the Swedish group.

2) Upon the recommendation of the Dean of the Graduate School, the Administrative Vice President, and with the concurrence of the Dean of Students, the function of the Fulbright Program Adviser was transferred from the office of the Director of Research Services to the office of Foreign Student Adviser. A panel of professors was convened to screen nine applicants for the Fulbright-Hays awards. Subsequent to an evaluation of each candidate, appropriate recommendations were sent to the Institute of International Education in New York.

3) Registration

A special table was set up in the Johnson Gym to check passports, documents, and the general status of all non-citizens on student visas.

4) Orientation Program

A special foreign student orientation program was planned and executed for the incoming students from abroad. (Copy of full Orientation attached.)

Annual Report
International Services
Page 3

A few of the highlights of the orientation program included a welcoming address by the Dean of Students, the Foreign Student Adviser, and a group of foreign students previously enrolled. The latter discussed foreign student life at UNM. Other services rendered to the new students consisted of a tour of the campus, a slide picture review of the University of New Mexico, an outline of registration procedures, and a foreign student reception.

In November 1965, a special meeting of all foreign nationals including foreign faculty was held to discuss U.S. Income Tax regulations and social security obligations. The Internal Revenue Service in cooperation with the Office of the Foreign Student Adviser presented Mr. H. Palmer and Mr. Gordon Jollenstenn, Chief, Audit Division, Internal Revenue Service to the international personnel of the University of New Mexico. A discussion followed the remarks of the speakers.

In December 1965, an additional orientation meeting was held to hear about the changes in the immigration law. Mr. Henry Hull, Assistant District Director of the Immigration Service, and Mr. Mariano Islas, Officer in Charge of our local immigration office, spoke about the new law as it affects foreign nationals and those desirous of changing

Annual Report
International Services
Page 4

their immigration status.

Both this meeting and the meeting with the Internal Revenue Service representatives were well attended.

5) Visit to State Capitol in Santa Fe

Arrangements were made with the Honorable Jack M. Campbell, Governor of the state of New Mexico for a tour of the capitol in Santa Fe, and an opportunity for foreign students to meet with State officials. The Governor spoke for approximately one hour about the present developments and the future potential of New Mexico. Lunch was served at the La Fonda Hotel followed by a meeting with a State Supreme Court Justice. The students then toured the museum, art galleries, and the Santa Fe Opera amphitheatre. At the conclusion of the trip, the students expressed their appreciation to the Governor and his staff for this unique opportunity and indicated that some of the current activities in New Mexico might well be applicable in their own countries. Governor Campbell sent each student a personal letter of appreciation for the visit and interest in New Mexico.

6) The International Club

The Foreign Student Adviser and his staff worked closely with the International Club in planning and carrying out

Annual Report
International Services
Page 5

its activities for the academic year. During the orientation program, the members of the club helped the new students become acquainted with the campus, the community, and in their overall adjustment to a new culture.

The International Festival was an outstanding success, with an audience in excess of eight hundred; the International Ball was well attended by both the American and foreign students; the three-day trip to Grand Canyon was scenic and enjoyable; and the picnic held this spring at Oak Flats brought together most of the host families and the foreign students.

The International Club, several members of whom were senators and on executive committees, developed a closer working relationship with the student body in general, and the student council in particular.

The club continues to work for an International Center on campus and has drafted a proposal for a Center with the advice and guidance of a faculty advisory board. This proposal was signed by the Dean of the Graduate School, Dean of Students, Dean of the College of Engineering, Chairman of the Government Department, President-elect of the Student Body 1966-67, President-elect of the International Club, and the Foreign Student Adviser.

Annual Report
International Services
Page 6

a) Several sub-groups of the International Club which were established last year on campus continued to expand. Worthy of particular mention are the Arab Student Club and the Indo-American Association.

7) The Host Family Program

The Host Family Program has continued to grow in numbers of families participating. There are about one hundred twenty-five families listed. The foreign students now accept the program as an established fact and part of their experience at The University of New Mexico. The Host Families by and large have expressed their satisfaction with the foreign students and are eager to continue this hospitality which has been an enlightening experience for everyone. The Host Families have participated in foreign student picnics and other international events.

8) Change of Name to International Services

The burgeoning duties of the Foreign Student Adviser's office brought about a change in the designation of the department. The name of the operation is now Office of International Services, more accurately reflecting its function and directed by Gerald M. Slavin, formerly Foreign Student Adviser. The scope of the office expanded greatly

Annual Report
International Services
Page 7

from its former rather limited role in student advisement. It is now involved in a number of government projects including exchange programs, in addition to assisting foreign students and foreign faculty.

9) Regional Fulbright Committee

The Office of International Services was asked by the State Department to coordinate a Regional Screening Committee for Fulbright applicants competing for Latin American grants. There were approximately twelve students interviewed during this period. The meetings were held at the New Mexico Union and included Mr. Edward Purcell, State Department, Washington, D.C., Dr. Cecil Robinson, Professor of English, University of Arizona, Dr. Rod Horton, Colorado Women's College, Colorado, and Dr. Albert Lopes, Professor of Portuguese, The University of New Mexico.

10) Trip to Pueblos

Approximately thirty-five students were invited to several sites of significance in the nearby area. This trip was arranged by Mr. Herbert Greer, Executive Vice President, Burnell Plant on the Laguna Reservation. The students were able to see an electronics plant operated by Indians exclusively and situated on an Indian reservation.

Annual Report
International Services
Page 8

The foreign students chatted with the workers and joined them for lunch.

The tour then continued to the Jackpile Uranium Pit, the largest open uranium mine in the world and the foreign students were able to see the operation of the mine and talk with officials about the present use of uranium.

The highlight of the tour was the visit to the Acoma Reservation, the "Sky City", to see remnants of an archaic civilization.

Upon returning to Albuquerque, the students expressed their appreciation for having been given the opportunity to visit these unique places. It is the general consensus in the Office of International Services that periodic tours of the nearby area should be continued and perhaps expanded.

11) Foreign Student Scholarship Program

In February, the University Scholarship Program for sponsored foreign students was transferred to the Office of International Services. The duties in connection with this program are as follows: coordination of the various foreign student scholarships, determination of qualifications, discussions with professors and students regarding eligibility for scholarship recipients from abroad, arrangement of finances needed to cover scholarships, and transmission of

Annual Report
International Services
Page 9

the prepared scholarship offerings to the Office of Aids for action.

The total University commitment to scholarship programs was expanded to include several more scholarships for students from the African Scholarship Program of American Universities and the Latin American Scholarship Program of American Universities.

12) Conference of University Presidents from Latin America

The Director of the Office of International Services was invited to participate in the annual conference of Latin American University Presidents at The University of New Mexico. As a division administered by the Dean of Students, a detailed explanation was made to the group of the operation of this office followed by a question and answer session.

13) Philosophy of the Office of International Services

A Statement of Philosophy pertaining to foreign students and the University commitment to these students was approved by the President's office and subsequently released to the University faculty and staff.

It is basically a document expressing the interest of the University in international programs and the promotion

of international goodwill and understanding (Philosophy enclosed).

14 Admission Booklet Published for Foreign Students

The Office of Admissions in conjunction with the Office of International Services published two booklets on The University of New Mexico which are being sent to those students from abroad who make inquiries about our program of study.

This innovation in effect has streamlined the University's communication with students from other countries. Please find attached a booklet entitled "Information for Foreign Applicants" with an Academic Calendar and also a booklet entitled "Information for Students from Other Lands Who Have Been Accepted for Admission".

15) Confidential Information for Graduate School

The Office of International Services devised a form to be sent to foreign student applicants from other universities in the United States. When properly completed, this form should aid the Graduate School in making the determination as to whether the applicant is admissible to The University of New Mexico. (Form attached.)

Annual Report
International Services
Page 11

16) State Department Aid to Non-Sponsored Students

A memorandum was sent to this office from the Institute of International Education, a private arm of the State Department, requesting names and forms to be completed by students worthy of additional funds in order to complete their education in the United States. Five applications were submitted to the Institute of International Education, Regional Office in Denver. The Director of International Services was invited to participate in a Regional Selection Committee in Denver, Colorado. All five applicants were awarded amounts ranging from \$900 to \$1200 for the next fiscal year to supplement the cost of their education.

17) Health Insurance Requirements

The Office of International Services urges all foreign students to take advantage of the University supplementary health and accident policy. The foreign students are supplied with a list of reputable automobile insurance companies and are told about requirements of the State of New Mexico for the financial responsibility law.

II. Administrative Appointments to Staff

Mr. Gerald M. Slavin was appointed as full-time Foreign Student Adviser, July 1, 1965.

Mrs. Willmena Kessel
Secretary, January 24, 1966

Annual Report
International Services
Page 12

II. Administrative Appointments to Staff (continued)

Miss Janice Walros
Clerk-typist, September 27, 1965

III. Administrative Separations from Staff

Mrs. Mary H. Blaine
Assistant to the Foreign Student Adviser
January 31, 1966

IV. Future Plans

1) Pre-advisement

The procedures for advisement for foreign students beginning in the fall semester of 1966 were discussed and finalized by the Director of Admissions, Director of University College, and the Foreign Student Adviser.

- a) The Admissions Office will include in foreign student admissions material, a notice that foreign students should plan on being on the campus no later than September 9, 1966, and that they should take the initiative in contacting the Foreign Student Adviser's office as soon after their arrival as feasible.
- b) The Foreign Student Adviser will furnish to the University College a list of all new foreign students who have been admitted to the University College as soon as possible and no later than Tuesday noon, September 13. Also a list of expected returning foreign students who are still enrolled in the University College will be furnished. This list to contain the names of those students who in the judgment of the Foreign Student Adviser still present difficult problem cases regarding academic advisement.

Annual Report
International Services
Page 13

- c) The Foreign Student Adviser will contact and make arrangements for three or four faculty members who will advise the foreign students not only for registration but for their stay in the University College, and upon selection will provide the University College with the names of these advisers.
- d) The University College will provide advisement folders with all available advisement materials to the Foreign Student Adviser by 8:30 a.m. Wednesday, September 14.
- e) The Foreign Student Adviser will assign these students to one of the academic advisers he has selected who will proceed from Wednesday, September 14 through Saturday, September 17 to advise these students and complete official yellow program of study forms for the students.
- f) When the student's designated registration time arrives he will present himself to the University College office for validation of his appointment and registration slip, and upon showing his approved program of studies slip will be sent directly to Johnson Gym for sectioning.
- g) Subsequent to registration the Foreign Student Adviser will supply the list of students assigned to each of the foreign student academic advisers which will be checked by the University College office against the official program of studies of the student registered.
- h) The student will be instructed to see his adviser during the semester when occasion arises in adviser faculty member's regular office.
- i) The Foreign Student Adviser will work out with the Speech Department, and to any extent not presently worked out with the Testing Center, specific procedures for English and Speech placement. The only placement designation that the University College will be responsible for in regard to foreign students will be the standard Mathematics placement.

Annual Report
International Services
Page 14

j) Any change in adviser during the term, whether initiated through the Foreign Student Adviser office or by the usual procedure in the University College office, will be processed through the University College office, and communication to keep the assignments updated will be made between these two offices.

k) Any foreign student who does not meet the scheduled testing dates published by the Testing Center will be considered as are regular students; that is, they will have to take the tests before they can register after making appropriate arrangements with the Testing Center, and they will have to be considered late registrants whereby their registration will take place on September 19, the first day of instruction.

2) The Student Council of the The University of New Mexico appropriated \$1,000 to be used as a loan fund for foreign students and to be administered by the Office of International Services. In the past, students from abroad were unable to receive emergency funds from University sources. It is hoped that with the creation of this new loan fund, that there will be a fairly rapid turnover of money for emergency purposes.

3) Health and Accident Insurance

The Administration is currently investigating the possibilities of making health and accident insurance mandatory for foreign students. In the event of a major illness or accident, the student from abroad must have

proper coverage to defray the cost of his medical expenses. Adequate coverage for the family of foreign students should be available and endorsed by the University.

4) International Center

President Popejoy is considering the advisability of authorizing a committee to study the possibility of an International Center, including sources of financing a center, making preliminary inquiries, and drafting a financial proposal for possible submission by the University to an appropriate foundation or government agency. The students, foreign and American, will hopefully work towards the realization of an International Center.

5) Latin American Exchange

The Mexican Consul, the President of the University, the Director of Latin American Area Studies, and the Foreign Student Adviser have discussed the feasibility of establishing a direct cultural exchange program with the University of Chihuahua in Mexico. It is hoped that in the near future a program of cultural exchange will be established.

6) Orientation for Host Families

A program of orientation for Host Families will be scheduled for two consecutive evenings. The purpose of

Annual Report
International Services
Page 16

these meetings is to acquaint the Host Families with foreign students in general, and to discuss unique situations which might arise. There will be ample time for questions and answers.

7) Waiver of Out-of-State Tuition for University-Sponsored Foreign Student Scholarship Recipients

A memo was recently sent to Dr. Sherman E. Smith, Vice President, requesting him to urge the legislature to approve the waiver of out-of-state tuition for foreign student scholarship recipients in the same manner as it was approved for the non-resident graduate assistants. A list of arguments in favor of this request was submitted in the hopes of having the petition approved. In the event approval is obtained, the foreign student scholarship program will be greatly enhanced.

8) Exchange Visitors Program

Administration of the Exchange Visitors Program will emanate from the Office of International Services as of July 1, 1966. Mrs. Betty Carroll will continue to head up the volunteer organization which has been established for the purpose of entertaining foreign visitors. In the past year, approximately seven hundred foreign visitors were programmed by Mrs. Carroll.

Annual Report
International Services
Page 17

9) Outside Activities Attended

NAFSA Regional Conference at the University of Nebraska,
October, 1965

NAFSA Field Service grant to visit Kansas University
and observe the Foreign Student Program, November,
1965.

TOYL Conference in Denver, participating in the selection
of worthy students for State Department Supplemen-
tary grants, March, 1966

Visit to Washington, D.C. to discuss various matters
of mutual interest with:

Mr. Elton L. Johnson, National Association of State
Universities and Land-grant Colleges

Mr. Alvin W. Ahrens, Department of Health, Education
and Welfare

Mr. Edward T. Purcell, Department of State

Mr. Ben Posner, U.S.I.A.

Mr. Phillip Metzger, Government Affairs Institute

Dr. John W. More, A.I.D.

Mrs. Elizabeth Shiver, American Council on Education

Mrs. Ruth D. Wehle, Community Relations Officer, A.I.D.

Speaker at:

Lions Club, Altrusa Club, Latin American Desk.
Frequent meetings with international visitors.

FOREIGN STUDENT ORIENTATION - FALL 1965

Monday, September 13

- 3:30 p.m. - Special English Tests for Foreign Students
Anthropology Building, Room 101

Tuesday, September 14

- 8:30 a.m. - Welcome
Dr. Harold W. Lavender, Dean of Students
Mr. Gerald M. Slavin, Foreign Student Adviser
Foreign Students previously enrolled
New Mexico Union Building, Room 253
- 10:00 a.m. - Discussion of foreign student life at UNM
- 11:00 a.m. - Speech test
Speech Building, 1801 Roma Street, N.E.
- 1:30 p.m. - Tour of campus, conducted by UNM students.
Meet on lawn west of Foreign Student Adviser's
Office, Building T-10, 1910 Roma Street, N.E.

Wednesday, September 15

- 8:30 a.m. - All University College Students
Speakers from the student body
Johnson Gymnasium
- 2:00 p.m. - Slide-picture review of University of New Mexico
Michael Laine, Director, Alumni Relations
New Mexico Union Building, Room 231

Thursday, September 16

- 8:30 a.m. - Outline of registration procedures
Lance Woodliff, Director of Registration
New Mexico Union Building, Room 253

Sunday, September 19

- 7:30 p.m. - All Foreign Students Reception
New Mexico Union Building, Grand Ballroom

IMPORTANT NOTICE - ALL FOREIGN STUDENTS

Please have your passport with you at the time of Registration,
Johnson Gymnasium

THE UNIVERSITY OF NEW MEXICO

A Statement of Philosophy

January, 1966

The University of New Mexico has committed itself to the encouragement of students from abroad because their presence is beneficial to the University, the student body and to the national as well as international interests of the United States. The international university program helps as a check against provincialism and provides a living reminder of the important fact that the pursuit of knowledge has always transcended the boundaries of state and nation. Association with students from other lands is an integral and invaluable part of the educational process of American students who seize the opportunity. Also, the specialized knowledge and the new attitudes that the foreign students gain from a beneficial program of study at the University - apart from their own personal enrichment - must be considered an important contribution to genuine international cooperation in the building of a peaceful and better world. Although the foreign and the American students may have different cultural, social, and economic backgrounds, students the world over will, in general, be found to be very much alike in their hopes and aspirations.

The University family realizes that students from other countries have special problems in both academic and non-academic matters in attempting to realize these aspirations. In some instances, they bring problems from their own homes which they cannot overcome. While one student may adapt himself immediately to the new environment, another may never quite make the adjustment. The severity of these problems varies depending on the country from which the student comes, his personality and background. In order to help the international students in the best possible manner, it is necessary to have clearly defined responsibilities in the international student program to ensure that (1) students, faculty, and the community are aware of them; and (2) proper and timely referrals to the appropriate services may be made as needs arise. Toward this end, the staff of the Office of International Services acts in a liaison capacity with faculty and administrative departments of the University on behalf of the foreign student in many matters. The staff also endeavors to assist the student from abroad by counseling with him and by encouraging him to use services such as academic advising, student health, counseling, testing, housing, financial aid, and employment. Most of these services are unique to the American university. While orientation programs help to publicize the availability of these services, individual counseling is often needed to help a particular foreign student use one or more of them.

In a long-term sense, however, the foreign student program aims at helping to bring about a true transfer of desirable cultural and

A Statement of Philosophy

Page 2

intellectual values. Many of the foreign young people who are with us today will be making history tomorrow in the countries from which they come. It is important that they return to their homes well equipped with technical knowledge and skills for the tasks that await them. It is equally important that they go with a genuine understanding of America and Americans. The hope is that such a program would play a significant part in the promotion of international goodwill and understanding.

TO BE COMPLETED by the Foreign Student Adviser at the institution in which you are presently enrolled or last attended and returned to Foreign Student Adviser, The University of New Mexico, Albuquerque, New Mexico. 87106

THE UNIVERSITY OF NEW MEXICO
Albuquerque, New Mexico

CONFIDENTIAL

Date: _____

NAME _____ HOME COUNTRY _____
Last First Middle

ADDRESS IN HOME COUNTRY _____

ADDRESS IN U.S. _____

STUDENT'S SIGNATURE _____

The above named Foreign Student, already in the United States, is applying for admission to The University of New Mexico. We need additional information concerning his visa and student status before our Admissions Office can act upon his application. Will you please fill out the form below and return it to me with any additional comments you care to make.

Sincerely yours,

Gerald M. Slavin
Gerald M. Slavin
Foreign Student Adviser

+++ Section I. Personal Data +++

Date of Birth _____ Sex _____ Visa Type _____

School issuing document (I-20 or DSP 66) used to obtain entry into U.S. _____

If Exchange Visitor, indicate sponsor _____

Country issuing passport _____

Port of Entry into U.S. _____

Date admitted to U.S. _____

Date of Expiration of current stay (as shown on I-94 -- white slip stapled in passport) _____

+++ Section II. Financial Information +++

Source of student's financial resources _____

List scholarship, fellowship, or assistantship student has received from your school.

Type AidPeriod CoveredAmount

+++ Section III. Other Information +++

Foreign Student Adviser's opinion of:

English Proficiency: Excellent ____ Good ____ Average ____ Below
Average ____

English Proficiency Test: Name of Test _____

Result of Test _____

Does the student's behavior at your institution qualify him (or her) to continue there in good standing? Yes ____ No ____

Do you believe that the student has problems of adjustment and/or personality that may cause difficulty after transfer? Yes ____ No ____

Comments:

Major Subject student intends to pursue at The University of New Mexico _____

Applicant will be a: Graduate Student ____; Undergraduate Student ____

Student's reasons for desiring to transfer to The University of New Mexico:

Do you consider the proposed transfer advisable?

On the basis of this student's academic and behavior record, do you recommend this student for transfer to The University of New Mexico?
Yes ____ No ____

Seal *

Signature _____
(Foreign Student Adviser)

Date _____

Institution _____

THE REPORT OF KNME-TV, CHANNEL 5

July 1, 1965 - June 30, 1966

F. Claude Hempen, Director of Television

On May 1, 1966, KNME-TV, Channel 5, entered its ninth year of broadcasting television for educational purposes to viewers throughout New Mexico.

The station's license is held by the Board of Regents of The University of New Mexico and the Board of Education of the Albuquerque Public Schools. It is operated in cooperation with the New Mexico State Department of Education.

The schedule for the 38 week academic year (Labor Day to Memorial Day) averages more than 13 hours per day, Monday through Friday. For 14 weeks in the summer months, the schedule is reduced to five hours a day, five days a week.

UNIVERSITY OF NEW MEXICO TELECOURSES

HUMANITIES (Philosophy 101 and 102) was broadcast again for the seventh consecutive year. The principal instructor and host for the series was once again Dr. H. G. Alexander of the Department of Philosophy. Various lecturers from departments throughout the University appeared on the programs. The hour-long programs were broadcast twice each week -- Monday and Wednesday at 8:00 p.m., and Tuesday and Thursday at 11:30. The morning broadcast was a

repeat of the preceding evening presentation. Television broadcasts were complemented for those viewing them for credit by once-a-week periods of discussion in the classroom.

INTRODUCTORY CIRCUITS (EE 202) course in introductory electrical and mechanical circuits was taught for its third semester. Dr. Donald C. Thorn, professor of electrical engineering at UNM was the television teacher. The individual programs were broadcast each Monday and Friday at 11:30 a.m. with a videotaped repeat of the same program at 4:30 p.m. on the same days. Students enrolled in this course also attended one classroom quiz session each week.

TELECLASSES FOR THE ALBUQUERQUE PUBLIC SCHOOLS AND THE
NEW MEXICO STATE DEPARTMENT OF EDUCATION

GENERAL SCIENCE 9. This was a weekly program of science instruction for junior high students in the ninth grade. To accommodate class schedules, the program was telecast seven times each week. In addition, a Friday evening broadcast provided a preview of the next week's program to give the teachers time to prepare. This series was also shown on the CBS affiliate, KROD-TV, in El Paso, as well as for in-school use on KCSD-TV in Kansas City, Missouri. George Fischbeck was on-camera teacher.

SCIENCE SIX, a twice-a-week 20-minute program of science instruction for the sixth grade, and the supplementary SCIENCE FARE SIX, with George Fischbeck as science teacher were broadcast.

SCIENCE FIVE, this year an Ohio State Award Winner for excellence in programming for the in-school use of elementary school

children, presented supplementary science instruction for grade five throughout the state. Its supplementary program, SCIENCE FARE FIVE, was also in its third year. Again, George Fischbeck was on-camera teacher.

MUSIC SIX, taught by Mrs. Nancy Johnson, provided music instruction to sixth grade students for its third year. The broadcasts were 20 minutes in length and were seen twice each week.

MUSIC FIVE was taught by Mrs. Kathleen McVicker for fifth grade students for its fourth year. It was broadcast twice each week in 20-minute segments.

MUSIC FOUR, a twice-a-week 20-minute program of music instruction for the fourth grade taught by Mrs. Jeanne Hook, completed its fifth year. The emphasis in all music teleclasses was on note reading and pupil participation rather than music appreciation.

ELEMENTARY MUSIC ORIENTATION. In-service training for teachers (1 hour), for Albuquerque Public Schools orientation session, and repeated for statewide utilization.

ELEMENTARY SCIENCE ORIENTATION. To improve classroom utilization of teleclasses.

HABLEMOS ESPANOL, the beginning course in conversational Spanish, was taught by Alfred Chavez. The programs in beginning Spanish, now in their seventh year, were first broadcast in the late afternoon for home viewers, and then again mornings for in-state school utilization.

BETTER DRIVING. A better driving program was inaugurated in February 1966 to attempt to use a mass medium to solve a mass education problem. The Albuquerque Public Schools anticipated 6,000 students at the sophomore level would apply for driver training. The lecture portion of the course was broadcast at 5:30 in the evening. The on-camera teacher for the program is Virgil Horne. Also related to the Driver Training program via television is a new concept in driver training called the driving range. The University of New Mexico cooperated with the Albuquerque Public School System by permitting the driving range to be conducted on the parking area adjacent to the west side of the stadium. On this range the student is placed in the car solo from the very beginning and is taught to drive via voice communication. This type of range attempts to solve the mass education problem by permitting one instructor to teach twelve students at one time rather than using the old method of teacher and student on a one-to-one basis in one automobile.

GENERAL PROGRAMMING (LOCALLY PRODUCED)

TV KINDERGARTEN, with Mrs. Joyce Marron, existed as the only kindergarten instruction received by thousands of pre-school children in New Mexico during the 1965-66 school year. The series is designed to prepare the pre-school child with readiness skills for his first years in school. One-hundred-ninety 30-minute programs were broadcast each afternoon and repeated the following morning. A tape network broadcast the program, including Athens, Ohio; St. Paul and Duluth, Minnesota; Portland and Corvallis, Oregon; Moscow, Idaho; Carbondale, Illinois; and Austin, Texas.

This year the series achieved its third national award as it was recognized for excellence in local programming for children by National Educational Television. Although three such awards could have been given, the judges chose to extend this recognition to TV Kindergarten alone.

SHIRTSLEEVE SESSION, a weekly 30-minute program of informal discussion of current topics. This program features guests from the University and the Community in real discussion. KOB-TV regularly rebroadcasts the programs each weekend, and KROD-TV, El Paso, carried the series in April and May.

GREAT DECISIONS 1966, produced in cooperation with the Albuquerque Great Decisions Committee and the Foreign Policy Association, provided informed discussion on the basic foreign policy questions facing the U. S. It was broadcast during an eight week hiatus period for Shirtsleeve Session. KOB-TV in Albuquerque and KROD-TV in El Paso both rebroadcast this series, as well as KGIW Radio in Alamosa, Colorado.

VIOLIN SONATA, Violinist Henri Bittar played seldom heard but highly listenable music from the sonata literature for violin on this 12 program series of music performance. In these half-hour programs, also seen on WILL, Urbana, Illinois; KTCA-TV, St. Paul, Minnesota; and KROD-TV, El Paso, Mr. Bittar was accompanied by pianist Marilyn Beebe.

CHANNEL 5 REPORTS, a weekly 30-minute documentary presentation of various aspects of life in New Mexico and interviews with distinguished

visitors to the state continues, as does SSS, throughout the summer months. This is also rebroadcast on KOAT-TV in Albuquerque.

NEW MEXICO OUTDOORS, a weekly program of news for sportsmen, featured Jack McDowell of the New Mexico Department of Game and Fish. The program was also shown over KOB-TV, Albuquerque; KBIM-TV in Roswell; and KROD-TV in El Paso.

CONVERSATION. 14 half-hour programs during the summer hiatus in Humanities, Dr. H. G. Alexander invited a guest each week to sit and talk informally. Sole criteria for guest selection was that he be an interesting person deeply committed in his concern for the topic of CONVERSATION. Some programs in the series were also broadcast on KTCA-TV, St. Paul, and KTXT-TV, Lubbock.

PRESS CONFERENCES. KNME continued and expanded its political press conference format. U. S. Representative Tom Morris appeared with leading New Mexico newsmen during a congressional recess. A new series of Legislative Press Conferences during the session brought Governor Campbell, State Representatives Roberts, Black, Mattson, Martinez, and Fettingner, and State Senators Gallagher, Skeen, Neal, and Morgan to discuss the primary legislative issues. Candidates Press Conference was renewed before the May primary and presented all four gubernatorial candidates meeting the questions of key newsmen, while a Perspectives Special features the three Lt. Governor candidates just before the primary. Both Candidates Press Conference and the Special were repeated on Channel 5 and rebroadcast on the weekend by KGGM-TV, Albuquerque.

SOMETHING BORROWED. Folk music with Sonja Gay, 40 quarter-hours for supplementary use in elementary music, scheduled just preceding Music 5. Also seen throughout the year on KOAP-TV, Portland, and KOAC-TV, Corvallis.

SCIENCE FARE - WHAT'S NEW. Ten 17-minute segments for NET'S syndicated series, run in 110 affiliate stations from September through December, 1965.

THE ARTS. 30 half-hours with Ralph Berkowitz, KROD-TV, El Paso, and KTXT-TV, Lubbock.

DENTAL HEALTH SPECIALS FOR TEACHERS. Half-hour in-service training in cooperation with Albuquerque Public Schools, Albuquerque Dental Association, and New Mexico Dental Association.

LOBO BASKETBALL. Four 2-hour remotes, Johnson Gym closed circuit to Student Union Building -- closed circuit feed BYU game to Provo, Utah; feed BYU game for delay KSL-TV, Salt Lake City; Texas Western game for delay KROD-TV, El Paso.

There have been more than 2,400 hours of broadcasting on other stations during fiscal year 1966.

FUTURE PLANS

KNME Television plans to occupy its new transmitter building atop Sandia Crest some time in September, 1966. Equipment is arriving daily and will be installed before school starts in the fall. The new studio building is now being planned through the University Architect's office. A grant-in-aid in the amount of approximately \$400,000 was received from the Department of Health, Education, and Welfare under the provisions of the Broadcast Facilities Act.

ANNUAL REPORT

The Report of the Data Processing Center

July 1, 1965 - June 30, 1966

F. Parker Fowler, Jr., Director

Because the UNM Data Processing Center serves two functions, education and administration, this report will consider them separately. The Appendix describes utilization of the 1401.

EDUCATION

The UNM Data Processing Center provides four kinds of educational "outputs":

1. In-depth training in data processing through the Data Processing Training Program;
2. Academic instruction (within the College of Business Administration) in data processing fundamentals and computer programming, both graduate and undergraduate;
3. Test scoring and analysis for the University at large; and
4. Key punch and card processing facilities for users (open shop).

In August, 1965, four students out of the first class of 24 were certified upon completion of the 14-month curriculum in the Data Processing Training Program. Two additional students were certified in January upon completion of required academic work. Of the six, three have been employed by the DPC as programmers and teaching assistants while completing

work toward their degrees. The attrition rate for the first "class" of this program was 75%, although a number of the drop-outs have apparently gone to work in data processing. All but five of those students lost were lost because of poor academic performance.

Twenty-seven students, selected from perhaps seventy-five applicants, were enrolled in June of 1965. Twenty-one of these were expected to return this summer (1966) to complete the program; sixteen did return. Four of the students not returning have taken jobs in data processing. It is hoped that our "output" will thus treble that of our first year's effort.

In June, 1966, the third class of sixteen students was enrolled. Observing the same reasonably successful selection criteria used in 1965, the smaller class size is attributable to a reduction in demand among admissible candidates (applicants admissible to the UNM without deficiencies).

The high attrition and apparently slackening demand for a terminal program of this type support the contention that training for a career in this field might better be given in the upper division of a degree program. There seems to be prevalent a common notion that "data processing" is a field which anyone can master, regardless of intellectual endowment or motivation. This notion runs counter to that of "computer-oriented" work, which commonly evokes just the opposite conclusion. The truth lies somewhere in between these extremes; recognition of this fact might compel the inclusion of a degree option in systems analysis in the College of Business Administration.

In an attempt to provide the undergraduate student working toward a business degree (as well as other interested students) with enough background for drawing informed conclusions about the nature and requirements of data processing work, members of the DPC staff teach and assist in one introductory course in the field (BA 202 - 3 credits). We operate on the well-accepted assumption that the only way to understand the computer, its capabilities and limitations, is to learn to program it, i.e., speak its "language". Computer languages have become much more easily learned; the time invested by the student is considered to be minimal when measured against the potential value to be received both in principle and application. Some 300 students were served during the regular academic terms.

At the graduate level, students in the MBA program are also required to learn to program, although in greater depth than the undergraduate. In the required courses BA 500-501 (Quantitative Analysis I, II), the student learns (as only part of the course requirements) to use the computer to solve problems, many of which could not feasibly be solved without the machine. In a very real sense, the student learns to use the computer to teach himself; the machine is a difficult task master, for it punishes and rewards by the strict rules of perfection. Yet it reflects, like an honest mirror, the individual performance of the user, a feat which other agents of modern pedagogy find it difficult to do.

The standard test-scoring service attracted many users, effectively reducing the time required of graduate assistants in this odious activity. The order of magnitude of reduction

is apparent in the comparison of time required to grade and post 1,000 psychology examinations: 257 man/hours versus 1 machine hour. The service also provides an individualized description of performance, as well as a description of class performance (item analysis) and other statistics useful for assessing grades. This service has been expanded to include desirable features not feasible before the 1401 core size was increased from 8K to 12K characters.

The unit record facilities of the Center have been used extensively by many departments on an open-shop basis. In addition to Business Administration students, graduate students in the College of Education have made considerable use of the keypunch facility in particular.

ADMINISTRATION

The Data Processing Center's systems staff has continued to improve existing procedures and initiate further elements of what hopefully may become the "Total Information System" for the University. Registration procedures and student record accounting have been refined to an effectively functioning subsystem. By-products of this system are continually being added; significant, for example, has been the compilation of a student progress report for University College Advisors. This report provides the advisor with cumulative and projected grade/credit point information for each advisee, in addition to other placement information. This service can be extended to other colleges and departments as soon as the necessary criteria are established by those agencies.

Among other projects have been continuing work on a re-systematization of Alumni Records, completion of a system for storing and retrieving qualifications and placing teachers for the Placement Bureau, an analysis program for Peace Corps testing, and a new procedure for automobile parking control for the Department of Campus Security.

Our attempts to initiate systems for the Comptroller's Department have been less successful. A basic directory file of all UNM employees was created, from which the Directory was printed. Plans to augment this file with payroll data preparatory to implementing a new payroll system have been delayed by the press of affairs in the Payroll Section. The schedule for completion of this initial phase has been slipped from 1 July, 1966, to 1 January, 1967, due to the infeasibility of conversion at other than fiscal or calendar year-end. The proposed payroll system is anticipated to save the University at least \$25,000 per annum out-of-pocket expense, in addition to relieving the bulk of the clerical chores in salary administration and budgeting. Timely completion of this effort is required in the face of an ever-growing staff and the addition of the many students, and their record-keeping requirements, in the new work-study program.

STAFF

No administrative appointments to staff were made during the year. Effective 30 June, 1966, Robert E. Brinkmoeller, Lecturer in Data Processing (and Programmer) resigned to

became Director of Data Processing for Bernalillo County.

Staff as of 30 June, 1966, were:

F. Parker Fowler, Jr., Director
Jack H. Feise, Manager
Sanford Abrams, Systems Analyst
James Armijo, Computer Operator
(appointed 10/20/65)
Richard A. Beauchamp, Jr. Programmer
(appointed 10/1/65)
Joyce Marie Bowers, Key punch Operator
(appointed 4/1/65)
Robert E. Brinkmoeller, Lecturer/Programmer
(terminated 6/30/66)
Jannie Lee Crawford, Key punch Operator
(appointed 2/21/65)
Virginia S. Dorn, Secretary
(appointed 10/11/65)
Sue Ann Druffel, Key punch Supervisor
John L. Duggan, Systems Analyst
Robert R. Jeffrey, Sr. Systems Analyst
John C. Kurtz, Jr. Programmer
(appointed 8/1/65)
Ernest Lucero, Lead Computer Operator
Clarice A. Wesley, Sr. Key punch Operator

Staff appointments and terminations during the year:

Dorothy M. Bakke, Key punch Operator
(appointed 10/4/65; terminated 12/23/65)
Barbara Ann Favour, Secretary
(appointed 7/28/64; terminated 8/20/65)

Gerald R. Huey, Computer Operator
(appointed 7/1/65; terminated 10/8/65)

Gloria Matthews, Key punch Operator
(appointed 1/1/65; terminated 2/16/66)

Evanell Molzner, Sr. Key punch Operator
(terminated 9/30/65)

Wayne Clayton Moore, Machine Operator
(appointed 12/14/65; terminated 2/28/66)

Sarah E. Odom, Secretary
(appointed 8/23/65; terminated 9/30/65)

PUBLICATIONS

Locally produced descriptions of some of our systems, notably grade reporting, have been distributed to interested institutions upon request. This system is expected to be published by IBM Corporation as an Application Manual which will be adapted from Mr. Feise's original presentation to the 10th (1966) annual College and University Machine Records Conference.

Mr. Fowler's activities in this regard are included in the College of Business Administration Report.

PROFESSIONAL ACTIVITIES OF STAFF

Mr. Feise was awarded the title of "Certified Data Processor" by the (international) Data Processing Management Association. Placing high among those who passed the qualifying examination, Mr. Feise was asked to serve on the testing committee for the 1967 examination. He joins Mr. Fowler and Mr. Jeffrey in this regard. The UNM Data Processing Center staff accounts to date for about 11% of the certificates known to exist in the State.

Mr. Feise served during the year as President of the Central New Mexico Chapter of the Data Processing Management Association; Mr. Fowler as Vice-President, and President-elect. Mr. Fowler planned the survey course in data processing for (100) high school students, in which Mr. Feise and Mr. Jeffrey served as instructors. This offering of the DPMA was apparently highly successful. Mr. Fowler also served as general chairman of the data processing machinery exhibits held in May at the Civic Auditorium.

Mr. Feise is general chairman of the 12th Annual College and University Machine Records Conference to be held in Albuquerque, hosted by the UNM, in April, 1967. An annual conference, more than 800 institutional data processors and administrative personnel are expected to attend. Mr. Fowler is general program chairman.

Mr. Fowler serves on the Governor's Advisory Committee for Automated Data Processing, a group that has been particularly active during the past year. He also served on the UNM Computer Center Committee, and is a member of the Bernalillo County Advisory Committee for Data Processing.

LOOKING AHEAD

As implied above, the destiny of the education function now performed by the Center is unclear. Our "lease" in the College of Education Building is expected to expire by September, 1967, at the latest. Two possibilities for relocation of Center activities exist: the Research Computer Facility (to become the Computer Center at some date), or

the Administration Building. There is no compelling reason for moving the DPC to the Computer Center, while there are important reasons for placing this activity within the spatial environment which it is to serve, i.e., the Administration Building. (Our dislocation from the Comptroller's Department must be partly to blame for failure to meet system schedules during the year past.)

The destiny of the 1401 computer as a University-owned machine seems clear: it is paid for, and the contract under which it was purchased at substantial discount (60%) runs til December, 1968. Should the University sell it, the discounts become payable to IBM Corporation. Net return to the University would not exceed \$25,000 at this date, while the market value of this machine (which is still in production) still exceeds a quarter of a million dollars. The UNM 1401 configuration is very powerful and capable of handling data processing needs for a long time into the future. Due to the nature of these requirements (much input/output of cards and printed copy), it would probably be improper to shift this load to the Model 360.

Further complicating this issue is the place of data processing in the curricula and programs of the College of Business Administration (and Bureau of Business Research) in view of that College's move to a new building planned for 1967. The College may wish to move vigorously in the direction of "computer-assisted administration", an eminently important direction in view of modern and predictable developments in this field. Schools and

Colleges of Business which have made this move recently have found it necessary to dedicate medium-sized hardware within the school, even with large computer center facilities also available. Whether the necessary job can be accomplished with remote terminals remains to be seen; online, remote operation is both expensive and untested as a teaching apparatus in Business Administration. However, the problem needs exploration since industry is obviously far ahead of the Colleges in this important respect which is making fundamental changes both in the theory and practice of Administration.

In any event, it is clear that substantial analysis and decision making will be required in the near future concerning these basic problems.

Nearer at hand are the plans for the coming year. The educational function will remain substantially the same, in the light of a dearth of people to extend our outreach. An added attraction to the Data Processing Training Program will be offered in cooperation with the New Mexico State Department of Automated Data Processing to students completing the program this August. In order to maintain their skill level and extend their knowledge while continuing toward a degree, they (program trainees) will form a part-time work pool in Albuquerque to assist the DADP in conversion of systems to third generation hardware. We have high hopes for this plan of mutual benefit to student and State. It is all the more important in consideration of the extreme difficulty encountered by the DADP (or any-

one, for that matter) in finding people with the necessary qualifications for this work.

With respect to administrative services, all general systems programs written in the last two years are to be analyzed, redesigned, and integrated into pseudo-operating systems in COBOL source language. The exigencies of producing running systems in the past coupled with the lack of efficient compiling capabilities precluded this effort. With the System 360 available, it is feasible to write in COBOL, since programs can be debugged at least five times faster on the 360 than on the 1401. All new programs since April have been, and will continue to be written in that language (until a more suitable language becomes available, of course). The purposes of redesign are manyfold: 1) to achieve a level of documentation not possible in Assembly language; 2) to design the University system data base in more general terms in view of eventual "total system" implementation; 3) to simplify operating procedures by integrating programs in the same "family" of applications; 4) to render the systems machine-independent, so that flexibility in decision making is gained by not being tied to a single machine type; 5) et. al.

It probably should be pointed out that the 1401 will probably have to be used as the object machine for University systems for at least two years, or until that time when the Computer Center has hardware time-sharing and multi-processing capability. The normal workload in the DPC for administration now exceeds a full shift (See Appendix A); perhaps

50% of this production runs print-bound, i.e., output is limited by printer speed. Thus the System 360, with print speed less than twice that of the 1401, might be unduly committed to at least a half shift (and probably prime shift) of printing. This would be a poor use of the 360.

Planned applications beyond redesign include the payroll project at the top of the list. At least two analysts (out of three) and one part-time programmer (out of three) must be assigned to this task. With ACT data available to the University (on magnetic tape), we should like to extend student record work to the admissions and placement area. However, one of the remaining part-time programmers is committed to the Development Office project, which is considered to have high priority. Redesign and conversion will require most of our Senior Analyst's time, deducting his necessary attention to usual shop detail. Thus, our progress will necessarily be limited primarily to extensions of work already begun. A judicious use of our "home-made" student programming talent may allow us to pursue some additional applications, within the constraints of our budget.

Although another entire year has passed, many of the observations made in last year's report continue to be evident at this time. Upon re-reading that sometimes truculent document, we must admit, that while the year was productive at the "output" level (both work produced and students trained), we have failed to achieve at the "input" level the hoped-for integration of our purposes into either the administration of the UNM or the curricula of the College of Business Administration.

This is no self-flagellation; the resources of the Center in education alone produced over 13,600 student non-credit clock hours in technical data processing instruction, over 600 student credit hours in undergraduate instruction, and some 200 student credit hours in graduate instruction. Including monies budgeted from the College of Business Administration, our instruction cost was \$23,000, of which \$15,500 was returned from the State in support of the Data Processing Training Program. If clock hours substitute for credit hours in the ratio of 3 to 1, and no distinction is made on the basis of class (graduate/undergraduate), the net instructor cost to the UNM of this activity approximates 70¢ per student credit hour. We hope its value exceeded its cost. (A suspect measure of value might be the imputed commercial cost of computer time used by students: \$89,000, at \$100 per hour. Arithmetic sleight-of-hand produces a "total value", based on 1401 clock time alone, of \$363,600 for the entire DPC operation.)

These figures are of course spurious, and divert us from the real problem of our "opportunity" value to the University. Our hope in the year(s) to come is that we shall be able to demonstrate that value, rather than remonstrate over our failure to do so.

* * * * *

1966 1401 UTILIZATION REPORT

<u>Account Number</u>	<u>Clock Hours</u>	<u>Activity</u>
010-015	1.8	Student Health Service
011-003	578.6	Comptroller (A/R, Cash, P/R, INS, GRANTS)
011-004	3.4	Dean of Students
011-005	1117.8	Admissions & Records
011-006	9.3	Deans of Men & Women
011-007	2.5	Alumni Association
011-008	14.9	Dept. of Information
011-010	5.3	Telephone Service
011-012	6.6	General Placement Bureau
011-013	15.4	Non-Academic Personnel
011-027	112.3	Data Processing - Administrative
011-031	1.1	Admin. V.P.
012-001	40.1	Acad. V.P.
012-003	1.6	Institutional Research
015-000	19.5	College of Education
015-008	.5	Educ. & Admin. Services
020-001	.3	College of Nursing
021-001	35.6	University College
022-001	5.5	AFROTC
022-002	2.0	NROTC
022-017	1201.2	Data Processing - Instructional
023-003	5.1	Computer Center
023-008	74.3	Bureau of Business Research

Account Number	Clock Hours	Activity
026-003	41.3	Library of Medical Sciences
290-648	2.1	US Dept. HEW OEO (Air Force)
999-001	50.8	Maintenance
999-003	52.5	DownTime
999-099	6.5	Public Service
999-101	8.8	Air Force OSR
999-120	205.3	County (Bernalillo)
999-121	.4	AVC

Summary: Total Clock Hours 3636

Average/month 303

Use as Percent of Total Clock Hours

Education	33% (See next page)
Registrar Ad. & Rec.	30%
Comptroller	16%
County	5%
Admin. DP	3%
Huber	1%
Academic VP	1%
Med. Library	1%
DownTime	1.5 %
Maintenance	1.5 %
Miscellaneous	7%

Breakdown of 022-017 (Education) in Clock Hours

BA 101	140.2	
BA 106	28.7	
BA 500	185.4	
BA 501	195.1	
BA 521	13.5	
BA 599	<u>21.0</u>	<u>583.9</u>
DP 011	84.8	
DP 016	35.0	
DP Misc.	<u>155.5</u>	<u>276.3</u>
Subtotal to instruction		860.2
KOB	67.4	
Mark-sense Test Scoring Service	148.9	
Systems (Student %)	39.6	
Misc.	<u>85.1</u>	<u>341.0</u>
Total Instructional Clock Hrs.		1201.2

INTRODUCTION

The Development and Alumni Offices have managed to stabilize their personnel during this year. The resulting improvements in projects and programs of the Department will, we believe, be borne out in this Annual Report for the year 1965-1966.

The Development Program continues to evaluate its efforts against these goals:

1. To gain increased acceptance with the publics, vital to the University;
2. To obtain the quality and quantity of students necessary to assure a student body of high calibre;
3. To seek increased funds for UNM's current operations and capital growth.

Mrs. Janice Hubbard was employed as Records Clerk on July 15, 1965, to replace Miss Dee Ann Dumas who terminated on that date. Mrs. Louise Jo Stewart, Secretary to the Director of Development, resigned and was succeeded by Mrs. Georgie E. Cound on August 2, 1965. Amos Atencio became Mail Clerk on September 13, replacing David Williams, whose last day of employment was August 31, 1965. In turn, John Del Mar was hired on January 19, 1966, replacing Mr. Atencio who terminated that same date. Mrs. Jeanne B. Croft was employed as Secretary to the Director of Development on December 20, 1965. Mrs. Cound resigned that date. Mrs. Toni Bailey substituted for Mrs. Croft for the period April 1, to April 22, 1966, while Mrs. Croft recuperated from injuries.

ALUMNI RELATIONS

The Board of Directors of the Alumni Association met on the following dates during fiscal year 1965-1966:

<u>DATE</u>	<u>ATTENDANCE</u>
November 19, 1965	43
February 12, 1966	34
May 15, 1966	17

Membership of the Board of Directors of the Alumni Association is inserted as Appendix "A". Noteworthy action and legislation enacted by the Board of Directors:

- Development of policies to govern certain administrative problems faced by the staff.
- Received \$3,400.00 from the Greater UNM Fund for the 1966 High School Achievement Awards program.
- Approved the application for, and granted a charter to the UNM School of Law Alumni Club.
- Amended the Bylaws to stabilize the Board of Directors membership at each election period in February of each year.
- Accepted February 28th (original Founders Day of UNM) as the date upon which all general association and club officers elections will be held.

The Executive Committee elected at the February 1966 Board of Directors meeting was as follows:

President.....Mr. Alfred A. Valdez
Vice President.....Mr. Jack Mulcahy

Members:

Dr. Sheldon Dyke
Mrs. Mary Foley
Mr. Jamie Koch
Mr. Dan Myers
Mr. Joseph Roehl

The Executive Committee handles items of business that occur between meetings of the Directors of the Association as prescribed in the Bylaws.

Legislators' Day

Legislators' Day, scheduled this past year for February 10, 1966, was cancelled, at the request of the legislature due to an extremely heavy work load.

The program planned for the legislators was an in-depth discussion of the report issued by the New Mexico Commission on Statewide Higher Education Problems.

Alumni Clubs

During the fiscal year, not as many club visitations were undertaken. The emphasis was on refining existing clubs in terms of their own organizational structure, membership, and determining who would be both available and best suited to directly assist the Alumni Association and the University of New Mexico. There are now 26 chartered alumni clubs, the most recent being the School of Law Alumni Club.

All clubs and their officers expressed a desire to see the Alumni Office give more concrete direction and assume a greater direct responsibility for handling the details of meetings and related club projects. This should continue to be stressed.

Attendance at almost all meetings this year increased considerably. This is due to the continuity, timing, and general open communication level maintained between the Development-Alumni Office and Club Leaders; Club Leaders and membership.

Noteworthy this year was the total reorganization of the club structure in the State of Colorado and the Greater Los Angeles Area. In Colorado, an executive committee was created, with a special activities committee composed of alumni in each of the major cities and geographical areas of the state. The Los Angeles Area has a central executive committee with five area clubs attached to it, each with its own slate of officers. The plan here is to have one large, annual, Los Angeles Area meeting every one or two years and that each of the smaller area clubs will have yearly meetings.

Student Recruiting

Student Recruiting is probably one of the greatest potential projects that can be undertaken by a club. Finding and encouraging outstanding students to enroll at UNM is one of the prime objectives of Development and Alumni Relations.

Homecoming

Homecoming progressed another step toward a meaningful and successful endeavor of the Alumni Association. Jack Mulcahy

served as chairman of the Homecoming Committee for 1965-1966.

While no "net profit" was realized by this activity this year, a much more business-like approach was undertaken by the Homecoming Committee in all aspects of planning, execution and evaluation. Accurate records were maintained on registration, attendance, financial expenditures, etc.

The Homecoming Committee's improved programming and planning, provided our Alumni with more time for Campus Tours, informal visiting, fewer conflicts of activities and assured a greater degree of attendance at most functions.

European Tour

Under the auspices of the Alumni Association, a successful European tour was organized. Twenty-seven persons made the trip.

A mounting number of alumni have requested another such function, and another tour is now planned for the summer of 1967.

Speakers' Bureau

The Alumni Office is now handling a Speakers' Bureau. The organization of the program is working well; the first brochure (1800 copies) was mailed to appropriate individuals and organizations in the state.

This is a valuable service of our University and as time goes on and the communities of our state are more aware of the existence of the Speakers' Bureau, it will be one of the more important services that the Development-Alumni Office can provide.

In a related activity, requests for campus tours for individuals and organizations increased and the tours were handled, with competent guides who represented the University well. Recognition is due Alpha Phi Omega and the Host & Hospitality Committee of the New Mexico Union Program Directorate, who provided personnel and other assistance.

President's Alumni Advisory Committee

On December 4, 1965, a well-attended President's Alumni Advisory Committee meeting was held on campus, at the request of President Popejoy. The Committee was asked to counsel with the President on:

1. Legislative matters of concern to the University which would claim the attention of the 1966 legislative session;
2. The problem of student protests;
3. The question of adequacy of student counseling presently provided by the University;
4. The problem of student/faculty ratio.

President Popejoy invited members of the committee to contact local legislators and business leaders in support of the University request to the legislature for a financial allocation which would permit the School of Medicine to move into a four-year program. The response to the request on the part of the Committee members was gratifying and the results of their efforts turned out to be significantly helpful. Members of the President's Alumni Advisory Committee are listed in Appendix "C".

Awards

The High School Achievement Awards program was by far the most successful of the general awards program this year. Appendix "B" shows schools participating in this program. Not only is it a valuable vehicle for putting the name of the Alumni Association and the University before the public of New Mexico, but it is an excellent student recruiting tool. The statistics below show the growth pattern of this program since its inception:

<u>YEAR</u>	<u>PARTICIPATING HIGH SCHOOLS</u>	<u>NUMBER OF AWARDS GIVEN</u>	<u>ENROLLED AT UNM</u>
1963	2	29	?
1964	31	62 ;	30
1965	35	68	32
1966	95	195	77

During the past year, the following awards were presented:

Alumni Citizenship Award.....Mr. Tom Isgar
 Alumni Service Award.....Mr. Walter Biddle
 Alumni Service Award.....Mr. Marvin Relkin
 Alumni Service Award.....Mr. George Ambabo
 Alumni Service Award.....Dr. G. W. Fenley
 Alumni Service Award.....Dr. Harold Enarson
 Honorary Alumni Assn. Membership.....Mr. Rod Chisholm
 Honorary Alumni Assn. Membership.....Mr. Ed Lindberg

RECORDS AND MAILING

The statistics in Appendix "D" depict the number of mail pieces sent out from and returned to the Development-Alumni Offices.

The internal office procedures and policies were improved and streamlined. This permitted a higher degree of efficiency and more time for personal contact for those alumni and guests who visit the office. The staff is now able to extend a cordial welcome to and spend more time with alumni who return to the campus and visit these offices.

We continue to grow and undertake more and more projects and refinements of existing activities. The present staff is hard-pressed to maintain the present level of activity. Additional staff will be required at an early date as additional plans and programs are undertaken and as our volume of communication and the number of alumni of record continue to increase.

As in reports of previous years, the pressing need for a computerized system of alumni records is strongly urged.

PUBLICATIONS AND COMMUNICATIONS

Continuing to act on the recommendations of the Alumni Publications Committee, six issues of the Alumnus were published during this year; three as magazines and three as newsletters. Reflecting both the increasing number of alumni served by this office and the improved accuracy of our mailing lists, 137,837 copies of the Alumnus were mailed as compared to 132,090 mailed during the previous year. The unit cost of the Alumnus is being held at the same respectable figure of 5¢ per copy.

In addition to editing the six issues of the Alumnus, Mrs. Reiter assembles class notes and biographical information on alumni whose names and activities appear in other publications. The photographic file of alumni was added to and up-dated during the past year.

The Editor further provided publicity kits and newspaper announcements for out-of-town alumni meetings and for the three meetings held by the Board of Directors of the Association.

The Editor also wrote a large number of news releases in connection with Homecoming, and the activities of the Greater UNM Fund. We wish to acknowledge the cooperation and assistance of Richard Kurman, Mike Martinez, and the staff of the Public Information Office for their assistance in the preparation of various brochures and reports issued by the Development and Alumni Offices.

FUND DEVELOPMENT

The Greater UNM Fund

The Development Office serves as a clearing house for all gifts made to the University. These gifts are recorded, receipted, acknowledged, and in many cases, received by this office. The preparation, printing, and distribution of the Annual Report of the Greater UNM Fund which is the official report of gifts to the University is a function of this office. Gifts to the University for fiscal year 1965-1966 are compiled in Appendix "E". Again, we are pleased to report a favorable increase in gifts received. The report referred to in Appendix "E" does not include gifts in kind; cash and securities only, are included. It would be appropriate to recognize the increasingly good co-operation being given by other campus departments and offices in reporting gifts to the Development Office. As a result, the donors are given proper recognition in the Annual Gift Report.

Appendix "E" reveals interesting comparisons with the results obtained in 1964-1965.

Alumni Giving Increased	48%
Friends Giving Increased	107%
National Business Giving Increased	138%
New Mexico Business Giving <u>Decreased</u>	32%

The Fund reported an increase of \$113,390.29 over the previous year.

The average gift from Alumni was \$31.42 as compared to \$21.43 for the 1964-1965 fiscal year.

The Development Office acknowledges with thanks the great services rendered by the Board of Directors of the Greater UNM Fund:

Scott Mabry - Chairman

Robert Clemmensen, - Alumni Member

Mrs. Neil Foley - Alumni Member

George Ambabo - Alumni Member

Harold Enarson, - Academic Vice President

Morris Hendrickson - Acting Academic Vice President

John Perovich - Comptroller

Jack Sheehan - Director of Student Aids

Lars Halama - Director of Development

Michael Laine - Director of Alumni Relations

In accordance with statutory requirements and with the policies of the University, those funds which were earmarked for a specific purpose were allocated for the intended purpose.

Unrestricted, i.e. unearmarked, funds were disbursed by an Allocations Committee composed of Alumni, Faculty and Administrative staff:

Arnold Koschmann - Chairman

Ned J. Davison

Harold Enarson

Morris Hendrickson

Mrs. Clyde Hill

Frank O. Westerfield, Jr.

John Perovich

Lars Halama

Friends of UNM Libraries

Support of the Friends of the UNM Libraries continued but at a less brisk pace than in the prior years. Income totalled \$8,857.57.

Friends of Art

Organizational work was commenced to activate the Friends of Art. It is hoped that the results obtained by this group will include substantial funds for the University of New Mexico.

OTHER ACTIVITIES

The Development Office notes increasing activity in the field of Deferred Gifts by means of wills and bequests. These gifts, for future delivery, are becoming increasingly important, and the amount of time required for this important aspect of University support is on the rise.

STAFF ACTIVITIESUniversity Related

The members of the Development-Alumni staff served on:

Greater UNM Fund Board
Greater UNM Fund Allocations Committee
Committee on Restricted Gifts
Committee on Gifts to Libraries, Museums & Galleries
Committee on Scholarships & Prizes
The University President's Alumni Advisory Committee
Alumni Association Board
Friends of UNM Libraries
Friends of Art
Technical Applications Center Advisory Board
Action for Education
Outstanding Teaching Selection Committee

Professional Activities

The staff attended and participated more actively in meetings and conferences of the American Alumni Council and the American College Public Relations Association. Conferences attended include:

District Conference of the American Alumni Council and the American College Public Relations Association - a joint conference

Conference on Alumni Relations in Tax-Assisted Institutions

Conference on Data Processing for Alumni and Development Offices

Conference on the Annual Fund

Big Ten Fund Raisers Conference

Community Activities

Mr. Halama served as Division Chairman for the United Community Fund's Division on Schools, Colleges & Hospitals. Mr. Laine, for the second consecutive year, performed effectively as a Loaned Executive to the U.C.F.

Mr. Halama is a member of the Board of Directors of the Greater Albuquerque Chamber of Commerce as an honorary member.

He also served as Chairman of the Forward Albuquerque Committee of the Chamber of Commerce.

Mr. Laine was a member of the Tourist & Convention Committee of the Chamber of Commerce. He was also assigned to an ad hoc Committee charged with studying the convention center problem in Albuquerque.

Mr. Halama was a conferee to:

The Citizens Committee on Revision of the Judicial System in New Mexico

The Rocky Mountain Governors' Conference

The Assembly of Mexican - American Governors' of Boarder States

SIGNIFICANT PLANS

1. Conversion of our records to electronic data processing has not been accomplished. Our ability to cope with the mounting numbers of files, records, publications, and mailings depends upon early action in this matter. Our inability to retrieve data on file and to conduct fund solicitations on an effective and selective basis is causing major problems as our alumni files grow.

2. Additional personnel will be needed before new programs can be undertaken as this department has implemented substantially all the plans proposed in last year's report.

3. Assuming availability of additional personnel, the Alumni Annual Giving Program should be augmented by:

- A. The creation of a system to solicit larger gifts.
For example: a President's Club.
- B. Person-to-person solicitation from our alumni to obtain better results from our annual giving mail solicitation.
- C. Additional efforts on the solicitation of corporate gifts with emphasis on New Mexico Businesses.

The Development Office takes this opportunity to express appreciation to all who contributed to the success of this operation for the period covered by this report, expressly:

We acknowledge the service of the Greater UNM Fund Board of Directors, to the Members of the Allocations Committee, to the Outstanding Teaching Award Committee, to the Alumni Association

Board of Directors and Executive Committee, and to the members of the Publications Committee.

The Deans, Department Heads, Chairman, and Administrative Staff provided excellent cooperation in reporting gifts received, to the Development Office, which contributed to perhaps the most comprehensive Annual Gift Report that has been compiled to date. This cooperation is gratefully acknowledged.

APPENDIX "A"

ALUMNI ASSOCIATION

BOARD OF DIRECTORS, 1965 - 66

President, Alfred A. Valdez '61
 Vice President, Jack Mulcahy '56

Executive Committee

Sheldon Dike	'41	Joseph Roehl	'36
James H. Koch	'59	Dan Myers	'57
Mrs. Mary Foley	'32		

Term Expires 1967

George C. Ambabo	'54	Robert Dierman	'57
William L. Baker	'60	Ringwood, N. J.	
James Benner	'51	Russell M. Doetzel	'50
Joseph F. Boehning	'53	Reno, Nevada	
Mrs. Arthur Bryce	'28	Dr. Wm. E. Hall Jr.	'44
Mrs. Dan Girand	'60	Lincoln, Nebraska	
Fred Goldsworthy	'36	Mrs. Gilbert Hendrix	'31
Mrs. Joe D. Harris	'41	San Juan, Puerto Rico	
Howard W. Henry	'60	Bruce King	'42
Sidney Hertzmark	'39	Stanley, N. M.	
Miss Julia Keleher	'30	Mrs. Jose R. Martinez	'57
William Krieger	'60	Espanola, N. M.	
Norman Mugleston	'59	Dan C. Minnick	'34
James T. Paulantis	'40	Ordway, Colo.	
Clay Pooler	'36	Bobby N. Morgan	'56
Mrs. A. G. Seis Jr.	'46	Artesia, N.M.	
Edward D. Shaffer	'52	Rev. Ronald Norman	'52
J. Leon Thompson	'36	Auburn, Nebraska	
Mickey Toppino	'53	Owen N. O'Leary	'50
Alfred A. Valdez	'61	Wichita, Kansas	
James F. White	'59	Sigfred Sandberg	'46
Dean Blake Chambliss	'56	Oyster Bay, L.I., N.Y.	
Grand Junction, Colo.		William Speer	'52
Richard C. Chapple	'59	Farmington, N.M.	
Los Angeles, Calif.		Roy C. Stumph	'31
William M. Cleveland	'58	Ramah, N.M.	
Portsmouth, N. H.		Ralph M. Watrous	'46
Dr. H. C. Cox	'50	Englewood, Ohio	
Tifton, Georgia		Martin C. Wehmhoner Sr.	'31
Paul C. Cox	'39	Deming, N.M.	
Las Cruces, N. M.		John C. Zutavern	'51
Lloyd B. Crawford	'59	Abilene, Kansas	
San Diego, Calif.			

Term Expires 1968

Mrs. Gus Benakis	'54	Jim Heath	'53
Barry Cole	'62	Menlo Park, Calif.	
Ray Cramer	'59	John P. Isaacs	'58
James Fleming	'57	Clayton, N.M.	
Mrs. Neil Foley	'32	Jamie Koch	'59
Mrs. J. J. Friedman	'48	Santa Fe, N.M.	
Mrs. R. L. Gerding	'60	J. Carlos Lucero	'60
Mrs. Peter C. Harrity	'56	Aurora, Colo.	
D. A. Macpherson Jr.	'28	Robert Miller	'50
Norman Maguire	'44	Oxford, Ohio	
Jack Mulcahy	'56	Wesley Quinn	'32
Mrs. C. E. Nuckols	'54	Clovis, N.M.	
Joseph Roehl	'36	Jay Rosenbaum	'51
Walter Biddle	'37	Shaker Heights, Ohio	
Phoenix, Arizona		Burton Smith	'31
Leonard DeLayo	'49	Santa Fe, N.M.	
Santa Fe, New Mexico		Arvid Stromquist	'41
Mrs. Mabel D. Durning	'38	Evergreen, Colo.	
Longmont, Colo.		Rupert Williams	'60
		Las Cruces, N.M.	

Term Expires 1969

W. W. Atkinson	'36	Charles Pineau	'50
Dan Myers	'57	Las Cruces, N.M.	
Larry Willcut	'50	Fred Prevost	'50
Mrs. Glen Houston	'51	Silver City, N.M.	
Hobbs, New Mexico		Pat Pugh	'25
Frederick B. Howden	'55	Oklahoma City, Okla.	
Belen, N. M.		Allen Rollie	'32
Robert C. MacNeely	'43	Gallup, N.M.	
Espanola, N.M.		Jim Snead	'59
Dave Matthews	'54	Santa Fe, N.M.	
Santa Fe, N.M.		Mrs. Charles E. Weld	'60
Dr. George Mertz	'49	Silver City, N.M.	
Phoenix, Arizona		Harvey Whitehill	'34
Randall Montgomery	'53	Gallup, N. M.	
Hobbs, N. M.			

College Representatives (Appointed)

Robert P. Matteucci	'57	Byrne Cates	'50
Arts & Sciences		Pharmacy	
Dr. Sheldon Dike	'41	R. W. Shoemaker	'50
Engineering		Business Administration	
Gilbert Miranda	'49	Fred Tharp Sr.	'51
Education		School of Law	
Arthur Loy	'38	Mrs. George R. Shaffer	'59
Fine Arts		Nursing	
		Dr. Martin Fleck	'38
		Faculty	

PARTICIPATING SCHOOLSHIGH SCHOOL ACHIEVEMENT AWARDS

<u>SCHOOL</u>	<u>CITY</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
Alamogordo High	Alamogordo				x
Weed High	Alamogordo				
Albuquerque Academy	Albuquerque		x	x	x
Albuquerque High	Albuquerque	x	x	x	x
Albuq. Indian School	Albuquerque	x	x		x
Del Norte High	Albuquerque				x
Harwood	Albuquerque		x		x
Highland High	Albuquerque		x	x	x
Lourdes High	Albuquerque	x	x	x	x
Menaul	Albuquerque		x		x
Manzano High	Albuquerque	x	x	x	x
Rio Grande High	Albuquerque	x	x	x	x
St. Plus X	Albuquerque		x	x	x
St. Vincents	Albuquerque		x	x	x
St. Mary's	Albuquerque		x	x	x
Sandia High	Albuquerque	x	x	x	x
Valley High	Albuquerque	x	x	x	x
Animas High	Animas				x
Amistad High	Amistad				x
Gadsden High	Anthony				x
Artesia High	Artesia	x	x	x	x
Aztec High	Aztec		x	x	x
Cobre Consolidated	Bayard				x
Belen High	Belen				x
Bernalillo High	Bernalillo				x
Bloomfield High	Bloomfield				x
Capitan High	Capitan				
Carlsbad High	Carlsbad	x	x		x
Causey High	Causey				
Chama High	Chama				x
Cimarron High	Cimarron				x
Armistad High	Clayton				
Clayton High	Clayton				
Cliff High	Cliff				x
Cloudercroft High	Cloudercroft				
Clovis High	Clovis	x	x	x	x
Charles Lathrop	Coyote				
Corona High	Corona				x
Cuba High	Cuba				
Carrizozo High	Carrizozo				

Participating Schools -- High School Achievement Awards

<u>SCHOOL</u>	<u>CITY</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
Deming High	Deming			x	x
Des Moines High	Des Moines				x
Dexter High	Dexter				x
Dora High	Dora				x
Dulce High	Dulce				
Elida High	Elida				x
Encino High	Encino				x
Espanola High	Espanola	x	x	x	x
Estancia High	Estancia				
Eunice High	Eunice	x		x	x
Farmington High	Farmington	x	x	x	x
Floyd High	Floyd				x
Ft. Sumner High	Ft. Sumner				x
Gallup High	Gallup	x	x	x	x
Cathedral High	Gallup	x	x	x	x
Coronado High	Gallina				x
Grady High	Grady				
Grants High	Grants	x	x	x	x
Hachita High	Hachita				
Hagerman High	Hagerman				x
Hatch High	Hatch				
Hobbs High	Hobbs	x	x	x	x
Hondo High	Hondo				x
House High	House				x
Jal High	Jal			x	x
Jemez Springs High	Jemez Springs				x
Central Consolidated	Kirtland				x
La Joya High	La Joya				x
Lake Arthur High	Lake Arthur				x
Las Cruces High	Las Cruces		x	x	x
Robertson High	Las Vegas				x
W. Las Vegas High	Las Vegas				
Laguna Acoma	New Laguna				x
Logan High	Logan				x
Lordsburg High	Lordsburg				x
Los Alamos High	Los Alamos		x	x	x
Los Lunas	Los Lunas			x	x
Lovington High	Lovington			x	x
Magdalena High	Magdalena				x
Maxwell High	Maxwell				x
Melrose High	Melrose				
Mora High	Mora				x
Moriarty High	Moriarty				x
Mosquero High	Mosquero				
Mountainair High	Mountainair				x
Ojo Caliente High	Ojo Caliente				x

Participating Schools -- High School Achievement Awards

<u>SCHOOL</u>	<u>CITY</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>
Pecos High	Pecos				
Penasco High	Penasco				
Pojoaque High	Pojoaque				x
Portales High	Portales				x
Quemado High	Quemado				
Questa High	Questa				x
Ramah High	Ramah		x	x	
Raton High	Raton				x
Reserve High	Reserve				
Roswell High	Roswell	x	x	x	x
Goddard High	Roswell				x
St. Peters	Roswell	x		x	x
Roy High	Roy				x
Ruidoso High	Ruidoso				
San Jon High	San Jon				x
Santa Cruz High	Santa Cruz				x
Loretto Academy	Santa Fe			x	x
Santa Fe High	Santa Fe		x	x	x
St. Michaels	Santa Fe	x	x	x	x
Santa Rosa High	Santa Rosa				x
Seboyeta High	Seboyeta				
Silver High	Silver City				
Socorro High	Socorro				x
Springer High	Springer				x
Taos High	Taos		x	x	x
Tatum High	Tatum			x	x
Texico High	Texico				x
Tierra Amarilla High	Tierra Amarilla				x
Hot Springs High	Truth or Consequences				x
Tucumcari High	Tucumcari				x
Tularosa High	Tularosa				x
Vaughn High	Vaughn				x
Wagon Mound High	Wagon Mound				x
Zuni High	Zuni				x
Participating High Schools		20	31	35	95
Awards Given		39	62	68	195
Number of Recipients who					
Enrolled at UNM		?	30	32	?

APPENDIX "C"

THE PRESIDENT'S ALUMNI

ADVISORY COMMITTEE, 1965-66

Dr. Albert G. Simms II	'41	Sidney Hertzmark	'39
Chairman		John Norman Hodges	'47
Ben C. Hernandez	'41	Silver City	
Executive Committee		Calvin P. Horn	'39
Ray H. Rodey	'55	Glen L. Houston	'52
Executive Committee		Hobbs	
Michael Alarid	'61	R. Frank Jones	'40
James B. Barber	'37	Glenn C. Karlin	'38
Grants		Raton	
Mayo T. Boucher	'52	William B. Keleher	'55
Belen		Summer Stanley Koch	'38
Mrs. Howard Brandenburg	'38	Santa Fe	
(Helen Zimmerman) Taos		Mrs. Lewis O. Kohlhaas	'28
Garnett Robert Burks	'30	(Leona Raillard)	
Socorro		Mr. & Mrs. Chas. Koskovich	'54
Daniel C. Burrows	'26	(Judy Hubbard)	'55
Reese Cagle	'32	Ralph Loken	'33
Clovis		Thomas Eugene Lusk	'41
Mrs. John H. Campbell	'44	Carlsbad	
(Harriet Lantow) Las Cruces		Mr. & Mrs. Rbt. Matteucci	'57
M. Byrne Cates	'50	(Mary Botts)	'57
Roger Cox	'54	Eric T. McCrossen	'58
Ralph E. Dixon	'56	Gallup	
Mrs. Paul Dorris	'39	Mr. & Mrs. Kenneth Mount	'53
(Juanita Fincke)		(Betha Young)	'48
Dr. Paul Arnold Feil	'44	Mr. & Mrs. Norman Mugleston	'59
Deming		(Riette Lewinson)	'58
Mr. Wm. E. Fields	'50	Thomas Murphy	'23
Santa Fe		Raton	
H. L. Galles	'35	Jess R. Nelson Jr.	'49
Mrs. Margaret Glasebrook	'45	Truth or Consequences	
(Margaret Herlihy)		Mr. & Mrs. Cy S. Perkins	'41
Mr. & Mrs. Fred Goldsworthy	'36	(Betty Burton)	'41
(Ruth Brock)	'36	Wesley M. Quinn	'32
Gordon King Greaves	'35	Clovis	
Portales		Steve Reynolds	'39
Robert C. Groman	'48	Santa Fe	
Emmett C. Hart	'54	Austin E. Roberts	'53
Tucumcari		Farmington	
Mrs. Leonard S. Hartman	'42	Mrs. Jeffie W. Robinson	'32
(Betty Meyer)		(Jeffie Sharp)	
Mrs. Guyton Hays	'36	Paul Robinson	'44
(Marie Jenson)		Allen Rollie	'32
		Gallup	

The President's Alumni Advisory Committee

Alva A. Simpson	'40
Santa Fe	
Walter J. Stuart	'51
Las Cruces	
Robert D. Taichert	'49
James L. Teare	'36
Los Alamos	
Robert P. Tinnin Jr.	'61
Frank O. Westerfield Jr.	'52
Archie Westfall	'32
Tom Wiley	'32
Judge Geo. L. Zimmerman	'50
Alamogordo	

APPENDIX "D"

ALUMNI DEVELOPMENT OFFICE MONTHLY MAIL TOTALS

Month	1963-1964		1964-1965		1965-1966	
	Out	Returns	Out	Returns	Out	Returns
July	5,866	1,380	21,515	453	26,737	786
August	3,747	231	2,387	229	717	488
September	44,240	799	4,905	150	2,838	419
October	33,433	995	82,399	1,761	31,705	872
November	26,250	325	3,052	600	65,776	2,681
December	22,803	226	1,093	194	1,995	1,455
January	980	139	22,562	346	46,669	457
February	22,161	279	45,734	351	26,728	1,323
March	25,272	298	6,107	209	2,790	600
April	47,476	1,470	25,282	230	26,384	430
May	4,101	811	48,872	985	26,086	690
June	<u>1,440</u>	<u>144</u>	<u>544</u>	<u>193</u>	<u>24,664</u>	<u>1,469</u>
Totals	242,769	7,097	264,462	5,701	283,089	11,670

APPENDIX E

SOURCE

	<u>1964-65</u>	<u>1965-66</u>
Foundations, Estates, Misc.	\$ 912,543.25	\$ 855,605.93
Organizations	78,998.22	188,028.70
New Mexico Business	58,601.26	40,048.06
National Business	22,533.58	61,012.87
Friends	24,354.45	50,327.88
Alumni	<u>32,450.96</u>	<u>47,848.57</u>
Total	\$1,129,481.72	\$1,242,872.01

PURPOSE

	<u>1964-65</u>	<u>1965-66</u>
Building Construction	\$ 678,206.00	\$ 1,717.00
Chapel	1,011.32	1,095.00
Scholarship	247,971.26	686,145.26
Library	13,775.47	8,857.57
Unrestricted	29,606.63	48,010.49
Equipment	5,025.00	500.00
Research	29,950.77	204,743.50
Special Projects	6,717.00	11,945.00
Instruction	<u>117,218.00</u>	<u>279,858.19</u>
Total	\$1,129,481.72	\$1,242,872.01

NUMBER OF DONORS

	<u>1964-65</u>	<u>1965-66</u>
Foundations, Estates, Misc.	54	307
Organizations	197	346
New Mexico Business	316	250
National Business	25	140
Friends	915	748
Alumni	<u>1,514</u>	<u>1,523</u>
Total	3,021	3,314

THE REPORT OF THE DEPARTMENT
OF INTERCOLLEGIATE ATHLETICS

July 1, 1965 - June 30, 1966

Pete McDavid
Athletic Director

I. Significant Developments during the Academic Year -
1965-66

At the varsity level our teams have competed in the following sports: football, basketball, track, cross country, baseball, tennis, wrestling, swimming, golf, and gymnastics. Freshman teams played regular schedules in football and basketball and also competed in a limited number of contests in tennis, golf, and baseball. A total of 148 athletes received major letter awards; 42 freshman athletes were awarded numerals in football and basketball.

Stan Quintana, senior quarterback, climaxed an illustrious career by receiving the following honors: he played in three major post-season football games--the East-West Shrine game in San Francisco; the Senior Bowl game in Mobile, Alabama; and the College All Stars-Greenbay Packer game played in Chicago, Illinois. Stan signed a bonus contract with the Minnesota Vikings and is expected to play for them this fall.

Bob Bouyer and Paul Smith made the first team of the Western Athletic Conference.

Coach Bob King's basketball team turned in another respectable season and was in contention for the Conference Championship up until the time that Melvin Daniels was injured. The team won the first annual Lobo Invitational Tournament which was a highly successful event. With the opening of the new basketball arena, this could evolve into one of the outstanding tournaments in the country. The following teams will compete in this tournament in December, 1966: Texas A & M University, New York University, Colorado State University, and our own Lobo team.

Even though he was injured in mid-season, Melvin Daniels set a new school scoring record of 489 points for the season. He also made the following All Star teams: Lobo Invitational Tournament; All Western Athletic Conference; Official First Team, NCAA District #7; and Look Magazine.

Coach Hugh Hackett's cross country and track teams won the Western Athletic Conference Championships. George Scott was the individual cross country champion. The following individuals won Conference Championships in track: Clark Mitchell, 880 yard run; John Baker, establishing a new Conference record in the mile run; George Scott, in the 2-mile

run; senior Clarence Robinson, winning both the triple jump and long jump; Arthur Carter, in the 220 yard dash; and the mile relay team composed of Pat Cox, Clark Mitchell, Arthur Carter, and Kenneth Head.

Rene Matison placed fourth in the finals of the NCAA Championships. Ira Robinson also scored a fourth place in the broad jump, and Arthur Baxter was fourth in the triple jump. The Lobo squad placed eleventh in the final standings of the National Championships, after placing second in the National Federation Championships at Terre Haute, Indiana, the previous weekend.

in golf, Ralph Coker was named to the All Western Athletic Conference team for the second consecutive year.

The Lobo baseball team finished the 1966 season with the greatest number of wins since the sport started in 1899. Their record was 23 wins and 17 losses. Sophomore Bob McAulay led the pitching staff with a 9-3 record, and he and Dave Chase made the All Western Athletic Conference first team.

Coach Bob Barney's swimming team placed second in the Conference for the third successive year. Rick Wettin was the Conference 100 yard Butterfly Champion.

In wrestling, senior Marty Lyman climaxed his career by winning the 167 pound Western Athletic Conference Champion-

ship.

Coach Joe Ferguson's tennis team finished the regular season play with an 18-5 record, one of the finest recorded in recent years.

II. Significant Plans and Development.

Our new basketball arena is expected to be completed by December 1, 1966. This will have a seating capacity for 15,000 spectators and will alleviate the seating problems which we have had for the past several years in Johnson Gymnasium.

The new practice and playing fields on the South Campus have all been grassed and the baseball team is expected to begin utilizing their new field this spring. Our new golf course, located just south of the South Campus, is expected to open for the fall season.

The Athletic Department is hopeful that they will be able to move into new office facilities located between the arena and the baseball field prior to September of 1967. Plans are fairly complete for this building to completely service football, basketball, baseball, track, and cross country. There will be additional space for the Business Manager's office, training facilities, Sports Publicity, and

various individual offices for the involved sports.

III. Outside Professional Activities of Staff Members.

The University Athletic Staff is well represented on the following important National Collegiate Committees:

Athletic Director -	Pete McDavid -	Consultant to the N.C.A.A. 1965 Tele- vision Committee
Football -----	Bill Weeks ---	American Football Coaches Assoc. Rules Committee
Golf -----	Dick McGuire -	Chairman, N.C.A.A. Golf Rules Committee
Track -----	Hugh Hackett -	N.C.A.A. Track and Field Rules Committee

IV. Appointments to Staff

Warren Lee -----	Assistant Athletic Trainer
Rusty Mitchell -----	Gymnastics Coach
Ron Jacobsen -----	Wrestling Coach

V. Separations from Staff.

George Gilmore -----	Gymnastics Coach
William A. Bynum -----	Will devote full time to teaching.

Report of the Office of the University Architect

July 1, 1965 to June 30, 1966

Van Dorn Hooker, AIA, University Architect

The large building program begun during the previous two years continued into this year with the completion of several projects and the beginning of other new ones. At the close of the year over \$9,000,000 of building is under contract with another \$5,000,000 to bid within a few months. Several million dollars of proposed construction is either in the programming or planning stage. On the following pages is a summary of the construction program and the campus planning program.

BUILDING PROJECTS BEGUN PRIOR TO JULY 1, 1965.

1. Santa Ana and Alvarado Dormitories, UNM Project No. 615-100

Construction was begun on these dormitories in October, 1964, by K. L. House Construction Company and they were accepted by the University in September, 1965. The final adjusted contract was for \$1,253,196.27. William Ellison and Associates were the architects for the project and John Williams was the job inspector.

2. Graduate Research Building for the Department of Physics and Astronomy, UNM Project No. 613-100

Bids were received for this building on November 17, 1964 and the contract was awarded to George A. Rutherford, Inc. in the amount of \$739,000. The National Science Foundation contributed \$350,000 to the construction and equipping of the facility. The building was completed and accepted in January, 1966, and the department moved into it. Ferguson, Stevens, Mallory & Pearl were the architects. William S. Patterson was the job inspector.

3. Temporary Medical Facilities Addition, UNM Project No. 606-100

Two more prefabricated metal buildings were added to the initial structure completed in 1964 to provide space for the second year of instruction in the School of Medicine. This was made necessary because of the delay in start of construction on the Basic Sciences Building. A contract was signed in May, 1965, with K. L. House Construction Company for \$246,487 and work began immediately. The building was completed and occupied in October. W. C. Kruger and Associates were the architects.

4. 1964 Extension of Utilities Distribution Tunnels.

This project for the extension of the utility tunnel system to take care of future building projects was started in November, 1964, by Hesselden Construction Company on a contract in the amount of \$718,430. Work was essentially complete in December, 1965. Bridgers and Paxton were the engineers and William S. Patterson was the job inspector.

5. Concert Hall Addition to Fine Arts Center, UNM Project No. 612-200

Bids were received on this the second phase of development of the Fine Arts Center in December, 1964. Work began on January 17, 1965. Lembke Construction Company was the low bidder at \$1,769,684. In January the contract was extended to include the stage equipment and the date of completion advanced to September 30, 1966. Hollen and Buckley are the architects and their consultants include Bolt, Beranek, and Newman for acoustics and George Izenour as stage equipment designer. Job inspector for the University is Charles L. Little.

6. Addition to Zimmerman Library, UNM Project No. 614-100

This addition to the existing library which will more than double the present library space was bid on December, 8, 1964, and the contract awarded to Lembke Construction Company for \$1,769,684. The present date for completion is the first of August, 1966. The equipment for the library was bid in February 1966 and five separate contracts awarded. The equipment is supposed to be installed as soon as the building is accepted. Federal Funds totaling \$802,134 were received under the Higher Education Facilities Act of 1963 toward the construction and equipping of the building. Architects for the project are Ferguson, Stevens, Mallory & Pearl. Daniel Polk is inspector for the University.

BUILDING PROJECTS BEGUN AFTER JULY 1, 1965.

1. Transmitter Building for Station KNME, Sandia Crest, UNM Project No. 623-100

Bids were received on July 7, 1965, for the construction of a metal building located on Sandia Crest to house the transmitter equipment for the University television station, KNME. Included in the project is an apartment for a resident engineer. Architectural Construction Company was low bidder at \$127,400. Work began immediately and was substantially completed in January, 1966, but the severe weather on the crest delayed final acceptance until the summer of 1966. Pacheco and Graham were the architects.

2. Clinical Psychiatry Building, School of Medicine, UNM Project No. 607-100

This is a single story building located just south of the Rehabilitation Center on Stanford Boulevard, Northeast. It provides offices and instruction spaces for the Department of Psychiatry. Construction

was begun on August 2, 1965, by Edwin F. Cillessen under a contract for \$67,966. The building was completed and accepted in January, 1966. W. C. Kruger and Associates were the architects.

3. Basic Sciences Building, School of Medicine, UNM Project
No. 600-100

Bids were received for this project, the largest ever bid by the University of New Mexico, on August 18, 1965. Lembke Construction Company was the low bidder at \$2,975,851, but the contract could not be signed until approval was obtained from the Public Health Service and the National Institutes of Health which are charged with administering the federal funds pledged to this project. The contract was signed on October 18, 1965, and work began immediately. Completion is expected in October, 1967. The building has a total of 172,406 gross square feet on five floors. (The contract drawings and specifications for the furnishings and installation of the fixed equipment are in the hands of the bidders. Bids will be received on 20 July 66. The architect's estimate is \$1,400,000.) W. C. Kruger and Associates are the architects for both projects. The job inspectors for the University are Roger Conant and Horace Butts.

4. Research Park Utilities, South Campus, UNM Project No. 631-100

The first privately financed building was erected in the Research Park on the South Campus by the Dikewood Corporation to house their computer facilities. The University let a contract to Wylie Brothers Contracting Company for the installation of curbs, walks, and paving on all streets adjacent to this building at a cost of about \$96,000. Their contract also included water and sewer installations. The power, gas and telephone were installed underground by the utility companies.

The work was substantially completed in January, 1966, about the time the Dikewood Building was occupied. Drawings and specifications for this work were prepared by Gordon Herkenhoff and Associates.

5. Hokona Dormitory Remodeling, UNM Project No. 620-100

It was decided last year to remodel the serving and dishwashing areas in Hokona Dormitory to speed up the serving lines and thereby accommodate more students. However, by the time the drawings were prepared it was too late to bid the work and have it ready for the opening of the fall semester. The job was put out to bid in January, 1966, so there would be sufficient time for the fabrication and the equipment before June and time during the summer vacation for its installation and the remodeling to the building to be done. The contract was awarded to Bradbury and Stamm in the amount of \$102,128. Work was begun on schedule and the completion date is September 1, 1966. Holien and Buckley were the architects and Arthur Dana was the food facilities consultant.

6. Campus Loop Road (Redondo Drive), UNM Project No. 632-100

The development of the campus loop road from Cornell to Yale and Yale to Terrace was done this year with State Highway Department participation. At the same time the engineers were designing these two phases they completed the design for Campus Boulevard from Redondo Drive to Cornell. The first two phases were added to a city paving district which was being done by Wylie Brothers Construction Company. Work began in February and was completed around the first of April. The cost was approximately \$57,000. Engineers for the work were Gordon Herkenhoff and Associates.

7. Basketball Arena, UNM Project No. 626-100

A basketball arena to seat 15,000 people was bid on the 16th of December and the contract signed on the 17th with K. L. House Construction Company for \$1,367,145. The building is to be completed on December 1, 1966 in time for the opening game of the '66-'67 season. The structure is unique in that the playing floor is 37½' below grade and the earth bank was used to help form the concrete tiers for the seats. The roof has a clear span of 250' and is a stress-skin structure manufactured by the Behlen Company. The architect for the project is Joe Boehning. W. S. Patterson is the job inspector for the University.

8. Cornell Mall Landscape, UNM Project No. 630-100

This, the first major implementation of the landscape plan for the campus done by Eckbo, Dean, Austin, and Williams was started on 28 March 1966, following receipt of bids on February 3rd. Hesselden Construction Company was low bidder at \$121,000. The project included the paving of the area between the New Mexico Union and Mesa Vista Dormitory from the south end of the Union to the steps leading into the College of Education and west across the north face of the Union to the Bell Tower. The paving is divided with brick and there are several large raised planting beds included. Some of the lighting will be done by the contractor and some by the University. Planting will follow closely upon the completion of the project. Ferguson, Stevens, Mallory and Pearl prepared the contract documents and the Office of the University Architect did the supervision. It is hoped the project will be completed no later than September, 1966.

9. Golf Course Club House Buildings, UNM Project No. 618-100

The drawings for the Golf Course Club House, the Maintenance Building, and two shelters were completed by John Reed, the winner of a state-wide competition for the design of them, in February. Bids were opened on March 17th and the contract was awarded Weaver Construction Company for \$269,566. Construction is to be finished by early fall in time for the opening of the course. The club house is situated on a rise commanding a fine view of the course to the north and the city beyond. It is divided into two parts, the pro shop and locker rooms on one side and the dining room, lounge, and kitchen on the other. The Maintenance Building has shops for the storage and repair of equipment used on the course and an apartment for the caretaker. The shelters have toilets and rest facilities for the golfers on the course.

10. Architecture Building

In order to alleviate the space problems in the Departments of Art and Architecture it was decided to lease a building on or near the campus and offers were received from several parties. Bradbury and Stamm presented a proposition to remodel a two story building on the corner of Central and Stanford on a ten-year lease-purchase arrangement. This office represented the University in reviewing the drawings and specifications and will make the final inspection upon completion. Work began in late spring and the completion is set for the opening of school. George Wright is the architect employed by the owners of the building.

PROGRAMMING AND PLANNING.

Building projects which are presently on the architects' boards or are out to be bid include the following.

1. Student Health Center and University College, UNM Project No.

617-100

This is a three story building attached to the south end of Mesa Vista Dormitory. University College will occupy the lowest floor which will be below existing grade, but will open into a large sunken courtyard. The next floor up will be entered on grade from the north and will be the treatment-examination portion of the Student Health Center. The top floor will be the in-patient section with beds for 34 persons. Estimated project cost is \$1,200,000. The site for this building will tie into the south end of the Cornell Mall project and extend it to the south. Holien and Buckley are the architects.

2. Biology Research Building, UNM Project No. 616-100

Bids will be opened July 12 for an addition to the present Biology Building to provide some 45,500 net square feet of instruction and research space to the building. This addition will be made on the west side of the present building and a sunken patio will be constructed between them so that the basement of the addition will open into it on grade. There are two floors above coinciding with the levels of the present building. On the east side, or patio side, of the addition is a two story green house which will be a feature of the building. A grant for \$789,400 toward constructing and equipping the building was obtained under the Higher Education Facilities Act of 1963. Flatow, Moore, Bryan & Fairburn are the architects.

3. College of Business Administration and Bureau of Business

Research, UNM Project No. 624-100

John Reed was appointed architect for this project and is preparing schematic drawings at this time. This building will be located between

Hokona Dormitory and the Law Building north of the College of Education. The program calls for 31,200 net square feet for the College and 11,000 net square feet for the Bureau. There will be a branch library in the College portion. The estimated cost of the project is \$1,132,585 with a construction budget of \$820,000. It is anticipated that the University will seek HEFA participation. Construction will begin about February, 1967.

4. Engineering Center, UNM Project No. 621-100

Preliminary plans for this project have been submitted by the architects for review. The Engineering Center will provide 46,539 net square feet of research, instructional, office, and administrative space for the College of Engineering. It is proposed to locate this building in the area immediately south of the Electrical Engineering Building. An application will be made for funds under Title II (Graduate), HEFA. The estimated project budget is \$2,594,000. It is anticipated that bids can be received on this building early in 1967. Flatow, Moore, Bryan and Fairburn are the architects.

5. Swimming Pool, UNM Project No. 619-100

Work on this project has reached a virtual halt until the consulting engineer has completed his work. It had been planned to have the facilities in operation this summer. The estimated project cost is \$720,000. Holien and Buckley are the architects; Milton Costello is the consulting engineer. This is an Olympic size pool with a separate diving pool and a wading pool located north of Johnson Gymnasium. It will use the locker rooms in the gymnasium. The structure is made of concrete ribs with plastic panels between and is open on top. Lower panels can be removed in the warmer weather to make it virtually an open air pool.

6. Campus Loop Road and Research Center Parking Lot, UNMProject No. 632-200

Herkenhoff and Associates are preparing working drawings for the completion of the campus loop road from the intersection of Campus Boulevard and Redondo Drive to the intersection of Campus Boulevard and Cornell Drive and a parking lot south and west of the Research Center which will provide for about 630 cars. It is anticipated that bids will be received in July and the project completed by the time school begins in September. Estimated cost for the project is \$135,000.

7. 1967 Dormitories, UNM Project No. 629-100

A dormitory project to house 600 students and provide dining space for an eventual 1200 to 1300 is being planned for the area between Santa Ana and Santa Clara dormitories and to the north of them. The units are being designed to house 300 students in a "village" which is composed of two "groups" of 150 which is in turn divided into three "houses" of 50 each. The commons building will contain a kitchen, dining room, lounges, meeting room, and the administration offices for the entire development. The first village unit will be put to bid in the Fall and the other elements will follow as soon thereafter as drawings can be completed. Estimated project cost for the total development for 600 students and the commons is \$4,000,000. Ernest J. Kump and Associates are the design consultants and William Ellison is the architect.

Campus Planning

The major planning effort of the office this year has been on the development of a master plan for the North Campus. Professor Don Schlegel has been working on this since his return from his Sabbatical leave in August. Several outside forces such as the imminent construction of the flood control ditch, the addition to Bernallillo County-Indian Hospital, the planning of the Mental Health-Mental Retardation Center by the county, and expanding needs of the School of Medicine have all made planning necessary on a long range basis. The plan was presented to the faculty of the School of Medicine and received their approval and was later reviewed by the Campus Planning Committee. This office is working closely with the architect for the BC-I expansion and the MH-MR facility in coordinating the efforts of all parties.

Planning for the future expansion of the Physical Plant Department into the area north and west of their present location is proceeding. It is hoped that their first construction in this area can begin as soon as the design of the flood control ditch is completed.

Studies are being made on the Central Campus Plan to determine the implications of the widening of University Boulevard on the extension of the Campus Loop Road through the southwest part of the campus. Other studies are being made to try to develop small parking lots working off the loop road and to better solve the service problems to buildings not immediately adjacent to the road.

Methods to make the parking spaces on the south campus available for student parking are being considered so that when it is necessary to use them a recommendation will be ready.

Appointments and Additions to the Staff

Robert J. Schmidt, Lt. Col., USA, Retired, was added to the University Architect's Staff after his retirement from 23 years of service. His last assignment was as Base Engineer, Sandia Base. Col. Schmidt has a Bachelor of Civil Engineering degree from the University of Dayton and a Master of Science degree in Industrial Engineering from Stanford University. He is a registered professional engineer in New Mexico. He has had wide experience in construction planning and supervision, plant engineering, maintenance management, and general administration. He is coordinating grants, supervising the preparation of the space inventory for the Board of Educational Finance, and checking the accounts of the various construction accounts.

Plans for Next Year

During the next fiscal year several of the major projects now under construction will be completed including the Concert Hall, the Golf Course Club House, the addition to Zimmerman Library and the Basketball Arena. New projects to begin construction include the addition to the Biology Building, the Engineering Center, the 1967 Dormitory Project, the Student Health Center - University College buildings, and the Swimming Pool. Work will be continuing on the Basic Sciences Building not scheduled for completion until fall of 1967. At the end of the next fiscal year there will be approximately \$15 million worth of construction in progress on the campus. There will be an additional \$5 to \$7 million of construction on the north campus financed by other county and state agencies.

Planning and programming will be continuing on several other projects including an addition to the Law Building, an addition to the Chemistry Building, a Science-Engineering Classroom building, expansion of the Power Plant, an Automotive Building for the Physical Plant Department, and the remodeling of Mesa Vista Dormitory.

Campus development projects will include the completion of working drawings for the continuation of the landscaped mall from the northwest corner of the New Mexico Union west to Yale Boulevard. A master plan for the development of the old Zimmerman Field area west of the Union will be completed. A plan for the limited development of a campus for the School of Medicine will be presented which will include the area east of the Basic Sciences Building and north of the BC-1 Hospital.

A new set of campus maps which will include all three campuses will be completed and distributed to all interested departments. Aerial photographs will be taken and will be made available in the late fall.

The space inventory will be completed on all academic and administrative buildings and the plans of these buildings will be bound in a volume which will be distributed on a limited scale to certain departments. Plans of the individual buildings will be available on request.

The coming year will find the campus disrupted by the start of several of these major projects, but as more and more buildings and malls are completed the campus will begin to achieve a feeling of completeness and unity. For the next several years there will be no time during which construction will cease, or even slow down, but it is hoped that this work can be carried on with as little disturbance as possible to normal campus activities.

THE REPORT OF THE UNIVERSITY LIBRARIES

July 1, 1965 - June 30, 1966

David Otis Kelley, University Librarian

This was a year that placed severe pressures upon every library staff member and called for much patience, tolerance and self control on everyone's part. But, despite the difficulties, we came through with no serious casualties, and I wish to begin this report with an expression of wholehearted thanks to the Zimmerman Library staff for their hard work under difficult conditions, and to the faculty and students who were understanding and cooperative.

With a fall enrollment in 1965 of 12,186 students we had seats for only 515 (less than 5%), and we had some 155,000 volumes of our collections in storage. The construction of the addition, which continued through the year, brought many dislocations of normal arrangements. But happily it was completed during the summer of 1966 and the move of books and equipment into the addition was begun immediately following the summer session.

THE COLLECTIONS

As indicated in the statistical appendixes the four campus libraries added 38,681 volumes, a net gain of 8.8%. The general library (Zimmerman and Fine Arts) increased by 9.5%, the largest one-year growth in history. Additions by gifts and exchange accounted for 24% of the total growth. This is especially notable. We have wanted to follow the recommendation of the Tauber Survey and add the position of Gift and Exchange Librarian but have not secured the necessary budget; yet we added more than twice as many volumes by gift and exchange than we did the year before.

Gifts from about 700 donors brought us 4,234 titles. There were no large individual bequests but many smaller collections and individual volumes to accumulate the excellent total. Mrs. Tessie Jorrin gave the collection of her husband, the late Professor Miguel Morrin, which was rich in political philosophy and Latin American materials. Professor Walter Keller made a fine monetary contribution for books on music. Mr. Monte Lawton of Santa Clara, California contributed an interesting collection of 1,016 glass negatives of pictures made by Henry A. Schmidt in the area of Chloride, New Mexico where he lived from 1882 until 1943.

It is always a happy occurrence when, as on July 15, 1965, Mr. R. Oliver Wiley of Huntington, Connecticut walked into my office and asked if we would be interested in some papers of the Smith Mercantile Company of Santa Rosa, New Mexico. We appreciated this gift of New Mexico material even though it was not a large quantity.

Dr. Ross Calvin, a life member of the Friends, gave us his eight volume set of typed journals. These are his notations of observations concerning natural history of regions he has visited, beginning at age 12 and continuing for some 60 years. Copies of these journals have been made for several other university libraries.

Mr. & Mrs. W. J. Gourley of Fort Worth, Texas gave a valuable collection of papers of the Bartlett Ranch at Vermejo Park, New Mexico. These papers consisting of business and personal correspondence during the period of about 1898 to 1925 filled thirty-nine cartons.

A large number of professors and emeritus professors made contributions and, as before, our faithful friends such as Dr. and Mrs. Homer Musgrave, Dr. Madaline Nichols, Mr. and Mrs. Arthur Loy, Mr. Winfield Townley Scott, and Helmut von Erffa continued their regular giving.

The cash gift of Mr. and Mrs. Lionel C. Rosenbaum for the purchase of French books and other gifts made by them is very noteworthy.

The Friends of the University of New Mexico Libraries added to our fiscal resources and from this special fund, and with the approval of the Friends' Allocation Committee, we purchased a notable 900 volume collection of 18th century literary works from the distinguished emeritus professor of American Literature at The University of Wisconsin, Dr. Harry Hayden Clark. The Friends' fund also enabled us to purchase micro-film of the papers of eight former U. S. Presidents, all of the film available at the time.

To all our donors we express sincere thanks.

In our organization of the purchasing function the Acquisition Department purchases monographs and the Serials Department orders the serials. It is interesting to note that, of the total money spent, 46% was for serials and 54% for monographs. This percentage for serials will probably be even higher in future years because of the heavy dependence upon serials by the mathematics, science and engineering faculty and students. Even a cursory examination of lists of new serials being published will indicate that we are subscribing only to a few. Yet we have 14,647 titles listed in our Serials Checklist. With additional staffing of our subject departments the subject librarians will be able to devote more time to their proper function of assisting faculty members with the selection of serials we should acquire.

The Acquisition Department staff kept records, between July 1, 1965 and April 30, 1966, of the actual prices paid for monographic works. For some years Publishers' Weekly has given average prices of books by selected subject categories but the categories used do not exactly coincide with

those of academic libraries, especially our own, and we desired our own average prices paid per volume. And, of course, our average prices paid will be influenced by the proportion of out-of-print material, reprints, foreign material acquired, and other factors. The actual average prices per volume are as follows:

Anthropology	\$11.35
Architecture	10.77
Art	14.06
Biology	15.01
Business Administration	8.39
Chemistry	17.14
Comparative Literature	12.03
Dramatic Art	5.97
Economics	5.57
Education	5.73
Engineering, Chemical	18.36
Engineering, Civil	10.87
Engineering, Electrical	12.62
Engineering, Mechanical	12.67
English	6.85
General Works	7.43
Geography	6.11
Geology	11.84
Government	4.91
History	7.15
Journalism	4.83
Mathematics	7.89

Modern & Classical Languages	10.52
Music	6.24
Pharmacy	14.48
Philosophy	5.21
Physics & Astronomy	12.37
Psychology	11.05
Sociology	5.17
Speech	7.34

The Latin American Program.

During the fall of 1965 Dr. Edwin Lieuwen, Chairman, Department of History, suggested that we put all our book funds available for Latin American materials together, add a bibliographer and coordinate this acquisition work. We secured the cooperation of the chairmen of the departments of Anthropology, Economics, Government, History, Modern and Classical Languages, and Philosophy, and each indicated the amount of their allocated book funds that might be spent on Latin American materials. To this we were authorized to use a given sum from the Ford Foundation grant to the Department of History and a portion from the NDEA Language and Area Center grant.

Fortunately we were able to get Miss Helen McIntyre, our former Acquisition Librarian, to return from retirement and serve on a half-time basis as Latin American Bibliographer. She continues in this position, working with the faculty in this area to determine materials needed, corresponding with dealers, checking dealers' lists, and preparing orders to be placed. She has been assisted, part-time, in this work by Mrs. Nanette Sargent of our Acquisition Department staff.

This program should continue to expand, and we confidently expect to have one of the best Latin American collections in the nation within a few years.

ORGANIZATION OF THE COLLECTIONS

The accomplishments of the Catalog Department during the year were most remarkable. Despite considerable turnover of staff, congestion brought about by the construction of the building addition, and by other difficulties, the output was increased about 50%.

The large increase can be attributed to several factors. First, the change from the Dewey to the Library of Congress system of classification made it possible to copy, on the Xerox 914, sets of cards from the L.C. proof slips. The availability of proof slips for the books we acquired is less than we expected thus requiring original cataloging by our staff. Recent legislation should help the Library of Congress improve its cataloging, with the resultant increase of proof slips that will be available to other libraries. The change to L.C. has enabled us to use clerks to prepare more catalog cards. They prepared cards for almost 2/3 of the titles done. The increase in output also was made possible by certain short-cuts in procedures and by the elimination of some functions previously performed. The sacrifice of quality may be felt in future years but it is absolutely essential with the present level of staffing and with the quantity of material to be cataloged.

At the first of the year the Catalog Department staff began work on materials backlogged in the basement and in certain storage rooms. A quantity of added copies, microforms, music, and gift materials included in the backlog were processed.

Unfortunately, even though the output has gone up about 50% the

number of items acquired has increased more, leaving us with an even larger backlog of unprocessed material. The arrearage in serials cataloging is our most serious problem but a growing quantity of Latin American material also is awaiting processing.

To help with these problems the Technical Services staff is planning a brieflisting program that will begin soon and will be applied especially to the Latin American material. Professor Joseph Hassett, Lecturer in Philosophy, worked for several weeks during the summer of 1966 helping the Catalog Department process some Latin and Greek books that have long been awaiting processing.

Considerable progress was made in cataloging microform titles, some 4,500 titles being processed. With the transfer of Mr. Charles Warren to the Catalog Department a large amount of music was cataloged. Mr. Warren has a background of training in music.

The clerical staff of the Catalog Department deserves much credit for work accomplished. With considerable turnover of personnel the more experienced clerks helped to train new employees and still keep the flow of work going. The addition of a full-time clerk for labeling and marking was a help in the processing work.

The Catalog Department functions may well be compared with a factory turning out quantities of a given product. It is similar to an assembly line. The output of our processing department, during recent years, has been charted by the Catalog Librarian, Mr. Donald Foster, and is shown as Figures I and II following the appendixes of this report.

The techniques described above for cataloging monographs, using L.C. proof slips, Xeroxing sets, and having clerks prepare and file, does not apply equally well with serials. There are other records, such as the

Serial Checklist cards to be prepared. During the year there were 860 serial titles cataloged, slightly less than the previous year's accomplishment. Temporary records are made to keep a form of control over serial publications, but this is not adequate. We need two catalogers devoted solely to serials cataloging.

Some years ago, at the request of the late Professor William Parish, then Dean of the College of Business Administration, we began to acquire quantities of corporation annual reports. During the past year we started getting these on microfiche instead of the paper editions which occupied so much shelf space. We receive the reports of all corporations listed on the New York Stock Exchange and probably should soon add those listed on the American Stock Exchange. While the microfiches are not cataloged they are available to users upon request.

The number of commercially bound volumes from 6,970 in 1964-65 to 7,215 in 1965-66. The addition of a second clerk in our Binding Section helped considerably with this work of preparing journals for the bindery. The replacement of lost and mutilated journals is an annoying problem and we have transferred Mr. Clark Melling from Circulation to the Binding Section to help with the replacement of these journals and with other matters concerning the maintenance of the collections. Overall the Binding Section is in fine shape and making good progress.

The staff of the Fine Arts Library performs certain processing functions for special materials. During the year they processed 2,573 slides, of which 1,550 were new acquisitions and the remainder were older slides that were recataloged. In addition to the purchase of slides a number were made by photographing plates in books.

As mentioned earlier it is not possible to process the quantity of

incoming material with the size of the present staff unless we institute short-cuts such as brieflisting. In addition we badly need to do some reclassification of older materials and this will require a special reclassification staff. The recommendation in the Tauber survey report that government publications be classified by L.C. is being followed and much reclassification as well as classification and cataloging of new materials needs to be done with these publications, difficult bibliographically. One cataloger and four clerks are devoting their entire time to this work.

The Photoduplication Service was a productive unit of the general library. The number of Xerox prints made continues to increase while microfilming and the making of enlargement prints decreases. The rapid copiers are supplanting the older methods. Three Xerox 914's were kept busy and with the start of the new year we are placing a 3M copier in the Fine Arts Library. The two Photolab technicians began the micro-filming of the Albuquerque Tribune and completed it for the years 1933-1946. This will continue to the year 1953, since when it has been commercially filmed and is now in our collections.

The staff filmed the Raymond Jonson archives, the original negatives (10 reels) going to the American Museum of Art in Detroit and positive copies being added to our collections.

We filmed over 100 of our rare New Mexico maps as a means of preservation. Positive copies of the film are now available for users. Also, positive copies of our Land Grant Records films were made to protect the negative which were getting badly used.

The Photolab staff reproduced the 8 volume Ross Calvin Journal in both film and Xerox and the Rolshoven Journal.

Some new equipment was added to the Photolab including a second Recordak Model D camera, new film rewinds, new developing tank, and a film cleaning device. With the new quarters for the Photoduplication Service opposite the Science and Engineering Department counter in the basement of the new library addition we believe that our photographic service is in an excellent condition, ready to provide the best of service to our students and faculty.

SERVICES TO READERS

While providing reference and circulation services to readers the staff, under the direction of Mr. Norris Maxwell, did a considerable amount of planning for operating the library when the enlarged building would permit the operation along broad subject lines. On January 1, 1966 Mr. Magnus Homestead began as Social Science Librarian. Miss Genevieve Porterfield, while continuing as Reference Librarian, devoted some of her time to planning future duties as Humanities Librarian. Mr. Frank O'Brien, not yet appointed as Science and Engineering Librarian was on the staff as an intern from the University of Texas and was becoming acquainted with our entire library operation.

These subject librarians compiled lists of indexes, abstracts, and journals to be divided by the four new departmental divisions. They considered the titles which had to be duplicated. They planned the book move, which proved to be a major task since volumes had to be brought from storage, intershelved with stack and reference room books and divided by the four new subject departments. In a few words in this report it is not possible to convey the magnitude of this task.

The circulation of books increased 11% over 1964-65, the total volumes

circulated coming to 272,673. Eliminating the circulation to non-university borrowers this means that we circulated an average of 25 volumes per FTE student. This is a very commendable average considering the poor stack and storage conditions under which the student body had to work. Toward the end of the year conditions were so bad that the circulation staff almost lost control of the situation. There was just no way to put books in a call-number arrangement to facilitate the finding of needed volumes.

The reserved book circulation increased by 20% over the previous year. There were 2,698 volumes on reserve the first semester, 4,102 the second semester, and 2,298 during the 1966 summer session.

Library circulation work does not consist solely of charging out books. Human nature being as we know it, there is some difficulty in getting books returned. Therefore notices must be prepared and sent. The staff sent 11,362 overdue notices, 1,720 second notices, 10,408 fine bills, and requested 762 books for replacement.

During the year 19,888 more volumes were placed in storage, bringing the total to 156,961 volumes. By daily trips with the Cushman scooter the patrons were served fairly well, there being only a few complaints. But in the words of the Circulation Librarian, "Thank heavens for the new building."

In February, 1966 the Circulation staff made the annual check on books charged out to faculty. It was found that 350 faculty members had 5,063 books charged out. The faculty, in general, cooperated very well by checking the lists of titles and reporting to the Circulation Librarian. There were eleven who did not report, and they had a total of 178 books charged out.

It is meaningless to try to report reference service by statistics. The librarians help the readers find materials and information by using every resource at their command. The questions asked range from an address of a person in San Francisco to material on the care and feeding of seals. Many inquiries concern the identification of publications most of which originate from inaccurate citations in publications or from individuals. Then, there is the recurring question about the "official" ratings of educational institutions. We are grateful for the Cartter study An Assessment of Quality in Graduate Education, for this at least offers something for the graduate level institutions.

Reference librarians in their everyday activities see the need for additional bibliographic work and for publications not in existence. There are frequent requests for information about theses and dissertations on specific subjects. We need such a publication for our own institution's theses and dissertations. There is also a need for better indexing of book reviews. One could go on. It is unfortunate that reference librarians could not be granted sabbaticals to work on some of these needed bibliographic projects, for the pressure of regular duties with rising enrollments makes it almost impossible to accomplish research and publication.

The Interlibrary Loan Service has continued to increase. Borrowing increased by 9.6% and loaning by 13%. Since many research libraries will no longer lend actual volumes but will substitute photocopies we have had to change certain procedures. We now collect the charges directly from the person obtaining the photocopy and pay the library furnishing the material. This couldn't be called a true library function, and it adds to the work of the staff, but seems a necessity.

The work of the Special Collections Librarian, Miss Carol Thomasson, is very special indeed. She processes material and provides services to readers with materials such as archives and manuscripts, maps, rare books, and journals, pamphlets and books on New Mexico history. There were 3,106 researchers who used the collections during the year, and they were from such faraway states as New Hampshire, Washington, Minnesota, and from such foreign countries as Argentina, Mexico, and Australia. Of course most were from this area. She helped researchers with the papers of such individuals as Fall, Bursum, Catron, Otero, Pratt, Rucker, Steck, Ilfeld, Bond, Austin, and Ritch. She gave assistance with the land grant microfilm, census records, maps, archives of the Santa Fe National Bank, and many other special collections. She arranged the Vermejo Park papers, the Waldo Rogers papers, and some additions to the Mary Austin material.

The Special Collections Librarian inventoried the New Mexico map collection and secured some additions. She rearranged the pamphlet file. She inventoried the Coronado Room Collection of New Mexico history and the Rare Book collections. She did further processing of the Scholes' collection of Spanish archival photoprints, and reported our holdings to the Manuscript Division of the Librarian of Congress.

She prepared exhibits for the Library, such as the following:

- A.M.S. Plastic Relief Maps
- New Mexico Santos
- Pottery by Maria of San Ildefonso
- Photographs from the Henry A. Schmidt Collection
- Mary Austin Material
- Selections from Memorial Gifts
- Selections from Recent Acquisitions of French Books

The Fine Arts Library.

The use of the Fine Arts Library, as measured by the number of in-

dividuals going through the exit turnstile increased from 61,835 to 88,486, an increase of 43.1%. The total circulation of books, records, tapes, and slides increased from 65,866 to 84,753, an increase of 28.8%.

These increases were caused by increases in general University enrollment and especially by enrollment increase in the College of Fine Arts. But, in addition, the staff of the Fine Arts Library gave every student enrolled in the College of Fine Arts a tour of the library at the first of the year and, in addition, conducted a trial project of library orientation with students enrolled in the Freshman music theory courses. It is planned to extend this orientation through the Departments of Art and Architecture.

Very important in the service of the Fine Arts Library is the Listening Center. Use of this facility increased 45.9% over the previous year. Also a somewhat limited, but heavily used, facility for viewing slides was inaugurated. A Kodak Carousel projector was installed in a case that can be operated only by staff members. They load the projector which then operates automatically to project the proper slides for students in certain art and architecture courses.

INSTRUCTION IN LIBRARY SCIENCE

During the fall semester of 1965-66 Mrs. Helen Saunders taught the course L.S. 427, Classification and Cataloging. It was necessary to limit enrollment to 30 students for laboratory-type instruction required in this course. During the second semester she taught L.S. 429, Book Selection for Young People, with an enrollment of 64.

It became evident that the need for more instruction in Library Science was fast increasing, and an agreement was made by the Dean of the College of Education and the officials of the Albuquerque Public

Schools to seek an Assistant Professor of Library Science for half-time teaching at the University and half-time service as a library consultant with the Albuquerque Public Schools. This was especially needed because of developing elementary school libraries with the assistance of Federal funds. We were fortunate to obtain Dr. Elinor McCloskey who began in this dual position in September, 1966.

During the spring months there were some discussions among New Mexico librarians about the need for a graduate library school to produce master's level professional librarians. This discussion has continued informally since that time and will continue, and such a school seems likely to materialize at some future time. It will, no doubt, be located here at the University of New Mexico.

During this year we divided the course formerly called School Library Administration into two courses, The Secondary School Library and The Elementary School Library. There was a need for this because of the fast-developing elementary libraries with their special problems of administration and service.

For the 1966 summer session we scheduled Classification and Cataloging and The Elementary School Library. We were pleased to have Mrs. Alice Frederick of Berkeley, California as Instructor. She has had much experience in school library service and has taught library science at the University of Denver and at Southern Oregon. She is now District Librarian for the Orinda, California Union School District. The enrollment for Cataloging was 38 and for The Elementary School Library was 56.

Two courses will be offered each semester during 1966-67 and we hope to offer three during the 1967 summer session. Step-by-step we

are increasing our instructional program in this professional field, but probably not enough to satisfy all, judging from the letters, telephone calls, and visits to my office by people who desire that we move faster toward a graduate library school which will prepare librarians, not only for school library service but also for public, college and university, and special library service.

THE STAFF

From the last Report to the present the total staff size of all campus libraries increased from 64 to 82 persons. Of these 31 are librarians and 51 are non-professional assistants. This ratio of professional to non-professional seems about in accordance with standards of the American Library Association established some years ago.

The shortage of professional librarians will cause us to use even more clerical workers in the future and will bring about more training on the job, with the consequent development of a group of sub-professionals. This we need to do at the University.

The move into the library addition to Zimmerman plus the increase of hours of service to 9 $\frac{1}{2}$ weekly has caused some increase in the size of the Zimmerman staff. We have a subject librarian and one clerk on each of the four subject floors. This is currently the most crucial staffing need. We definitely should have two subject librarians on each floor to serve our present 13,000 students.

During the summer of 1966 we were saddened by the death, from a heart attack, of Mr. Robert B. Harness, our Government Publications Librarian since July 1, 1951. He was a native of Ohio who received his education at Ohio State University and at the Columbia University

School of Library Service. He served as a newspaper reporter, as a cryptographer in the U. S. Army Air Force and as a librarian at the New York Public Library, New York University Law Library, the University of Illinois Undergraduate Division Library, and for 15 years on our staff. We will not seek a librarian to replace Mr. Harness in the same position for we are handling the government publications now in the reorganized manner recommended in the Tauber survey report.

Turnover of clerical staff remains one of our more serious problems because there is a loss of efficiency during the period of time required to train new workers. This is offset by the fact that a fairly large number of non-professional assistants have been with us now for several years and cheerfully carry on the work while helping the younger members. The turnover among librarians is fortunately fairly low. From the general library we lost four during the year. Miss Claire Bensinger, Cataloger, resigned to continue her education, especially in languages, that she might be a more effective librarian. We considered her one of the best but admired her for this ambition. Mr. Ben Johnston resigned to enter a theological seminary for more training for church youth work. Mr. Larry Welch resigned to travel in the Pacific area and work for a period of time in Australian libraries. Miss Helene Ott resigned to join the staff of the Stanford University Libraries as a cataloger.

New staff members added were Mr. Magnus Homestead as Social Science Librarian, Mr. Sidney Yen as a Cataloger, Miss Carol Thomasson as Special Collections Librarian, Miss Marilyn Pendleton as Assistant Acquisition Librarian, and Mrs. Katherine Polich as Cataloger. Mr. Frank O'Brien served for 9 months as an Intern from the University of Texas

Graduate School of Library Science.

Special Activities.

Mr. Arthur DeVolder made an outstanding contribution toward making our serial collections more usable by producing a volume called the Zimmerman Library ... Serials Rotary File List. This volume of 178 pages was distributed to departments on campus, to other New Mexico libraries, and is being sold to students and others who want a convenient record of our serials holdings. Mr. DeVolder plans to continue working on supplements or on some other method of keeping this up to date.

Mr. Norris Maxwell and Mr. Jerome Simpson travelled to Arizona State University at Tempe during March, 1966 to study the machine circulation system used there and to observe the features of the new library building.

Miss Mary Ellen Soper attended the 10th Seminar on the Acquisition of Latin American Materials in Detroit during early July, 1965. Mr. Larry Welch attended the Detroit conference of A.L.A. in July, 1965 and visited Southern Illinois University to study their IBM 357 circulation system.

As President-Elect of the Southwestern Library Association I participated in meetings of the SWLA in Dallas during October, 1965 and also at the A.L.A. Midwinter meeting in Chicago during January, 1966. I also made recruitment contacts during this meeting.

The New Mexico Library Association met in Carlsbad in April, 1966 and was attended by Miss Marilyn Pendleton, Mr. Donald Foster, Mr. Charles Warren, Mr. Jerome Simpson, Mr. Donald Roberts, and Mr. Kelley.

Mr. Donald Roberts continues his musical activities with the Albuquerque Symphony Orchestra, being President and Personnel Manager, with

the New Mexico Chamber Orchestra, Albuquerque Wind Ensemble, and other musical groups. He was host for a meeting in Albuquerque of the Society for Ethnomusicology. He was author of "Some Notes on Indian Music of the Southwest" in Western Review II, no. 2, Winter, 1965, pp. 23-24.

THE NEW BUILDING ADDITION

The news of most striking importance to us at this time concerns the completion and occupancy of our enlarged library building. Planning for this addition started in the meetings of the Faculty Library Committee quite a few years ago, and a large number of committee meetings have been held, and individual conferences conducted, and a trip made by one of the architects and the University Librarian during December, 1961 to observe other recently built university library buildings. After all the effort of faculty members, librarians, administrative officials, federal government officials (for there was some federal government money involved), architects, builders, and furniture suppliers, one may understand our happiness to have, in reality, a more adequate and beautiful physical plant. In round figures, the original Zimmerman Library had 60,000 sq. feet of space and the addition is about 100,000 sq. feet.

When the remodeling of the older building is completed we will have seating for 1,632 readers and shelving for about 500,000 volumes. The seating is made up of a variety of types, some tables for four, tables and chairs in conference rooms that will accommodate up to 16 persons, tables and chairs in typing rooms and micro reading rooms, lounge chairs, faculty studies, and carrells, both individual and in quads. Shelving is conventional free-standing, 90" steel stack for the monographs and bound volumes of journals, and divided shelving to make three or four

compartments per shelf for unbound periodicals, arranged alphabetically by title.

The reading areas are carpeted, and lighted by an excellent system of 3,000 cycle current with flush-with-the-ceiling fluorescent fixtures. The four floors, each devoted to a broad subject area, are connected with a central stairway. An interesting feature of this stairway is the sculptured mural on the wall of the stairwell which was designed and executed by Prof. John Tatschl of the University's Department of Art. The mural depicts the history of alphabets, with prehistoric wall scratches at the base of the stairwell and leading up to Uncial and German Black Letter at the top. Another large wall painting, composed of Indian designs, was painted by Prof. Tatschl opposite the main library entrance on the south side. It is colorful and attractive.

CONCLUDING OBSERVATIONS

In harmony with our feeling of jubilation about this new building addition and remodeling, which more than doubles the usable space, I wish that I could honestly state that we now are prepared for a number of years to serve adequately our students and faculty -- but such is not the case. When all books were removed from storage and shelved in the new areas we had filled too large a proportion of the available shelves. The A.L.A. has recommended building to last about 20-25 years, but our Science and Engineering Department will be needing more shelf space in about two years. In three years or so the Humanities, Social Science, and General Reference departments will need more shelf space. Seating is now insufficient. We have library seats for 12.5% of the present enrollment and this should be about 20%. The area for Technical Services, while it appears large, is already not adequate. One staff

member is located practically in the hallway. This just points up the fact that universities are growing faster in enrollments and the production of literature is increasing faster than we can cope with in terms of library buildings, equipment, and staffs. Our story of inadequacy has been repeated many times by other universities over the country.

The fact that university libraries lag too far behind the growth of the institutions as a whole was recognized by Congress in the passage of the Higher Education Act of 1965. Libraries must be better supported if we are to meet our educational obligations.

As reported earlier in this Report our general library collections grew by 9.5%. This is an excellent growth rate, for the "normal" is considered about 5%, but we must push to a higher growth rate if we are to give adequate library service for a university that is expanding even more rapidly. By the standards of the American Library Association we should have 50,000 volumes for each 600 students. Therefore, at this writing we should have a general library collection of 1,083,000 volumes. We actually have 381,234 volumes, or 35% of the recommended quantity.

The plight of the general library is aggravated by the fact that many new courses are being added in most departments. In many cases new courses add a completely new subject field in which library resources are very weak or are completely lacking. And in many of these new fields there is a new professor who has research interests requiring strong collections. To indicate this more specifically I have listed courses appearing for the first time in the 1966-67 general catalog in a selected number of departments.

BIOLOGY: Insect Ecology
 Plant Mineral and Water Relations
 Plant Metabolism and Growth
 Genetics of Speciation
 Insect Physiology
 Physiological Plant Ecology

ECONOMICS: Central Banking
 Seminar in Labor Economics
 Seminar in State and Local Finance
 Interdisciplinary Seminar on Problems of Modernization
 in Latin America

CHEMICAL ENGINEERING:
 Theoretical Physical Metallurgy
 Physical Metallurgy of Alloys
 Ceramics
 Plastics
 Seminar in Materials
 Physical Metallurgy Laboratory

CIVIL ENGINEERING:
 Water Resources and Hydraulic Engineering
 Drafting IV
 Plastic Design of Framed Structures
 Intermediate Soil Mechanics
 Soil and Rock Engineering in Arid Regions
 Prestressed Concrete
 Theory of Shells
 Hydraulic Structures
 Structural Reliability
 Random Vibrations
 Soil Dynamics

ELECTRICAL ENGINEERING:
 Senior Laboratory
 Electronic Devices

MECHANICAL ENGINEERING:
 Introduction to Engineering Design
 Engineering Statistics and Quality Control
 Analysis of Mechanical Control Systems
 Advanced Engineering Analysis
 Viscous Non-Isothermal Fluid Systems
 Radiant Heat Transfer
 Theory of Shells in Mechanical Engineering
 Convection
 Kinetic Theory and Statistical Mechanics
 Random Vibrations

MATHEMATICS:
 Elementary Probability and Statistics
 Calculus with Coordinate Geometry

MATHEMATICS (continued)

Generalized Functions and Operational Methods
 Undergraduate Honors Seminar
 Foundations of Mathematics
 Introduction to Topology
 Stochastic Processes for the Physical Sciences
 Functions of a Complex Variable
 Elements of Numerical Analysis
 Numerical Applied Mathematics
 Analytic Number Theory
 Algebraic Number Theory
 Selected Topics in Number Theory
 Abelian Groups
 Lattice Theory
 Theory of Rings
 Algebraic Topology
 Differential Geometry
 Selected Topics of Geometry & Topology
 Stochastic Processes
 Classical Harmonic Analysis
 Seminar in Number Theory
 Theory of Groups
 Multilinear and Homological Algebra
 Seminar in Algebra
 Algebraic Geometry
 Seminar in Geometry and Topology
 Seminar in Probability & Statistics
 Seminar in Analysis
 Theoretical Numerical Analysis
 Differential Operators
 Seminar in Applied Mathematics
 Seminar in Function Analysis

But, despite our difficulties, it is a cause for rejoicing to know that we have been able to accomplish a great deal in 1965-66, and we thank the University Administrators, that Physical Plant staff who helped us with a most difficult library move, the members of the library staff, and those energetic and capable student assistants who worked so faithfully all year and especially in late August and early September, 1966 when they gave their best efforts in that now-famous move.

Respectfully submitted,

David Otis Kelley
 David Otis Kelley
 University Librarian

November, 1966

APPENDIX A

SIZE AND GROWTH OF THE COLLECTIONS

	<u>Zimmerman and Fine Arts Libraries</u>	<u>Medical Library</u>	<u>Law Library</u>	<u>Totals</u>
Number of Cataloged Volumes June 30, 1965	348,073	28,702	61,876+	439,268
Volumes Added (net) 1965-66	33,161	2,020	3,500	38,681
Number of Cataloged Volumes June 30, 1966	381,234	30,722	65,376	477,949
Percentage Increase Over Previous Year				8.8%

Other Processed Material in the Libraries:	<u>June 30, 1965</u>	<u>Net Added 1965-66</u>	<u>June 30, 1966</u>
Government Publications	157,174	2,646	159,820
Maps (approximation)	55,718	125	55,843
Microfilm (reels of varying lengths)	8,599	1,583	10,182
Microcards	111,882	8,692	120,574
Microfiches	--	1,613	1,613
Phonodiscs	12,525	220	12,745
Tape Recordings	698	383	1,081
Slides	54,193	3,972	58,165

+Adjusted figure

APPENDIX B

PROCESSING OF MATERIALS

Zimmerman Library

	<u>1964-65</u>	<u>1965-66</u>
New Titles Cataloged-----	13,830	18,378
Volumes Added:		
By Purchase-----	14,532	18,364
By Gift and Exchange-----	2,216	7,669
By Binding of Periodicals-----	5,945	6,186
Totals	<u>22,693</u>	<u>32,219</u>
Number of Titles Recataloged-----	225	165
Number of New Serial Titles Added-----	846	848
Total Number of Serial Titles in the Checklist-	13,799	14,647

	<u>1964-65</u>	<u>1965-66</u>
Binding: (in volumes)		
Commercial Bindery:		
Books -----	1,412	1,483
Periodicals -----	5,334	5,467
Theses -----	224	265
Totals	<u>6,970</u>	<u>7,215</u>
Home Bindery:		
"Z" Binding -----	1,574	2,711
Tying of Incomplete Volumes -----	1,696	2,633
Totals	<u>3,270</u>	<u>5,344</u>
Photographic Services:		
Negative Microfilm Frames -----	77,313	56,752
Enlargement Prints -----	3,307	1,816
Xerox Prints -----	150,318	179,374

APPENDIX C
USE OF LIBRARY RESOURCES

	<u>1964-65</u>	<u>1965-66</u>
Zimmerman (General Library)		
One Month Loans -----	171,279	182,827
Loans of Serials and Government Publications -----	28,327	35,163
Reserved Book Loans -----	45,953	54,683
Interlibrary Loans:		
Loaned -----	879	998
Borrowed -----	1,543	1,692
Fine Arts Library		
One Month Loans -----	14,955	13,541
Reserved Book Loans -----	7,700	9,627
Loans of Records and Tapes -----	7,930	11,570
Loans of Slides -----	35,281	39,472
Medical Library		
Regular Loans -----	3,193	10,693
Reserved Book Loans -----		914
Interlibrary Loans:		
Loaned -----		462
Borrowed -----		265

APPENDIX D

EXPENDITURES

	1964-65	1965-66
<u>Zimmerman and Fine Arts</u>		
Books and Other Materials:		
Departmental Fund-----	\$131,096.46	\$143,125.55
General Book Fund-----	28,602.22	32,934.14
Special Purchases Fund-----	26,251.80	29,323.80
Replacement Fund-----		2,151.23
Engineering Fund (Special)-----	2,511.82	3,958.11
Fine Arts Materials (Slides, tapes, etc.)-----	3,396.84	3,851.15
+Arra Williams Memorial Book Fund-----		298.83
+John Knox Musgrave and John Mawhinney Memorial-----	67.73	134.50
+Eva Spring Memorial-----	28.28	7.22
+Rose Tauber Memorial-----	56.31	84.06
+Latin-American Book Fund-----		8,877.68
+Friends of the Library Fund-----		1,125.90
+Civil Engineering Research Facility---	444.72	326.41
+Civil Engineering Grant-----	131.87	68.13
+MDEA English Institute-----	278.82	316.28
Sub-Total	\$199,506.77	\$226,899.89
++Supplies and Expense-----	12,741.39	12,431.50
Equipment-----	4,969.26	4,585.58
Binding-----	26,570.57	27,207.12
Salaries-----	203,914.00	243,022.52
Student Assistance-----	39,863.65	49,127.45
Social Security, Retirement, and Travel-----	21,008.57	27,702.56
Total Expenditures, Zimmerman and Fine Arts	\$508,574.21	\$590,976.62
<u>Law Library</u>		
Books and Other Materials-----	17,018.40	39,156.00
Binding-----	1,066.35	1,513.20
Salaries-----	17,533.00	24,166.96
Student Assistance-----	8,330.44	9,300.76
Supplies and Expense-----	2,215.62	2,658.54
Total, Law Library	\$47,513.64	\$76,795.46
<u>Medical Library</u>		
Books and Other Materials-----	\$31,000.00	\$30,737.03
Binding-----	10,000.00	10,499.10
Salaries-----	63,575.00	63,468.75
Supplies and Expense-----	12,000.00	15,246.39
Equipment-----	1,000.00	639.64
Total, Medical Library	\$117,575.00	\$120,590.91

1965-66

Total Expenditures for Libraries-----

\$788,362.99

+Non-institutional funds.

#Partly institution and partly non-institutional funds.

+This entry includes items not usually considered library expense, such as: The cost of publishing dissertations on microfilm, retirement, and social security.

Percentage Distribution of Expenditures

	<u>Amount</u>	<u>Percent of Total</u>
Books, Periodicals, and Binding	\$336,012.34	42.6%
Salaries and Wages	389,086.44	49.3
Supplies, Expense, and Equipment	63,264.21	8.1

Ratio of Library Expenditures to Total Expenditures of the University
for Educational and General Purposes -- 7.4%

APPENDIX E

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New Mexico Association of Osteopathic Physicians and Surgeons. Auxiliary
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 New Mexico Historical Review
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 Optimist Club, Albuquerque Branch
 Owen Laboratories, Inc.
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 United Presbyterian Church, Synod of New Mexico
 United States Air Force. Kirtland Air Force Base, Albuquerque
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 United States Marine Corps. Albuquerque Recruitment Office.
 Western Interstate Commission for Higher Education
 Xerox Corporation. Albuquerque Regional Office

APPENDIX F

NOTABLE ACQUISITIONS

Akademii Nauk, SSSR Institut Arkheologii: Kratkie soobscheniia o dokladykh i polevykh issledovaniakh. 76 numbers.
 Akademii Nauk SSSR Institut. Etnografii trudy novaya seriia. 75 numbers.
 The American scene. v. 1-5.
Annalen der Physik, Series 1-5, 1790-1944. Microcard edition.
Art in America; reprint of v. 29-30, 35.
Art Quarterly; reprint of v. 1-3, 8-10, 15, 18-19, 24-25.
 British Broadcasting Corporation. BBC music library catalogues. 9 vols.
The Burlington Magazine, 1911-1963.
 Caso, Alfonso. Interpretation del Codice Belden A/II. Mexico, 1963.
 Chemical Society of Japan. Bulletin; reprint of volumes 1-10, 1926-1935.
Childhood Education; reprint of v. 1-7, 9-11.
Christian Science Monitor; microfilm edition, 1938-1963.
 Cleveland Public Library, John G. White Department. Catalog of folklore and folk songs. Boston, Mass., G. K. Hall, 1965. 2 v.
 Codex Egerton 2895 (Codex Wecker Götten) Farbentzue Faksimile.
 Ausgegeben de Xmixtek. Bilderhandschrift im Besitze de British Museum. Graz, Akademische Druck, 1960-1.
Documents on International Affairs; reprint of 1928-1936, 1938.
 Engelmann, George. The Botanical works of the Late George Engelmann. Gmelin, Leopold. Handbook of inorganic chemistry. System 52, pt. A, Section 2 and pt. B. 1965.
International journal of bioclimatology and biometeorology; reprint of v. 1-4, 1957-1960.
Isis; reprint of v. 2, 3 and 5.

Journal of political economy; reprint of v. 14-16, 18-20.
Kyklos; reprint of v. 1-7.
Literary Digest, v. 1-31, 1890-1905.
Madison, James. James Madison papers. Microfilm. 28 reels.
Martens, George Friedrich von. The Martens collection of treaties.
 v. 1-30, Microcard editions, 1965.
Matematische nachrichten; reprint of v. 5-6, 9-10, 19-20.
Materialy i issledovaniia po archeologii SSSR. 93 volumes.
Mind; a quarterly review of psychology and philosophy; reprint of
 v. 1-29, 46.
The Monthly catalogue, March 9, 1723- December, 1729.
Le musee des familles. Lectures du soir, 1883-1845. 8 v.
Political science quarterly; reprint of v. 11-20.
Prairie Schooner; reprint of v. 1-4, 12-15.
La presse; microfilm of 1844-1850.
The reading teacher; reprint of v. 1-15.
Revue de metaphysique et de morale; reprint of v. 1-17.
Robaut, Alfred. L'oeuvre de Corot. Paris, Leonce Laget, 1965-66.
 5 vols.
Scamozzi, Vincenzo. L'idea della architettura universale. Reprint.
Societe de l'Histoire de France. Publication. Reprints of selected
numbers.
Sociology and social research; reprint of v. 5-6, 9-10, 19-20.
Sovetskaja Arheologija. 5 vols.
Virginia. University. Library. Jeffersonian Americana. 2,000
microfiche.

Provided by Funds of The Friends of the Libraries

Clark, Harry Hayden. Works on Eighteenth Century literature. 900 vols.

Papers of the Presidents, on microfilm:

Martin Van Buren, 35 reels
 William Henry Harrison, 3 reels
 John Tyler, 3 reels
 Zachary Taylor, 2 reels
 Franklin Pierce, 7 reels
 Andrew Johnson, 55 reels
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APPENDIX H

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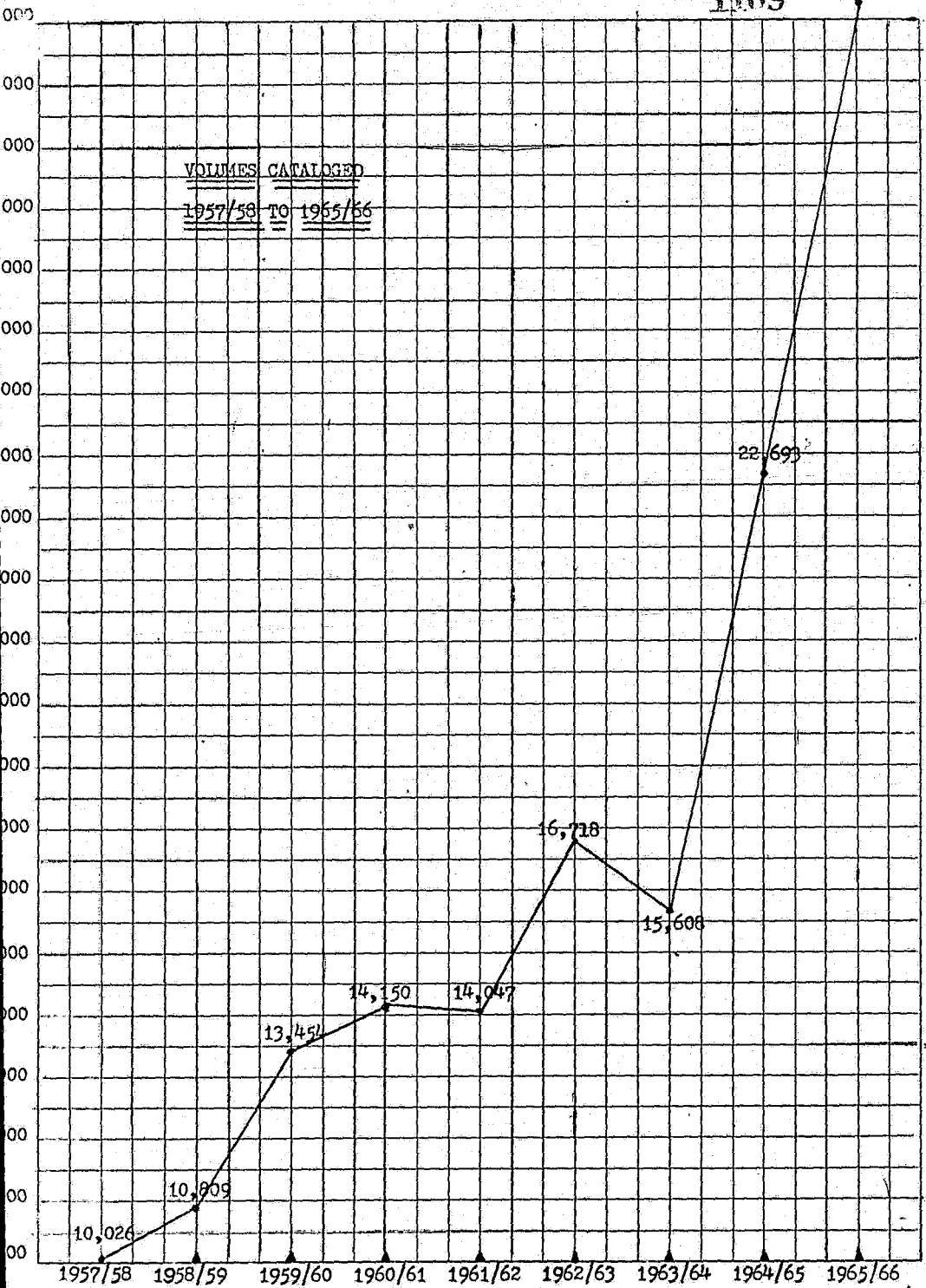
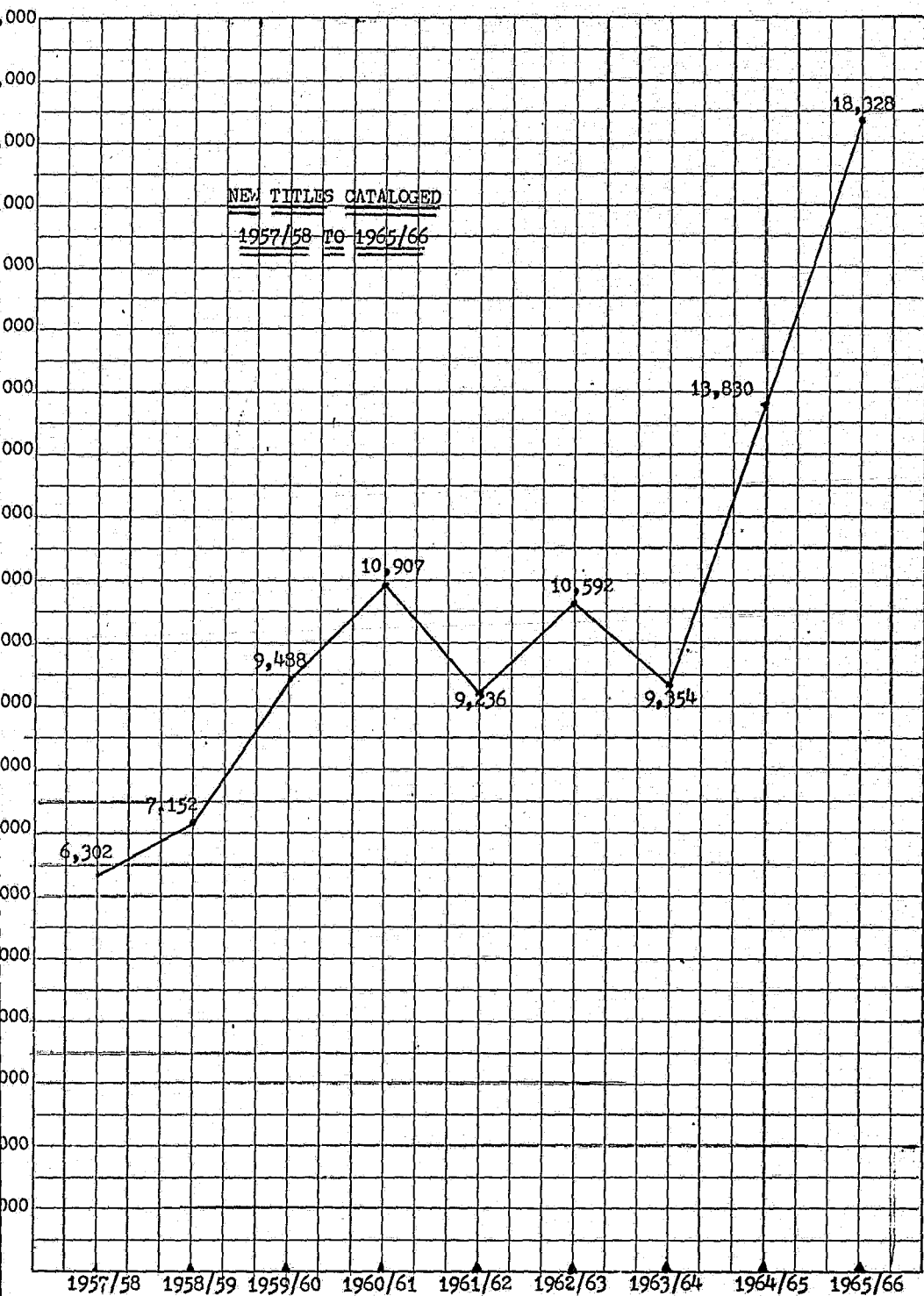


FIGURE II

1110



Report of the
PEACE CORPS TRAINING CENTER FOR LATIN AMERICA

July 1, 1965 to June 30, 1966

Dr. David T. Benedetti, Director

During the three training cycles covered in this report the Training Center received 385 trainees, of whom a total of 261 were graduated and sent to five Latin American countries as Peace Corps Volunteers. In these seven groups of trainees there were six major specialties: Health, Rural and Urban Community Development, Teaching English as a Foreign Language, Educational Television, and Physical Education.

In addition to campus and field training in its major specialty each group received training in a variety of components, including: an intensive audio-lingual Spanish course; Community Development; Intercultural Studies, which included World Affairs and Communism, U. S. Institutions, comprehensive study of the host country, and Current Events; a medical program including lectures, medical self-help, and mental health discussions; technical skills instruction, including simple construction, audio-visual aids, homemaking, and literacy teaching; an Outward Bound and Physical Training program which included daily physical conditioning, recreation skills, drownproofing, trekking, and horsemanship; and Agricultural Skills.

All of these programs were directed by Dr. David T. Benedetti. The Regional Training Officers were Mr. Thomas Reynolds (Summer, 1965) and Mr. Albert R. McAhrn (Fall, 1965 and Spring, 1966). Field Selection Officers were Dr. Hal Robinson, Dr. Sol Garfield, Dr. John Napoli, and Dr. Wilbur Layton. A summary of each program follows.

Colombia Health Nurses, No. 65-02-06. This June 21-Sept. 11 training program consisted of 746 training hours, given during eight weeks on campus and four weeks of field experience in health facilities in Albuquerque, Santa Fe and other New Mexico locations. Sixty-three trainees entered the program, and 42 were graduated as Volunteers. Dr. Vaughn Smith served as Health Coordinator, and a number of individuals from Colombia participated in the program: Miss Betty Hutchinson, Associate Peace Corps Director in Colombia; Dr. Pedro Nel Saavedra, Chief of Health Education in Colombia; Dr. Joseph D. Wray, Peace Corps host country physician; and Miss Melinda Baldwin, returned Peace Corps Volunteer from Colombia.

Colombia Rural Community Development, No. 65-03-06. This program also trained from June 21 to September 11, and consisted of a total of 746 training hours. Ten weeks of the program were on campus; two weeks of field training were given in seven villages in New Mexico. Mr. John Arango served as Community Development Coordinator. Of the entering 112 trainees, 72 were graduated.

Senior Year Program, Bolivia (No. 65-02-06), Ecuador (No. 65-01-06), and Peru (No. 65-03-06). This was Phase III of a Rural Community Development training program for a group of trainees who had undergone Phase I during the summer of 1964 at Camp Radley, Puerto Rico (and had been supervised by Mr. Gary Robinson of Southern Illinois University during Phase II, their senior year at college). Our portion of the training extended from June 21 to July 31 and consisted of 425 training hours. Thirty-three trainees arrived, and 24 were graduated. Mr. John Arango, the Community Development Coordinator, had toured the three host countries for two months gathering material pertinent to their training.

A novel program structure was utilized. While training in Spanish and physical conditioning were continuous throughout the campus program, the overall program was divided into five blocks arranged in the following sequence: The Host Country, The Community, Technical Skills, Community Development (including two weeks of field work in New Mexico communities), and Prepare for Overseas. This procedure culminated with each trainee preparing and presenting, to an interdisciplinary staff group, his plans for working in his host country village.

Chile Community Development, No. 513-65-x-xx-x-06). Eighty-one trainees began their training October 11, 1965, and on February 1, 1966, 50 were selected for overseas assignments. A planning conference had been held in June, 1965 with Mr. William Moffett, Peace Corps' Representative in Chile, and Mr. Albert Lewis, Training Officer, Chile.

After six weeks of training the group was divided into three sub-groups, after which they followed separate training tracks in preparation for work with three Chilean agencies: the Junto de Adelanto de Arica (JAA), The Chilean Federation of Credit Unions, and the Fundacion de Viviendas y Asistencia Social (FVAS). Each group received approximately 890 hours of training.

Mr. Stephen Denlinger, the Community Development Coordinator, had visited Chile in September, 1965 in preparation for this program, and many consultant/trainers were utilized in the various tracks, including: Sr. Emilio Quintana, Chief of the Rural Community Development Department, JAA; Sra. Ester Bekerman, Chief of the Department of Social Assistance, FVAS; Mr. Mel Romero, Contractor's Overseas Representative for CUNA International, Inc.; Mr. Gaston Morales of the Chile Federation of Credit Unions; Mr. John McGraw of the Federal Bureau

of Credit Unions; Mr. Rafael Davila of the Puerto Rican Federation of Consumer Cooperatives; Mr. Wiley Daugherty of the New Mexico Credit Union League; and three domestic specialists of CUNA International--Mr. Edwin Palenque, Director of Field Services, World Extension Department; Mr. Sydney Forbes, Assistant Director, Organization-Expansion Department; and Mr. Clinton Anderson, Loss Prevention Specialist.

All trainees were given an early "cultural immersion," in which they spent three days of their first week here living with Spanish-speaking families in poorer sections of Albuquerque and nearby villages. Later in the program each of the three groups had its own two weeks of field experience. The FVAS trainees stayed with local families in various areas of Albuquerque: East San Jose, North and South Barelmas, Martinez Town, Los Griegos and Las Padillas. The JAA trainees lived and worked in Spanish speaking communities of the Pecos Valley: Ribera, San Jose, Sena, Villanueva, Gonzalez Ranch, and El Ancon. In connection with the New Mexico Credit Union League the Credit Union trainees participated in credit union activities in various credit unions in Albuquerque, Santa Fe, and the Mora area.

Colombia Education, No. 514-66-01-02, consisted of two programs, with 42 and 34 being the total numbers of trainees and graduates, respectively.

(a) Teaching English as a Foreign Language (February 21 to May 14, 1966).

Mr. C. Harold Williams was the coordinator of Technical Skills for the TEFL contingent. He had been Director of Courses at ILCA, the Instituto Linguistico Colombo-Americano, in Bogota, and had helped produce the ILCA guides to be used by our Volunteers in Colombia.

In the original 588 hour program design, practice teaching was planned to permit the trainees to teach each other during the fifth week; from the

sixth through the twelfth weeks trainees were to have the experience of teaching English as a foreign language to a group of Normal school teachers from Ecuador; these teachers did not arrive on campus as scheduled, thus making it necessary to revise the teaching procedure.

During the fifth week the trainees taught each other as planned; during the sixth and seventh weeks they observed teaching methods and taught short segments of English classes to foreigners at a local high school; during the eighth week the trainees were assigned reading and discussion periods, at which time they talked about problems relative to their experience in practice teaching.

During the fourth week the trainees had, under supervision, adapted the materials in use at the high school where they did practice teaching during the sixth and seventh weeks. During the eighth week many trainees had the opportunity to do English tutoring for foreign students attending the University. The Normal school teachers from Ecuador finally arrived during the ninth week, permitting the original program design to be resumed. Practice teaching of the Ecuadorians continued through the eleventh week, during which time the trainees presented the ILCA Guide material, under supervision. After each session of practice teaching, critiques of procedures and methods were held by trainees and their supervisors.

(b) Educational Television (February 21 to May 21, 1966).

Dr. Claude Hampen, Director of KNME-TV, was coordinator for this specialty, assisted by Dr. Wayne Bundy. The trainees were given a 700-hour program including intensive instruction in all phases of educational television, with particular emphasis on teaching and the effective use of lesson outlines.

Four field sites were used for practice teaching: Las Lunas, Belen,

Canjillon, and Pojoaque. The trainees rotated sites, with each sub-group having one week at each site. Trainees lived with Spanish-speaking families, and received 10-12 hours weekly of classroom instruction in Spanish from our own staff.

During the first days of the program it was decided to increase the emphasis upon teaching methods and techniques, and Dr. Frank Angel of the UNM College of Education was called in to provide these. Mrs. Jan Taylor, a returned ETV Volunteer who had had her Peace Corps training at UNM, assisted in the arrangement of logistics and gave the trainees information about the practical application of their knowledge in the Colombian ETV setting.

Colombia Physical Education, No. 514-66-02-02. This program was planned with the assistance of Mr. Ellis Carassco, who was to supervise these Volunteers in Colombia. Dr. Arnold Seidler, chairman of the Health, Physical Education and Recreation Department at UNM, was the specialty coordinator for this contingent.

Of the 710 hours involved in the entire program, approximately 270 were devoted to thirty topics and areas in physical education. There was an emphasis upon practice teaching, which the trainees accomplished in University classes; these sessions were followed by critiques. The program extended from February 21 to May 14; 25 trainees entered the program, and 18 graduated.

Ecuador Urban Community Development, No. 518-66-02-02. This program ran from February 28 to May 29, 1966; of the 29 trainees who began the program, 21 graduated as Peace Corps Volunteers. The training was planned in consultation with Mr. William Gschwend of Peace Corps/Ecuador, and the Community Development coordinator was Mr. Stephen Denlinger.

The main feature of this 685-hour program was a heavy emphasis upon field experience. Five weeks were spent by trainees in the field. During one week, early in training, trainees lived with Spanish-speaking families of Albuquerque while they studied the functioning of municipal government in several departments of the City of Albuquerque: Department of Planning, Municipal S.O.P. (Maintenance), Engineering (Public Works), Personnel Management, Finance, and the Office of the City Manager. Trainees followed their observation periods with debriefing sessions conducted by the supervisors of the respective departments.

The second field experience, later in training, was held in Juarez, Mexico, where trainees were housed with private families in the barrios (slums). Arrangements were made with the Municipal President (mayor) to place the trainees in the Public Works Department of the City of Juarez, where they studied in various sub-departments: Municipal Land, Personnel and Public Relations Office, the Municipal Treasury, ^{and} several offices in the City Hall. Certain ongoing projects were visited, including street paving, construction of low-cost housing and municipal parks, zoning works, and subdivision of land in the slum areas (where the trainees lived). The Technical Specialists (such as architects and engineers) among the trainees also spent a few days in comparative study across the border in municipal government offices of El Paso, Texas: City Clerk's Office, Comptroller and License Division, Personnel Department, Planning and Learning Department, and Public Works Department. Formal training in Spanish and Community Development was continued throughout the field period. During the last two days of the field experience trainees devoted themselves to summarizing what they had learned and to additional independent study in terms of their individual needs.

Final Comment. Perhaps the most noteworthy features of this year's operations were (a) the fine response of the Training Center staff to the challenges of mounting training programs in several different specialties, including as many as four at once; and (b) the increased emphasis upon more extended and realistic field training.

Herewith are exact reproductions of the major exhibits and schedules which are included in the annual audit report for the fiscal year ended June 30, 1966. It is believed that these fairly present the financial condition of The University of New Mexico on June 30, 1966, and the results of its operations during the fiscal year then ended.

There is a complete audit report, by Denham, Youngberg & Co. Certified Public Accountants, on file in the Business Office, which is available for inspection by any interested member of the University faculty or administration.

Tom L. Popejoy, President
John Perovich, Comptroller
Joe D. Harris, Asst. Comptroller
Eleanor Manson, Administrative Assistant
Frank D. Manfredi, Purchasing Agent
Robert V. Blailock, Accountant, Research Administrator
Eugene H. Bergman, Internal Auditor

Albuquerque, New Mexico
January 10, 1967

TABLE OF CONTENTS

	<u>Page</u>
Accountants' Report	4
Exhibits:	
A - Consolidating Balance Sheet	5
B - Consolidating Statement of Surplus and Fund Principal	7
C - Statement of Revenues and Expenditures with Budget Comparison	8
Notes to Financial Statements	14
Schedules:	
1 - Investments	15
2 - Bonds Payable	19
3 - Current Fund - Revenues, Expenditures and Surplus	20
4 - Loan Fund - Revenues, Expenditures and Principal	28
5 - Endowment Fund - Revenues, Expenditures and Principal	29
6 - Plant Fund - Revenues, Expenditures and Principal	33
7 - Agency Fund - Revenues, Expenditures and Principal	35
8 - Intercollegiate Athletics - Statement of Income	49
9 - Dining Halls - Statement of Income	51
10 - Residence Halls - Statement of Income	52
11 - University Golf Course - Statement of Income	53
12 - Heating Plant - Statement of Income	54
13 - Printing Plant - Statement of Income	55
14 - Associated Students Bookstore - Statement of Income	56
15 - New Mexico Union - Statement of Income	57
16 - University Press - Statement of Income	58
17 - Statement of Educational and General Expenditures, Per Student Credit Hour	59
18 - Current Fund - Comparative Statement of Revenues and Expenditures, Ten Years Ended June 30, 1966	61
19 - Statement of Pledged Revenues	62
Per Educational Operating Dollar	63
Educational and General Expenditures Per Student Credit Hour	63

DENHAM, YOUNGBERG & CO.
CERTIFIED PUBLIC ACCOUNTANTS
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MEMBERS: AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS

ROY D. DENHAM, CPA
A. K. YOUNGBERG, CPA

615 FIRST NATIONAL
BANK BUILDING W
TELEPHONE 243-37

ACCOUNTANTS' REPORT

Board of Regents
University of New Mexico
Albuquerque, New Mexico

We have examined the balance sheet of the University of New Mexico as of June 30, 1966 and the related statements of surplus and fund principal and revenues and expenditures for the year then ended. Our examination was made in accordance with generally accepted auditing standards and the rules and regulations of the State Auditor, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying balance sheet, statements of surplus and fund principal, and revenues and expenditures present fairly the financial position of the University of New Mexico at June 30, 1966 and the results of its operations for the year then ended, in conformity with generally accepted institutional accounting principles applied on a basis consistent with that of the preceding year.

The accompanying comments and schedules, though not considered necessary for a fair presentation of financial position and results of operations, are presented mainly for supplementary analysis purposes and to give information as to the scope of work. While our examination was made primarily for the purpose of formulating our opinion on the current year's basic financial statements, the additional data have been subjected to the same audit procedure and, in our opinion, are stated fairly in all material respects when considered in conjunction with the financial statements taken as a whole.

Roy D. Denham
DENHAM, YOUNGBERG & CO.

December 15, 1966

UNIVERSITY OF NEW MEXICO

Balance Sheet

June 30, 1966

Assets

Cash:		
Petty cash and operating funds	\$ 38,040.76	
Cash on deposit	<u>1,324,233.68</u>	1,362,274.44
Due from Construction Fund		57,798.05
Accounts receivable		181,759.90
Inventories, at cost		639,913.72
Prepaid expenses and deferred charges		46,738.04
Deposits		30,425.00
		<u>2,318,909.15</u>

Cash on deposit
Investments, at cost (Schedule 1)

14,486.58
1,399,258.64
1,413,745.22

Restricted Fund

Vouchers payable	\$ 208,053.54	
F.I.C.A., withholding taxes and retirement payable	597,279.40	
Accounts payable and accrued liabilities	63,542.90	
Deposits	45,150.46	
Deferred income	529,419.05	
Reserve for encumbrances	87,138.14	
Surplus (Exhibit B):		
Unappropriated	\$ 47,578.92	
Appropriated	<u>740,746.74</u>	788,325.66
		<u>2,318,909.15</u>

Loan Fund

Cash:		
Petty cash fund	50.00	
Cash on deposit (overdraft)	<u>(127,080.10)</u>	(127,030.10)
Deposit - United Student Aid Fund, Inc.		21,750.00
Notes receivable - Student loans		1,349,343.64
Accounts receivable - Student fees		<u>281,692.41</u>
		<u>1,525,755.95</u>

Vouchers payable	522.25	
Surplus (Exhibit B):		
Unexpended reserves	56,417.14	
Fund principal	<u>1,468,816.56</u>	1,525,233.70
		<u>1,525,755.95</u>

Endowment Fund

Cash:		
Cash on deposit	22,459.55	
Cash held by the State Treasurer	<u>272.21</u>	22,731.76
Investments, at cost (Schedule 1):		
In custody of University comptroller	1,178,190.67	
Held in trust by banks	120,916.60	
Invested by the State Investment Council	<u>6,165,998.21</u>	7,465,105.48
Notes receivable		395,326.43
James W. Young property - Rancho de Canada		<u>538,707.00</u>
		<u>8,421,870.67</u>

Vouchers payable	93.18	
Surplus (Exhibit B):		
Unexpended reserves:		
Reserved for scholarships	90,286.44	
Reserved for losses	<u>14,475.32</u>	
	104,761.76	
Fund principal	<u>8,317,015.73</u>	8,421,777.49
		<u>8,421,870.67</u>

1422

UNIVERSITY OF NEW MEXICO

Balance Sheet

June 30, 1966

EXHIBIT A
ContinuedAssets

Cash on deposit
Investments (Schedule 1)
Due on Federal construction grants
Due from N. M. State Highway Department
Real estate purchase contracts
Development cost - Coronado Village

\$ 610,553.92
4,042,889.27
3,222,365.00
504,838.00
387,197.28
12,297.87
8,780,141.34

Cash on deposit
Investments, at cost (Schedule 1)

113,188.07
14,271,554.39
14,384,742.46

Unexpended bond proceeds:
Building and Improvement Bonds - Series K
Refunding and Improvement Bonds - 1965
Building and Improvement Bonds - 1966 (sold after
July 1, 1966)

1,067,176.88
398,278.84
(2,530,141.37)
(1,064,685.65)

Investment in plant
Land and improvements
Buildings
Equipment and books
Construction in progress

\$ 5,218,319.14
29,719,378.31
9,804,943.76
12,780,117.54

57,522,758.75
56,458,073.10

Cash on deposit (overdraft)
Notes receivable, Pharmacy and Law School loans
Accounts receivable
Deposits

(526,030.69)
1,843.18
2,311,813.26
1,110.43
1,788,736.18

Total assets

\$ 95,091,974.07Liabilities and Fund Principal

Vouchers payable \$ 63,467.81
Due to Current Fund 57,798.05
Contracts payable 4,458,403.02
Mortgage notes payable 387,197.28
Surplus (Exhibit B):
Appropriated for construction \$ 4,212,229.11
Overexpended plant reserves (deficit) (398,953.93)
3,813,275.18
8,780,141.34

Refunding Escrow Fund

Bonds payable (Schedule 2) 14,974,000.00
Restricted revenues (deficit) (Exhibit B) -
Funds to be provided from interest and
maturity of investments, for the payment
of bonds, interest and call premiums (589,257.54)
14,384,742.46

Investment in Plant

Bonds payable (Schedule 2) 23,100,000.00
Net investment in plant (Exhibit B) 33,358,073.10

56,458,073.10Agency Fund

Vouchers payable 11,821.42
Fund principal (Exhibit B) 1,776,914.76

1,788,736.18

Total liabilities and fund principal

\$ 95,091,974.07

UNIVERSITY OF NEW MEXICO

Consolidated Statement of Surplus and Fund Principal

Year Ended June 30, 1966

	Combined	Eliminations	Current (Schedule 3)	Restricted	Loan (Schedule 4)	Endowment (Schedule 5)	Plant (Schedule 6)	Agency (Schedule 7)
Balance, July 1, 1965:								
Unappropriated surplus	\$ 194,899.99		194,899.99					
Appropriated surplus	9,425,415.25		616,373.39				8,809,041.86	
Restricted reserves	391,302.38			1,060,612.10			(669,309.72)	
Unexpended reserves	(495,354.47)				47,843.57	78,792.45	(621,990.49)	
Fund principal	36,176,780.00				1,134,845.94	7,538,527.04	26,823,922.25	679,484.77
	<u>45,693,043.15</u>		<u>811,273.38</u>	<u>1,060,612.10</u>	<u>1,182,689.51</u>	<u>7,617,319.49</u>	<u>34,341,663.90</u>	<u>679,484.77</u>
Additions for the Year, Net:								
Revenues	43,869,681.80	123,000.00	25,322,729.99	42,852.40	335,413.53	565,017.65	8,556,261.85	9,170,406.38
Expenditures	<u>40,130,434.78</u>	<u>1,698,896.26</u>	<u>25,333,413.77</u>	<u>913,590.10</u>	<u>29,401.28</u>	<u>37,321.54</u>	<u>8,158,446.36</u>	<u>7,357,157.99</u>
Excess revenues over expenditures	3,739,247.02	(1,575,896.26)	(10,683.78)	(870,737.70)	306,012.25	527,696.11	397,815.49	1,813,248.39
Refund of contributions to National Defense Student Loan Fund	1,550.90		1,550.90					
Excess group insurance premiums charged against accumulated dividends	(2,081.97)		(2,081.97)					
Provision for uninsured losses in excess of losses sustained	8,267.13		8,267.13					
Bonds retired from Restricted Fund				(400,000.00)			400,000.00	
Additions to plant from other funds	1,068,061.34						1,068,061.34	
Transfers from (to) other funds		<u>1,575,896.26</u>	<u>(20,000.00)</u>	<u>1,623,870.82</u>	<u>36,531.94</u>	<u>276,761.89</u>	<u>374,550.01</u>	<u>(715,818.40)</u>
Net additions	<u>4,815,044.42</u>		<u>(22,947.72)</u>	<u>353,133.12</u>	<u>342,544.19</u>	<u>804,458.00</u>	<u>2,240,426.84</u>	<u>1,097,429.99</u>
Balance, June 30, 1966	\$ <u>50,508,087.57</u>		<u>788,325.66</u>	<u>1,413,745.22</u>	<u>1,525,233.70</u>	<u>8,421,777.49</u>	<u>36,582,090.74</u>	<u>1,776,914.76</u>
Represented By:								
Unappropriated surplus	47,578.92		47,578.92				4,212,229.11	
Appropriated surplus	4,952,975.85		740,746.74				(589,257.54)	
Restricted reserves	824,487.68			1,413,745.22			(398,953.93)	
Unexpended reserves	(237,775.03)				56,417.14	104,761.76		
Fund principal	<u>44,920,820.15</u>				<u>1,468,816.56</u>	<u>8,317,015.73</u>	<u>33,358,073.10</u>	<u>1,776,914.76</u>
Total (Exhibit A)	\$ <u>50,508,087.57</u>		<u>788,325.66</u>	<u>1,413,745.22</u>	<u>1,525,233.70</u>	<u>8,421,777.49</u>	<u>36,582,090.74</u>	<u>1,776,914.76</u>

1124

UNIVERSITY OF NEW MEXICO

Statement of Revenues and Expenditures
With Budget Comparison

Year Ended June 30, 1966

<u>Revenues</u>	<u>Budget Estimate</u>	<u>Actual Revenues</u>	<u>Actual Over (Under)</u>
Educational and General:			
Student fees	\$ 2,357,200.00	2,291,271.34	(65,928.66)
State appropriation	8,227,000.00	8,227,000.00	
Federal instructional grants	60,000.00	32,975.00	(27,025.00)
Research overhead	89,000.00	89,000.00	
Other	44,000.00	52,049.72	8,049.72
Total educational and general	<u>10,777,200.00</u>	<u>10,692,296.06</u>	<u>(84,903.94)</u>
Off-Campus Instruction:			
Student fees	154,000.00	154,791.60	791.60
Holloman instructional subsidy	69,000.00	32,177.18	(36,822.82)
Los Alamos instructional subsidy	77,000.00	67,055.15	(9,944.85)
Total off-campus instruction	<u>300,000.00</u>	<u>254,023.93</u>	<u>(45,976.07)</u>
Organized Activities Relating to Instruction:			
Intercollegiate athletics	415,600.00	761,484.01	345,884.01
Manzanita Center	30,000.00	10,042.95	(19,957.05)
Total organized activities	<u>445,600.00</u>	<u>771,526.96</u>	<u>325,926.96</u>
Noneducational Income:			
Student fees	1,784,900.00	1,334,219.99	(450,680.01)
Land and Permanent Fund Income	555,000.00	605,696.38	50,696.38
Rent and overhead	51,600.00	49,648.70	(1,951.30)
Work study and NDEA student loans	340,000.00	337,799.08	(2,200.92)
Scholarship income and gifts	185,000.00	186,669.74	1,669.74
Institute stipends	440,000.00	431,518.84	(8,481.16)
Western Regional and Dental Programs appropriation	195,000.00	195,000.00	
Total noneducational	<u>3,551,500.00</u>	<u>3,140,552.73</u>	<u>(410,947.27)</u>
Auxiliary Enterprises:			
Dining halls	1,150,000.00	1,035,854.63	(114,145.37)
Residence halls	685,000.00	665,849.93	(19,150.07)
University golf course	210,000.00	161,600.52	(48,399.48)
Heating plant	525,000.00	514,034.48	(10,965.52)
Printing plant	385,000.00	439,629.23	54,629.23
Associated Students Bookstore	1,125,000.00	1,179,493.85	54,493.85
New Mexico Union	701,500.00	696,862.51	(4,637.49)
Student health service	168,500.00	174,852.72	6,352.72
University concessions		42,410.17	42,410.17
Total auxiliary enterprises	<u>4,950,000.00</u>	<u>4,910,588.04</u>	<u>(39,411.96)</u>

UNIVERSITY OF NEW MEXICO

Statement of Revenues and Expenditures
With Budget Comparison

<u>Revenues</u>	<u>Budget Estimate</u>	<u>Actual Revenues</u>	<u>Actual Over (Under)</u>
Noninstructional Research:			
State appropriation	\$ 300,000.00	300,000.00	
Sale of publications	115,000.00	89,095.74	(25,904.26)
State Department of Development grant	15,000.00	6,358.57	(8,641.43)
Sponsored programs	<u>4,570,000.00</u>	<u>3,182,555.67</u>	<u>(1,387,444.33)</u>
Total noninstructional research	<u>5,000,000.00</u>	<u>3,578,009.98</u>	<u>(1,421,990.02)</u>
Noninstructional Organized Activities:			
Television instruction	180,000.00	181,000.00	1,000.00
Sponsored programs	<u>930,000.00</u>	<u>1,794,732.29</u>	<u>864,732.29</u>
Total noninstructional organized activities	<u>1,110,000.00</u>	<u>1,975,732.29</u>	<u>865,732.29</u>
Total Current Fund Revenues	<u>26,134,300.00</u>	<u>25,322,729.99</u>	<u>(811,570.01)</u>
Receipts for Capital Outlay:			
State Educational Bond issue	3,250,000.00	3,245,937.50	(4,062.50)
Building and Improvement Bonds - Series 1966	8,500,000.00		(8,500,000.00)
Student fees	60,000.00	83,082.29	23,082.29
Federal grants	4,000,000.00	4,004,439.00	4,439.00
State grants		75,145.12	75,145.12
Grants from private sources	15,000.00		(15,000.00)
Sale of property	40,000.00	26,517.36	(13,482.64)
Interest and discounts earned	286,500.00	310,437.84	23,937.84
Rental income	67,500.00	68,848.28	1,348.28
Subsidy - Sandia Corporation	70,000.00	84,826.81	14,826.81
Los Alamos and Holloman overhead		92,542.18	92,542.18
Loss on sale of securities		(19,159.27)	(19,159.27)
Other revenues	4,500.00	2,017.31	(2,482.69)
Transfers from:			
Current Fund surplus		20,000.00	20,000.00
Agency Fund overhead	400,000.00	293,327.74	(106,672.26)
Agency Fund grants		18,322.27	18,322.27
Depreciation transfers	50,000.00	42,900.00	(7,100.00)
Service agencies	<u>49,500.00</u>		<u>(49,500.00)</u>
Total receipts for capital outlay	<u>16,793,000.00</u>	<u>8,349,184.43</u>	<u>(8,443,815.57)</u>
Balance from Previous Year:			
Educational and general	207,700.00	194,899.99	(12,800.01)
Noneducational		(6,416.19)	(6,416.19)
Auxiliary enterprises		296,145.52	296,145.52
Capital outlay	<u>8,187,000.00</u>	<u>8,187,051.37</u>	<u>51.37</u>
	<u>8,394,700.00</u>	<u>8,671,680.69</u>	<u>276,980.69</u>
Total budget	\$ <u>51,322,000.00</u>	<u>42,343,595.11</u>	<u>(8,978,404.89)</u>

UNIVERSITY OF NEW MEXICO

Statement of Revenues and Expenditures
With Budget Comparison

<u>Expenditures</u>	<u>Budget Estimate</u>	<u>Actual Expenditures</u>	<u>Unexpended (Overexpended)</u>
Educational and General:			
Administration and general expense:			
Administration	\$ 901,600.00	927,153.14	(25,553.14)
Student welfare services	398,900.00	384,476.33	14,423.67
General expense	339,000.00	291,888.16	47,111.84
	<u>1,639,500.00</u>	<u>1,603,517.63</u>	<u>35,982.37</u>
Less general overhead applied to other departments	<u>164,500.00</u>	<u>172,116.65</u>	<u>(7,616.65)</u>
Total administration and general	<u>1,475,000.00</u>	<u>1,431,400.98</u>	<u>43,599.02</u>
Instruction:			
Academic vice-president	46,400.00	48,802.43	(2,402.43)
Graduate School	67,200.00	65,511.36	1,688.64
School of Law	158,800.00	158,616.49	183.51
School of Medicine	544,000.00	574,077.71	(30,077.71)
College of Arts and Sciences	2,898,258.00	2,895,792.23	2,465.77
College of Business Administration	178,700.00	173,896.75	4,803.25
College of Education	767,825.00	763,282.75	4,542.25
College of Engineering	657,975.00	648,655.65	9,319.35
College of Fine Arts	558,050.00	557,960.12	89.88
College of Nursing	124,850.00	124,796.55	53.45
College of Pharmacy	72,800.00	70,294.08	2,505.92
University College	38,000.00	36,278.64	1,721.36
Summer and field sessions	290,350.00	272,194.75	18,155.25
Instructional programs	156,800.00	160,715.19	(3,915.19)
Instructional activities	56,500.00	71,909.16	(15,409.16)
Other instruction expenses	1,008,492.00	941,238.15	67,253.85
Total instruction	<u>7,625,000.00</u>	<u>7,564,022.01</u>	<u>60,977.99</u>
Libraries	<u>781,000.00</u>	<u>763,076.96</u>	<u>17,923.04</u>
Operation and maintenance of physical plant	1,735,000.00	1,744,643.42	(9,643.42)
Less charges applied to other departments	<u>210,000.00</u>	<u>251,434.83</u>	<u>(41,434.83)</u>
Total operation and maintenance	<u>1,525,000.00</u>	<u>1,493,208.59</u>	<u>31,791.41</u>
Total educational and general	<u>11,406,000.00</u>	<u>11,251,708.54</u>	<u>154,291.46</u>
Off-Campus Instruction:			
Administrative office	48,250.00	48,975.88	(725.88)
Correspondence and extension	29,000.00	22,426.69	6,573.31
Community college	36,350.00	39,773.04	(3,423.04)
Instructional centers	212,500.00	148,926.66	63,573.34
Other	13,900.00	12,886.20	1,013.80
Total off-campus instruction	<u>340,000.00</u>	<u>272,988.47</u>	<u>67,011.53</u>

UNIVERSITY OF NEW MEXICO

Statement of Revenues and Expenditures
With Budget Comparison

<u>Expenditures</u>	<u>Budget Estimate</u>	<u>Actual Expenditures</u>	<u>Unexpended (Overexpended)</u>
Organized Activities Relating to Instruction:			
Intercollegiate athletics	\$ 799,900.00	793,838.34	6,061.66
Manzanita Center	27,800.00	25,930.05	1,869.95
Science Fair	7,700.00	5,169.18	2,530.82
University Band	2,300.00	2,302.81	(2.81)
Home management house	2,300.00	2,331.73	(31.73)
Total organized activities	<u>840,000.00</u>	<u>829,572.11</u>	<u>10,427.89</u>
Noneducational:			
Bond debt service	1,625,000.00	1,531,641.82	93,358.18
Interest on loan	23,000.00	29,816.86	(6,816.86)
Scholarships, fellowships and stipends	710,000.00	706,654.58	3,345.42
Work study and NDEA loans	365,000.00	370,124.52	(5,124.52)
Western Regional and Dental programs	195,000.00	164,200.00	30,800.00
Rent	22,000.00	16,700.96	5,299.04
Total noneducational	<u>2,940,000.00</u>	<u>2,819,138.74</u>	<u>120,861.26</u>
Auxiliary Enterprises:			
Dining halls	1,060,000.00	966,451.12	93,548.88
Residence halls	570,000.00	541,498.31	28,501.69
University golf course	190,000.00	189,663.62	336.38
Heating plant	515,000.00	537,094.24	(22,094.24)
Printing plant	365,000.00	394,208.21	(29,208.21)
Associated Students Bookstore	985,000.00	1,042,161.36	(57,161.36)
New Mexico Union	846,500.00	726,806.81	119,693.19
Student health service	168,500.00	163,690.48	4,809.52
University concessions		42,312.40	(42,312.40)
Total auxiliary enterprises	<u>4,700,000.00</u>	<u>4,603,886.55</u>	<u>96,113.45</u>
Noninstructional Research:			
Press and publications	182,700.00	163,894.24	18,805.76
Research and computer center	75,875.00	76,041.66	(166.66)
General research	43,125.00	38,218.30	4,906.70
State resources development	16,400.00	7,623.79	8,776.21
Bureau of Business Research	83,000.00	81,563.44	1,436.56
Historical research	16,600.00	16,650.13	(50.13)
Government research	12,300.00	8,829.86	3,470.14
Sponsored programs	4,570,000.00	3,182,555.67	1,387,444.33
Total noninstructional research	<u>5,000,000.00</u>	<u>3,575,377.09</u>	<u>1,424,622.91</u>
Noninstructional Organized Activities:			
Television instruction	180,000.00	186,009.98	(6,009.98)
Sponsored programs	936,000.00	1,794,732.29	(858,732.29)
Total noninstructional organized activities	<u>1,116,000.00</u>	<u>1,980,742.27</u>	<u>(864,742.27)</u>
Total Current Fund expenditures	<u>26,342,000.00</u>	<u>25,333,413.77</u>	<u>1,008,586.23</u>

UNIVERSITY OF NEW MEXICO

Statement of Revenues and Expenditures
With Budget Comparison

<u>Expenditures</u>	<u>Budget Estimate</u>	<u>Actual Expenditures</u>	<u>Unexpended (Overexpende</u>
Capital Outlay:			
Land and improvements:			
Land purchases	\$ 162,500.00	224,682.54	(62,182.54)
Utilities extensions	329,000.00	473,854.75	(144,854.75)
Paving		89,339.08	(89,339.08)
Land improvements	150,000.00	185,701.21	(35,701.21)
Golf course	222,000.00	272,857.87	(50,857.87)
General campus	160,000.00		160,000.00
Total land and improvements	<u>1,023,500.00</u>	<u>1,246,435.45</u>	<u>(222,935.45)</u>
Building and additions:			
Fine Arts Building, concert hall	1,992,500.00	2,054,770.51	(62,270.51)
Library addition	1,875,000.00	1,748,907.12	126,092.88
Dormitories - Alvarado and Santa Ana	584,500.00	513,570.74	70,929.26
Basic Science Building	3,021,000.00	3,111,620.08	(90,620.08)
Graduate Research Building	435,000.00	409,574.95	25,425.05
Medical School Buildings	142,000.00	140,945.76	1,054.24
Temporary Medical School facility	281,000.00	285,796.37	(4,796.37)
Golf course club house	57,500.00	286,970.58	(229,470.58)
Central refrigeration addition	342,000.00	360,296.50	(18,296.50)
Engineering center		3,951.93	(3,951.93)
Business Administration		4,091.21	(4,091.21)
Biology Research Building	85,000.00	118,383.31	(33,383.31)
KNME Studio and Transmitter Buildings	134,000.00	190,581.85	(56,581.85)
Student Health Center	20,000.00	2,876.14	17,123.86
Hokona remodeling	102,000.00	102,475.84	(475.84)
Swimming pool	20,000.00	39,156.24	(19,156.24)
Basketball arena	1,500,000.00	1,559,779.55	(59,779.55)
General campus	150,000.00	118,943.96	31,056.04
Total buildings and additions	<u>10,741,500.00</u>	<u>11,052,692.64</u>	<u>(311,192.64)</u>
Automotive equipment	<u>10,000.00</u>	<u>10,582.79</u>	<u>(582.79)</u>
Furniture and equipment	<u>534,000.00</u>	<u>285,929.37</u>	<u>248,070.63</u>
Books		62,404.48	(62,404.48)
Payment on utility contracts		14,148.59	(14,148.59)
Repairs, maintenance and expendables		49,763.56	(49,763.56)
Other		1,003.74	(1,003.74)
Total capital outlay	<u>12,309,000.00</u>	<u>12,722,960.62</u>	<u>(413,960.62)</u>
Transfers to Other Funds:			
Plant Fund		20,000.00	(20,000.00)
Refund of contributions to National Defense Student Loan Fund		(1,550.90)	1,550.90

UNIVERSITY OF NEW MEXICO

Statement of Revenues and Expenditures
With Budget Comparison

<u>Expenditures</u>	<u>Budget Estimate</u>	<u>Actual Expenditures</u>	<u>Unexpended (Overexpended)</u>
balances to be carried forward:			
Educational and general	\$	47,578.92	(47,578.92)
Noneducational		24,383.81	(24,383.81)
Auxiliary enterprises		383,533.71	(383,533.71)
Capital outlay	<u>12,671,000.00</u>	<u>3,813,275.18</u>	<u>8,857,724.82</u>
	<u>12,671,000.00</u>	<u>4,268,771.62</u>	<u>8,402,228.38</u>
Total budget	\$ <u>51,322,000.00</u>	<u>42,343,595.11</u>	<u>8,978,404.89</u>

UNIVERSITY OF NEW MEXICO

Notes to Financial Statements
June 30, 1966

1. Property and equipment of the University are stated at actual cost where available or at estimated replacement cost. Items of equipment costing \$10.00 or more have been capitalized as a part of the Plant Fund and are supported by detailed plant records. In accordance with generally accepted institutional accounting practices, depreciation on buildings and equipment is not reflected in the balance sheet or statement of revenues and expenditures, except for charges of \$42,900.00 to auxiliary enterprises. These funds have been transferred to unexpended reserves of the Plant Fund.

2. The Regents of the University of New Mexico entered into long term lease agreements on two pieces of property on University Boulevard N. E. Each lease is for forty-nine years with an option to purchase the property at dates to be determined upon the happening of certain events. The lease rentals on the property in the initial years aggregate \$13,892.88 per year, payable monthly, and are subject to increases or decreases provided for in an escalator clause based on the General Commodity Wholesale Price Index published by the Department of Labor. The prices at which the separate options may be exercised total \$423,490.00, unless increased by escalator provisions similar to those applicable to the rental payments.

On May 24, 1966 the Regents entered into a lease agreement on two lots at Central and Stanford S. E., containing a building which was to be remodeled by the lessor at an estimated cost of \$136,951.46. The term of the lease is for ten years beginning September 1, 1966, at a monthly rent of \$2,799.42, subject to adjustment to reflect the actual cost of the remodeling. The lease grants the University an option to purchase the property for \$10.00 at the termination of the lease or at any time during the lease for stipulated amounts.

3. On September 21, 1966 the Regents of the University authorized the issuance of \$8,500,000.00 Building and Improvement Bonds, Series 1966, to be dated October 1, 1966, to mature serially in the years 1967 through 1985, and to bear interest at rates from 4.6% to 5% per annum. The bonds were sold on that date to John Nuveen & Co. (Inc.) and Associates at a premium totaling \$986.00, for the purpose of constructing and acquiring a project defined by the resolution authorizing the bonds. The Building and Improvement Bonds, Series 1966 are on a full parity with the Refunding and Improvement Bonds. Both issues are secured by a pledge of all gross revenue received by the University from the operation of all buildings, structures and facilities, student fees, land and permanent fund income and proprietary activities carried on by the University, but not including proceeds of ad valorem taxes, or grants of the U. S. Government or its agencies.

UNIVERSITY OF NEW MEXICO

Investments

June 30, 1966

Cost

Restricted Fund - Refunding and Improvement Bonds of 1965:

Bond Service Fund:

United States Treasury Bills, due September 1, 1966	\$	167,986.08
United States Treasury Bills, due September 15, 1966		166,849.85
United States Treasury Bills, due September 30, 1966		361,074.73

Reserve Account:

United States Treasury Bonds, due August 15, 1972, 4%		106,033.13
United States Treasury Bonds, due February 15, 1974, 4-1/8%		548,760.95

Renewal and Replacement Reserve:

United States Treasury Bonds, due February 15, 1974, 4-1/8%		48,553.90
Total Restricted Fund		<u>1,399,258.64</u>

Endowment Fund:

Corporate Stocks, Listed:

	<u>Market Value</u>	
Allied Chemical Corporation, 208 shares	\$ 8,060.00	12,226.00
American Telephone and Telegraph Company, 175 shares	9,625.00	11,702.86
American Tobacco Company, 320 shares	10,760.00	8,066.91
Bank of America, 200 shares	9,937.50	13,495.75
Boston Fund, Inc. 137 shares	1,334.38	1,166.42
Commercial Credit Company, 100 shares	2,675.00	3,825.00
Connecticut General Life Insurance Co., 60 shares	7,680.00	3,700.00
Crocker-Citizens National Bank, 627 shares	19,907.25	17,700.00
Crown Zellerbach Corporation, 508 shares	21,971.00	26,132.50
El Paso Natural Gas, 65 shares	1,218.75	1,320.63
Filtrol Corporation, 150 shares	7,537.50	5,475.00
General Electric Company, 301 shares	31,943.63	20,714.88
General Mills, Inc., 3 shares	181.88	187.13
Goodyear Tire and Rubber Company, 561 shares	28,540.88	25,249.12
Hartford Fire Insurance Company, 204 shares	14,025.00	16,165.00
Hershey Chocolate Corporation, 90 shares	2,396.25	1,476.00
Hunt Foods and Industries, Inc. 54 shares	1,269.00	1,647.50
H. K. Porter Company, Inc., 450 shares	43,481.25	45,528.75
Kennecott Copper Corporation, 240 shares	8,670.00	6,200.00
Marrud, Inc., 300 shares	1,312.50	2,028.39
National Fuel Gas Company, 200 shares	5,900.00	7,075.00
New England Electric System, 578 shares	14,233.25	17,195.50
Pacific Gas and Electric Company, 312 shares	9,516.00	8,617.00
Pacific Lighting Corporation, 340 shares	8,287.50	9,890.00
Pillsbury Company, 600 shares	19,650.00	18,787.50
Proctor and Gamble, 600 shares	38,550.00	44,100.00
Public Service Co. of New Mexico, 608 shares	16,582.50	18,064.89
Sears Roebuck and Company, 400 shares	22,150.00	13,925.00
Sherwin Williams Company, 400 shares	18,400.00	25,050.00
Standard Oil Company of California, 259 shares	16,576.00	11,776.58
Tennessee Gas Transmission, 5% 2nd Preferred, 100 shares	9,225.00	10,850.00
Texaco, Inc., 420 shares	29,557.50	24,110.00
Texas Gulf Sulphur, 428 shares	42,265.00	7,030.00

UNIVERSITY OF NEW MEXICO

Investments

	<u>Market Value</u>	<u>Cost</u>
Endowment Fund (Continued):		
Corporate Stocks, Listed (Continued):		
Union Oil Company, 190 shares	\$ 10,093.75	6,555.00
United States Gypsum Company, 200 shares	10,725.00	19,600.00
Universal Leaf Tobacco Company, 100 shares	2,362.50	2,100.00
Westinghouse Electric Corporation, 300 shares	15,712.50	12,712.50
Total Listed Corporate Stocks	<u>522,313.27</u>	<u>481,446.81</u>
Corporate Stocks, Unlisted:		
Freeman-Smith Land Company, 172 shares		2,767.48
Parafine Oil Company, 14,274 shares		5,705.60
Reingold Corporation, 12 shares		265.50
Total Unlisted Corporate Stocks		<u>8,738.58</u>
Corporate Bonds, Listed:		
El Paso Natural Gas Co. convertible debentures due September 1, 1997, 5%	4,650.00	5,062.50
Pacific Power and Light Co. First Mortgage Bonds due September 1, 1990, 5-1/8%	33,375.00	35,612.50
Houston Corporation Subordinated Debentures due August 1, 1968, 5%	33,512.50	34,650.00
Federal Home Loan Bank, due August 15, 1966, 4-1/8%	138,992.00	139,737.50
Total Listed Corporate Bonds	<u>210,529.50</u>	<u>215,062.50</u>
Mutual Building and Loan Association of Santa Fe, Fully Paid Share Certificate, 50 shares \$200 Par Value		10,000.00
Trust deed note, due April 22, 1970, 4%		9,500.00
Faculty real estate mortgage notes		<u>218,039.87</u>
Investment in real estate:		
1824 Las Lomas Road, N.E., after allowance for depreciation of \$5,040.00		15,960.00
1806 Sigma Chi Road, N.E., after allowance for depreciation of \$2,875.00		26,124.10
1809 Las Lomas Road, N.E., after allowance for depreciation of \$7,358.00		66,799.30
815 Vassar Dr., N.E., after allowance for depreciation of \$1,990.00		12,510.00
917 Vassar Dr., N.E., after allowance for depreciation of \$2,350.00		13,350.00
1825 Sigma Chi Road, N.E., after allowance for depreciation of \$4,000.00		36,000.00
Taos County, 0.555 acres		5,000.00
415 Girard, N.E., after allowance for depre- ciation of \$108.00		19,392.00
925 Vassar Drive, N.E., after allowance for depreciation of \$3,840.00		12,052.51
1819 Roma Ave., N.E., after allowance for depreciation of \$2,335.00		23,165.00
905 Vassar Drive, N.E.		14,550.00
Net investment in real estate		<u>244,902.91</u>
Funds held in trust by banks		<u>111,416.60</u>

UNIVERSITY OF NEW MEXICO

Investments

	<u>Market Value</u>	<u>Cost</u>
Endowment Fund (Continued):		
State Permanent Funds invested by the		
State Investment Council:		
Federal:		
U. S. Treasury securities	\$ 72,463,124.89	
Federal Agency securities	20,752,855.16	
Federal Agency guaranteed securities	97,601,904.36	
New Mexico - county, municipality and		
institutional bonds	2,039,432.27	
Corporate bonds	39,866,951.39	
Corporate common stocks	66,354,882.40	
	<u>299,079,150.47</u>	
University Permanent Fund 2.048085%		40,602.99
University Saline Permanent Fund .013576%		<u>6,125,395.22</u>
Total State Permanent Funds		<u>6,165,998.21</u>
Total Endowment Fund		<u>7,465,105.48</u>

Construction Fund:

United States Savings Bonds, Series J, due October, 1966	60,840.00
United States Treasury Bonds, due November 15, 1967, 3-5/8%	24,635.77
United States Treasury Bonds, due May 15, 1968, 3-7/8%	7,039.64
United States Treasury Bonds, due November 15, 1974, 3-7/8%	29,617.90
United States Treasury Bonds, due February 15, 1980, 4%	27,360.72
United States Treasury Bills, due July 7, 1966	339,153.61
United States Treasury Bills, due July 14, 1966	78,730.56
United States Treasury Bills, due August 11, 1966	376,225.00
United States Treasury Bills, due October 6, 1966	296,333.33
United States Treasury Bills, due November 10, 1966	295,002.00
United States Treasury Bills, due November 30, 1966	1,246,685.06
United States Treasury Bills, due December 22, 1966	831,171.56
United States Treasury Bills, due December 31, 1966	430,094.12
Total Construction Fund	<u>4,042,889.27</u>

Refunding Escrow Fund:

United States Treasury Notes, due August 15, 1966, 4%	321,000.00
United States Treasury Bonds, due November 15, 1966, 3-3/8%	95,100.00
United States Treasury Notes, due February 15, 1967, 3-5/8%	168,831.25
United States Treasury Notes, due August 15, 1967, 3-3/4%	328,040.63
United States Treasury Bonds, due November 15, 1967, 3-5/8%	108,968.75
United States Treasury Bonds, due May 15, 1968, 3-7/8%	158,155.31
United States Treasury Bonds, due August 15, 1968, 3-3/4%	332,535.00
United States Treasury Bonds, due November 15, 1968, 3-7/8%	104,343.75
United States Treasury Bonds, due February 15, 1969, 4%	184,884.38
United States Treasury Bonds, due October 1, 1969, 4%	641,191.56
United States Treasury Bonds, due August 15, 1970, 4%	668,430.00
United States Treasury Bonds, due August 15, 1971, 4%	363,826.88
United States Treasury Bonds, due November 15, 1971, 3-7/8%	100,342.50
United States Treasury Bonds, due February 15, 1972, 4%	211,069.69
United States Treasury Bonds, due August 15, 1972, 4%	701,362.50
United States Treasury Bonds, due August 15, 1973, 4%	134,257.50
United States Treasury Bonds, due November 15, 1973, 4-1/8%	160,195.00

UNIVERSITY OF NEW MEXICO

Investments

	<u>Cost</u>
Refunding Escrow Fund (Continued):	
United States Treasury Bonds, due May 15, 1974, 4-1/4%	\$ 318,271.25
United States Treasury Bonds, due November 15, 1974, 3-7/8%	9,170,748.44
Total Refunding Escrow Fund	<u>14,271,554.39</u>
Total Investments	\$ <u>27,178,807.78</u>

	<u>Exhibit A</u>	<u>University Comptroller</u>	<u>Custodians Banks</u>	<u>Investment Council</u>
Restricted Fund	\$ 1,399,258.64		1,399,258.64	
Endowment Fund	7,465,105.48	1,178,190.67	120,916.60	6,165,998.21
Construction Fund	4,042,889.27		4,042,889.27	
Refunding Escrow Fund	<u>14,271,554.39</u>		<u>14,271,554.39</u>	
	\$ <u>27,178,807.78</u>	<u>1,178,190.67</u>	<u>19,834,618.90</u>	<u>6,165,998.21</u>

UNIVERSITY OF NEW MEXICO

Bonds Payable

June 30, 1966

<u>Issue</u>	<u>Date of Issue</u>	<u>Interest Rate</u>	<u>Original Issue</u>	<u>Outstanding July 1, 1965</u>	<u>Retired</u>	<u>Outstanding June 30, 1966</u>
Buildings and Improvement:						
Series F	2-1-36	4%	\$ 375,000.00	25,000.00	25,000.00	
Series J	6-1-55	2½%	2,000,000.00	1,203,000.00	100,000.00	1,103,000.00
Series K	10-1-64	3.1 to 4%	2,500,000.00	<u>2,500,000.00</u>	<u>25,000.00</u>	<u>2,475,000.00</u>
Total building and improvement bonds				<u>3,728,000.00</u>	<u>150,000.00</u>	<u>3,578,000.00</u>
Revenue:						
General Building Bonds of 1948	10-1-48	3½ and 3¾%	2,200,000.00	1,445,000.00	80,000.00	1,365,000.00
Recreation Center Improvement Revenue Bonds, Series 1950	3-1-50	3%	171,000.00	88,000.00	7,000.00	81,000.00
Building Bonds, Series of 1951	8-1-51	3.9%	1,600,000.00	1,210,000.00	45,000.00	1,165,000.00
Building Bonds, Series of 1952	1-1-52	3.6%	900,000.00	722,000.00	26,000.00	696,000.00
Building Bonds, Series of 1955	6-1-55	3 to 3½%	1,000,000.00	865,000.00	26,000.00	839,000.00
Dormitory Bonds, Series of 1957	12-1-57	3%	1,800,000.00	1,423,000.00	30,000.00	1,393,000.00
Student Union Building Bonds, Series of 1957	12-1-57	3, 4 and 5%	3,000,000.00	2,785,000.00	40,000.00	2,745,000.00
Dormitory Revenue Bonds of 1962	4-1-62	3½ to 4%	1,435,000.00	1,382,000.00	20,000.00	1,362,000.00
Building Bonds, Series of 1963	4-1-63	2½%	2,500,000.00	<u>2,000,000.00</u>	<u>250,000.00</u>	<u>1,750,000.00</u>
Total revenue bonds				<u>11,920,000.00</u>	<u>524,000.00</u>	<u>11,396,000.00</u>
Total bonds refunded				15,648,000.00	674,000.00	14,974,000.00
Refunding and Improvement Bonds of 1965	2-1-65	3 to 5%		<u>23,500,000.00</u>	<u>400,000.00</u>	<u>23,100,000.00</u>
Total (Exhibit A)				\$ <u>39,148,000.00</u>	<u>1,074,000.00</u>	<u>38,074,000.00</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

Year Ended June 30, 1966
With Comparative Figures for 1965

<u>Revenues</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Educational and General:			
Student fees:			
Tuition	\$ 2,213,886.58	1,656,621.08	557,265.50
Other	77,384.76	113,572.38	(36,187.62)
	2,291,271.34	1,770,193.46	521,077.88
State appropriation	8,227,000.00	7,192,000.00	1,035,000.00
Federal instructional grants	32,975.00	40,560.32	(7,585.32)
Gifts and grants from private sources		100,000.00	(100,000.00)
Research overhead	89,000.00	60,000.00	29,000.00
Sandia Base - subsidy		57,014.80	(57,014.80)
Sales and services from educational departments and other	52,049.72	62,189.44	(10,139.72)
Total educational and general	10,692,296.06	9,281,958.02	1,410,338.04
Off-Campus Instruction:			
Student fees:			
Correspondence and extension	44,217.00	45,225.95	(1,008.95)
Community college	64,222.20	56,684.00	7,538.20
Instructional centers	46,352.40	53,340.00	(6,987.60)
	154,791.60	155,249.95	(458.35)
Holloman instructional subsidy	32,177.18	34,280.13	(2,102.95)
Los Alamos instructional subsidy	67,055.15	55,796.82	11,258.33
Total off-campus instruction	254,023.93	245,326.90	8,697.03
Organized Activities Relating to Instruction:			
Intercollegiate athletics (Schedule 8)	761,484.01	719,597.96	41,886.05
Manzanita Center	10,042.95		10,042.95
Total organized activities	771,526.96	719,597.96	51,929.00
Noneducational Income:			
Student fees	1,334,219.99	941,400.00	392,819.99
Land income	361,806.16	301,200.00	60,606.16
Permanent Fund income	243,890.22	210,000.00	33,890.22
Rent and overhead	49,648.70	37,396.20	12,252.50
Work study program	30,670.08		30,670.08
Scholarship gifts	152,456.05	141,486.17	10,969.88
Scholarship trust income	34,213.69	28,332.00	5,881.69
Institute stipends	431,518.84	359,660.12	71,858.72
NDEA student loans	307,129.00		307,129.00
Western Regional Program appropriation	195,000.00	90,000.00	105,000.00
Total noneducational	3,140,552.73	2,109,474.49	1,031,078.24

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

<u>Revenues</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Auxiliary Enterprises:			
Dining halls (Schedule 9)	\$ 1,035,854.63	976,086.29	59,768.34
Residence halls (Schedule 10)	665,849.93	587,544.42	78,305.51
University golf course (Schedule 11)	161,600.52	203,909.36	(42,308.84)
Heating plant (Schedule 12)	514,034.48	440,763.74	73,270.74
Printing plant (Schedule 13)	439,629.23	353,190.10	86,439.13
Associated students bookstore (Schedule 14)	1,179,493.85	963,189.35	216,304.50
New Mexico Union (Schedule 15)	696,862.51	657,505.61	39,356.90
Student health service	174,852.72	153,240.00	21,612.72
University concessions	42,410.17	41,176.50	1,233.67
Total auxiliary enterprises	<u>4,910,588.04</u>	<u>4,376,605.37</u>	<u>533,982.67</u>
Noninstructional Research:			
State appropriation	300,000.00	286,950.00	13,050.00
University Press (Schedule 16)	74,635.71	69,620.03	5,015.68
University publications	14,460.03	13,750.98	709.05
State Department of Development grant	6,358.57	42,066.71	(35,708.14)
Sponsored programs (Schedule 7)	<u>3,182,555.67</u>	<u>2,361,306.55</u>	<u>821,249.12</u>
Total noninstructional research	<u>3,578,009.98</u>	<u>2,773,694.27</u>	<u>804,315.71</u>
Noninstructional Organized Activities:			
Television instruction	181,000.00	110,000.00	71,000.00
Sponsored programs (Schedule 7)	<u>1,794,732.29</u>	<u>667,646.61</u>	<u>1,127,085.68</u>
Total noninstructional organized activities	<u>1,975,732.29</u>	<u>777,646.61</u>	<u>1,198,085.68</u>
Total revenues	\$ <u>25,322,729.99</u>	<u>20,284,303.62</u>	<u>5,038,426.37</u>

Expenditures**Educational and General:****Administration and general:****Administration:**

Board of Regents	\$ 640.39	879.54	(239.15)
Board of Educational Finance	26,139.00	23,209.00	2,930.00
President's office	42,486.58	42,915.68	(429.10)
Administrative vice-president	24,858.95		24,858.95
Comptroller's office	256,771.08	230,128.23	26,642.85
Registrar's office	196,704.38	180,393.96	16,310.42
Non-Academic personnel	16,396.05	16,302.82	93.23
Department of Information	46,696.96	40,201.79	6,495.17
Sports publicity	22,956.84	28,403.50	(5,446.66)
Data processing	87,441.21	77,731.05	9,710.16
University architect	65,010.04	27,894.29	37,115.75

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

<u>Expenditures</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Educational and General (Continued):			
Administration and general (continued):			
Administration (continued):			
Food stores	\$ 24,664.80	22,029.35	2,635.45
Auditing	8,755.00	7,792.60	962.40
Legal expense	12,448.35	8,200.35	4,248.00
Retirement	55,124.14	44,414.45	10,709.69
Social security taxes	33,297.20	24,704.38	8,592.82
Administrative travel	6,762.17	6,088.33	673.84
Total administration	<u>927,153.14</u>	<u>781,289.32</u>	<u>145,863.82</u>
Student welfare services:			
Alumni Association	45,168.94	46,872.78	(1,703.84)
Counseling and testing	68,554.86	69,738.50	(1,183.64)
Development	24,861.51	21,360.31	3,501.20
High school activities	1,070.92	2,064.06	(993.14)
International Services	15,124.25		15,124.25
Placement Bureau	43,180.22	33,838.69	9,341.53
Dean of students	29,646.48	37,763.17	(8,116.69)
Deans of Men and Women	118,093.79	117,583.86	509.93
Student Aids Office	38,775.36		38,775.36
Total student welfare	<u>384,476.33</u>	<u>329,221.37</u>	<u>55,254.96</u>
General expense:			
Commencement and diplomas	4,133.89	9,444.02	(5,310.13)
Dues and memberships	6,355.50	8,408.75	(2,053.25)
Group insurance	27,448.00	21,276.54	6,171.46
Honoraria and moving costs	706.52	27,086.65	(26,380.13)
Mimeograph and mailing	(2,461.98)	1,691.54	(4,153.52)
Postage and postal service	70,537.52	62,497.78	8,039.74
Receptions and entertainment	2,239.84	3,378.30	(1,138.46)
Telephone and telegraph	148,414.67	104,249.07	44,165.60
Miscellaneous expense	28,514.20	26,494.82	2,019.38
Workmen's compensation	6,000.00		6,000.00
Total general expense	<u>291,888.16</u>	<u>264,527.47</u>	<u>27,360.69</u>
Total administration and general	1,603,517.63	1,375,038.16	228,479.47
Less overhead applied to other departments	<u>172,116.65</u>	<u>159,016.84</u>	<u>13,099.81</u>
Total administration and general	<u>1,431,400.98</u>	<u>1,216,021.32</u>	<u>215,379.66</u>
Instruction:			
Academic vice-president	48,802.43	48,548.13	254.30
Graduate school	65,511.36	52,538.37	12,972.99
School of Law	158,616.49	116,879.72	41,736.77
School of Medicine:			
Administrative office	99,990.73	93,003.85	6,986.88
Anatomy	50,608.64	44,511.65	6,096.99
Biochemistry	58,575.31	38,128.23	20,447.08
Medicine	90,259.73	77,085.00	13,174.73
Microbiology	45,313.71	40,951.09	4,362.62

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

<u>Expenditures</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Educational and General (Continued):			
Instruction (Continued):			
School of Medicine (Continued):			
Obstetrics - Gynecology	\$ 14,536.14		14,536.14
Pathology	51,308.83	43,473.58	7,835.25
Pediatrics	223.20		223.20
Physiology	62,266.58	58,188.34	4,078.24
Pharmacology	1,350.00		1,350.00
Psychiatry	52,037.73	50,786.19	1,251.54
Radiology	5,336.40		5,336.40
Surgery	42,270.71	32,096.21	10,174.50
Total School of Medicine	574,077.71	478,224.14	95,853.57
College of Arts and Sciences:			
Administrative office	49,245.99	43,433.92	5,812.07
Anthropology	140,448.93	110,131.41	30,317.52
Anthropology museum	15,743.94	14,282.17	1,461.77
Biology	288,533.34	226,797.31	61,736.03
Chemistry	192,273.40	168,697.94	23,575.46
Division of foreign studies	9,250.84	10,329.89	(1,079.05)
Economics	90,734.11	78,169.18	12,564.93
English	433,902.12	320,231.32	113,670.80
Geography	30,687.26	29,531.36	1,155.90
Geology	152,887.11	118,003.99	34,883.12
Government	77,845.85	71,749.51	6,096.34
History	212,600.49	176,394.86	36,205.63
Journalism	29,359.82	24,794.00	4,565.82
Mathematics	324,155.12	259,644.09	64,511.03
Modern and classical languages	305,537.96	238,976.10	66,561.86
Philosophy	67,977.45	52,185.40	15,792.05
Physics and astronomy	180,334.80	149,442.49	30,892.31
Psychology	130,600.82	98,927.85	31,672.97
Sociology	51,852.17	45,634.51	6,217.66
Speech	111,820.71	86,335.24	25,485.47
Total College of Arts and Sciences	2,895,792.23	2,323,692.54	572,099.69
College of Business Administration	173,896.75	145,123.42	28,773.33
College of Education:			
Administrative office	76,771.97	65,219.63	11,552.34
Art education	25,540.31	23,408.98	2,131.33
Elementary education	81,321.06	65,710.68	15,610.38
Home economics	52,441.84	38,535.51	13,906.33
Health, physical education and recreation	228,550.27	193,590.77	34,959.50
Educational and administrative services	163,000.67	122,333.96	40,666.71
Secondary education	135,656.63	108,869.84	26,786.79
Total College of Education	763,282.75	617,669.37	145,613.38
College of Engineering:			
Administrative office	38,652.13	33,776.65	4,875.48

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

<u>Expenditures</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Educational and General (Continued):			
Instruction (Continued):			
College of Engineering (Continued):			
Chemical	\$ 62,942.58	46,194.09	16,748.49
Civil	161,673.32	127,188.83	34,484.49
Nuclear	38,611.83	20,694.14	17,917.69
Electrical	195,628.69	169,240.83	26,387.86
Mechanical	151,147.10	135,865.85	15,281.25
Total College of Engineering	648,655.65	532,960.39	115,695.26
College of Fine Arts:			
Administrative office	35,896.64	27,757.92	8,138.72
Art gallery	27,311.37	23,003.06	4,308.31
Architecture	69,126.89	53,115.31	16,011.58
Art	176,572.10	148,861.06	27,711.04
Dramatic Art	50,777.33	45,260.74	5,516.59
Music	198,275.79	177,424.81	20,850.98
Total College of Fine Arts	557,960.12	475,422.90	82,537.22
College of Nursing	124,796.55	100,184.45	24,612.10
College of Pharmacy	70,294.08	68,126.86	2,167.22
University College	36,278.64	30,290.08	5,988.56
Summer and field sessions	272,194.75	212,324.23	59,870.52
Instructional programs:			
Air Reserve Officers Training Corps	9,851.86	9,594.60	257.26
Data processing	61,085.23	43,118.94	17,966.29
Dental hygiene	49,979.88	44,715.68	5,264.20
Naval Reserve Officers Training Corps	5,473.94	5,124.93	349.01
Institutional Research	12,643.76		12,643.76
Sandia Technical Development Program	20,803.53	21,046.64	(243.11)
Television	876.99	1,104.60	(227.61)
Total instructional programs	160,715.19	124,705.39	36,009.80
Instructional activities:			
Band clinic	14,208.83	3,911.25	10,297.58
General honors program	22,077.84	22,747.23	(669.39)
Intramurals and extramurals	35,622.49	34,988.86	633.63
Total instructional activities	71,909.16	61,647.34	10,261.82
Other instruction expense:			
State retirement	348,444.54	288,516.86	59,927.68
Social security taxes	156,677.55	114,609.35	42,068.20
Honoraria and moving costs	79,276.44		79,276.44
Group insurance	24,341.95	22,214.09	2,127.86
Student employment	38,023.68	35,081.58	2,942.10
Student participation	68,321.54	59,412.20	8,909.34
Capital outlay	221,013.46		221,013.46
Miscellaneous instruction	5,138.99	59,025.53	(53,886.54)
Total other instruction	941,238.15	578,859.61	362,378.54
Total instruction	7,564,022.01	5,967,196.94	1,596,825.07
Law Library	75,715.76	45,355.14	30,360.62
Library of the medical sciences	125,454.00	123,097.09	2,356.91

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

<u>Expenditures</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Educational and General (Continued):			
Library	\$ 561,907.20	469,982.93	91,924.27
Total Libraries	<u>763,076.96</u>	<u>638,435.16</u>	<u>124,641.80</u>
Operation and maintenance of physical plant:			
Administrative office	199,359.14	161,479.08	37,880.06
General equipment	6,494.74	7,267.84	(773.10)
Janitorial service	246,206.23	220,138.88	26,067.35
Harwood Foundation, Degan, Lawrence Ranch and Young Ranch	52,309.63	26,733.59	25,576.04
Maintenance of grounds	143,260.50	132,908.50	10,352.00
Security and police	94,174.88	78,310.33	15,864.55
Property insurance	18,757.97	16,165.45	2,592.52
Repairs to building and equipment	544,956.60	520,285.53	24,671.07
Repairs to vehicles	67,881.84	69,280.71	(1,398.87)
Utilities	364,371.40	301,912.02	62,459.38
Miscellaneous expense	<u>6,870.49</u>	<u>1,072.96</u>	<u>5,797.53</u>
	1,744,643.42	1,535,554.89	209,088.53
Less charges applied to other departments	<u>251,434.83</u>	<u>267,062.63</u>	<u>(15,627.80)</u>
Total operation and maintenance of plant	<u>1,493,208.59</u>	<u>1,268,492.26</u>	<u>224,716.33</u>
Total educational and general	<u>11,251,708.54</u>	<u>9,090,145.68</u>	<u>2,161,562.86</u>
Off-Campus Instruction:			
Administrative office	48,975.88	46,262.24	2,713.64
Correspondence salaries	13,116.69	13,308.85	(192.16)
Extension class salaries	9,310.00	10,843.75	(1,533.75)
Community college salaries	39,773.04	33,618.18	6,154.86
Los Alamos instructional program	90,668.80	81,431.82	9,236.98
Holloman instructional program	45,684.86	53,419.36	(7,734.50)
Gallup Community College	12,573.00	10,842.00	1,731.00
Film library	6,006.21	5,423.89	582.32
Harwood Foundation	<u>6,879.99</u>	<u>7,008.61</u>	<u>(128.62)</u>
Total off-campus instruction	<u>272,988.47</u>	<u>262,158.70</u>	<u>10,829.77</u>
Organized Activities Relating to Instruction:			
Intercollegiate athletics (Schedule 8)	793,838.34	721,794.54	72,043.80
Manzanita Center	25,930.05		25,930.05
Science Fair	5,169.18	5,013.53	155.65
University band	2,302.81	2,010.11	292.70
Home management house	<u>2,331.73</u>	<u>3,080.98</u>	<u>(749.25)</u>
Total organized activities	<u>829,572.11</u>	<u>731,899.16</u>	<u>97,672.95</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

<u>Expenditures</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Noneducational:			
Bond principal	\$ 706,250.00	721,000.00	(14,750.00)
Bond interest	650,391.82	595,459.03	54,932.79
Bond reserve fund	175,000.00	291,404.20	(116,404.20)
Interest on loans	29,816.86	32,502.95	(2,686.09)
University scholarships	52,885.00	34,436.20	18,448.80
Graduate assistants	26,531.00	23,940.00	2,591.00
Scholarships and awards	186,669.74	170,268.17	16,401.57
NDEA student loans	339,454.44		339,454.44
Work study program	30,670.08		30,670.08
Peace Corps stipends	15,050.00	13,900.00	1,150.00
Institute stipends	425,518.84	359,660.12	65,858.72
Western Regional program	65,200.00	78,000.00	(12,800.00)
Dental program	99,000.00	89,000.00	10,000.00
Rent	16,700.96	24,867.44	(8,166.48)
Refunding expense		56,496.08	(56,496.08)
Total noneducational	<u>2,819,138.74</u>	<u>2,490,934.19</u>	<u>328,204.55</u>
Auxiliary Enterprises:			
Dining halls (Schedule 9)	966,451.12	888,927.38	77,523.74
Residence halls (Schedule 10)	541,498.31	444,910.07	96,588.24
University golf course (Schedule 11)	189,663.62	160,257.28	29,406.34
Heating plant (Schedule 12)	537,094.24	460,376.50	76,717.74
Printing plant (Schedule 13)	394,208.21	311,961.76	82,246.45
Associated Students Bookstore (Schedule 14)	1,042,161.36	850,972.41	191,188.95
New Mexico Union (Schedule 15)	726,806.81	673,959.58	52,847.23
Student health services	163,690.48	142,753.31	20,937.17
University concessions	<u>42,312.40</u>	<u>33,624.24</u>	<u>8,688.16</u>
Total auxiliary enterprises	<u>4,603,886.55</u>	<u>3,967,742.53</u>	<u>636,144.02</u>
Noninstructional Research:			
Bureau of Business Research	81,563.44	75,247.77	6,315.67
Historical research	16,650.13	17,981.80	(1,331.67)
Research center	20,393.50	20,147.98	245.52
Computer center	55,648.16	47,372.60	8,275.56
General research	38,218.30	32,103.01	6,115.29
Meteoritics		511.70	(511.70)
Governmental research	8,829.86	11,486.34	(2,656.48)
State resources development	7,623.79	60,653.95	(53,030.16)
University Press (Schedule 16)	142,192.10	120,063.64	22,128.46
University publications	21,702.14	20,638.45	1,063.69
Sponsored program (Schedule 7)	<u>3,182,555.67</u>	<u>2,361,306.55</u>	<u>821,249.12</u>
Total noninstructional research	<u>3,575,377.09</u>	<u>2,767,513.79</u>	<u>807,863.30</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues, Expenditures and Surplus

<u>Expenditures</u>	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Noninstructional Organized Activities:			
Television instruction	\$ 186,009.98	171,715.96	14,294.02
Sponsored programs (Schedule 7)	<u>1,794,732.29</u>	<u>667,646.61</u>	<u>1,127,085.68</u>
Total noninstructional organized activities	<u>1,980,742.27</u>	<u>839,362.57</u>	<u>1,141,379.70</u>
Total expenditures	<u>25,333,413.77</u>	<u>20,149,756.62</u>	<u>5,183,657.15</u>
Excess of revenues over expenditures	(10,683.78)	<u>134,547.00</u>	<u>(145,230.78)</u>
Transfers to:			
Plant Fund	(20,000.00)		
Other Additions (Deductions):			
Refund of contributions to National Defense Student Loan Fund	1,550.90		
Excess group insurance premiums charged against accumulated dividends	(2,081.97)		
Provision for uninsured losses in excess of losses sustained	<u>8,267.13</u>		
Net additions	<u>(22,947.72)</u>		
Surplus, July 1, 1965	<u>811,273.38</u>		
Surplus, June 30, 1966	\$ <u>788,325.66</u>		
Represented by:			
Unappropriated surplus	\$ <u>47,578.92</u>		
Appropriated surplus:			
Western Regional program	24,383.81		
Reserve for payment of bond principal and interest	200,000.00		
Reserve for group insurance	75,655.91		
Reserve for uninsured losses	56,913.76		
Reserve for bad debt losses	259.55		
Associated Students Bookstore	349,557.57		
New Mexico Union	<u>33,976.14</u>		
	<u>740,746.74</u>		
Total (Exhibit B)	\$ <u>788,325.66</u>		

UNIVERSITY OF NEW MEXICO

Loan Fund

Revenues, Expenditures and Principal

Year Ended June 30, 1966

	Balance July 1, 1965	Contributions	Interest Earned	Total Revenue	Expenditures	Transfers To (From)	Balance June 30, 1966
Unexpended Reserves:							
Reserve for losses - Deferred payment fees	\$ 47,843.57		11,282.50	11,282.50	2,708.93		56,417.14
Fund Principals:							
Altrusa Club Loan Fund	342.87						342.87
Lois and Harry Bruch Memorial Loan Fund	343.07						343.07
College of Education Memorial Loan Fund	163.00						163.00
Associated Students Loan Fund	5,085.76		16.72	16.72			5,102.48
Walter B. Fuente Memorial Loan Fund	2,005.44						2,005.44
Daniel Jackling Student Loan Fund	75,000.00						75,000.00
Kiwanis-Milne Student Loan Fund	2,139.23	267.00	43.62	310.62			2,449.85
Law Student Loan Fund	5,735.94		63.35	63.35		3,000.00	8,799.29
National Defense Student Loan Fund	999,421.44	287,329.00	12,130.04	299,459.04	26,192.35	31,925.44	1,304,613.57
Nursing Student Loan Fund	6,000.00			3,600.00		400.00	10,000.00
Phrateres Loan Fund	112.73						112.73
Health Professions Student Loan Fund	5,918.89	16,200.00		16,200.00		1,800.00	23,918.89
Rodey Memorial Loan Fund	814.11						814.11
A. and L. Rosenbaum Loan Fund	7,949.67	694.36	89.71	784.07			8,733.74
Rotary Club Loan Fund	2,691.27	75.00	29.84	104.84			2,796.11
Sandia Fund	4,932.93	1,700.00		1,700.00	500.00		6,132.93
School of Medicine Loan Fund	5,426.81		5.11	5.11		(1,800.00)	3,631.92
Smith Loan Fund	60.00						60.00
G. Perry Steen Memorial Student Loan Fund	3,011.12		47.38	47.38			3,058.50
Student and Alumni Loan Fund	1,690.66		14.90	14.90			1,705.56
United Student Aid Fund, Inc.	5,000.00					1,206.50	6,206.50
Wilkinson Foreign Travel Loan Fund	1,001.00						1,001.00
Frieda Osoff Student Loan Fund		1,000.00		1,000.00			1,000.00
General loan fund School of Law		825.00		825.00			825.00
Total fund principals	1,134,845.94	311,690.36	12,440.67	324,131.03	26,692.35	36,531.94	1,468,816.56
Total (Exhibit B)	\$ 1,182,689.51	311,690.36	23,723.17	335,413.53	29,401.28	36,531.94	1,525,233.70

UNIVERSITY OF NEW MEXICO

Endowment Fund

Revenues, Expenditures and Principal

Year Ended June 30, 1966

Fund Principals:	Balance July 1, 1965	Gifts and Bequests	Other Additions (Deductions)	Transfers To (From)	Balance June 30, 1966	Income
Scholarship trust funds:						
Albuquerque Breakfast Lions Club	\$			800.00	800.00	40.00
Alpha Phi Omega	500.00			56.17	556.17	27.81
Amberg Memorial Fund		2,000.00			2,000.00	58.31
American G. I. Forum		110.00			110.00	4.00
Ballut Abyad	3,500.00				3,500.00	175.00
Clayton Barber Memorial Fund	3,340.40				3,340.40	167.02
Thomas S. Bell Scholarship Fund	411,238.48		(1,498.46)		409,740.02	14,600.00
Louise Freeman Bell Scholarship Fund	50,000.00				50,000.00	2,000.00
Philo E. Bennett	1,200.00				1,200.00	60.00
Bernalillo Veteranarian Fractioners		2,000.00			2,000.00	533.33
C. M. Botts Memorial	5,000.00				5,000.00	250.00
George F. Breece	700.00				700.00	35.00
Burkhart-Parsons Memorial Fund	21,773.78		(67.00)		21,706.78	1,101.94
Caroline Thornton Carson Scholarship	20,415.80				20,415.80	1,020.79
Rufus H. Carter	3,200.00	500.00			3,700.00	160.00
Charles F. Coan	311.00				311.00	15.55
Marian Coons Prize	750.00				750.00	37.50
Daniel Cordova Scholarship Fund	2,403.50	145.00			2,548.50	123.95
Margaret Keiper Dailey Award	1,000.00				1,000.00	50.00
Lou Beverly Damron Memorial Scholarship Fund	3,000.00				3,000.00	150.00
Harry L. Dougherty	219.00				219.00	10.95
Sam and Frances Joy Dazzo Scholarship Fund	5,000.00				5,000.00	250.00
Mrs. Leslie Denman Estate	400.00				400.00	20.00
James M. Doolittle	1,000.00				1,000.00	50.00
First Presbyterian Church - Ulvaldo Martinez Memorial Fund	1,389.14		69.46		1,458.60	69.46
Chester T. French	500.00				500.00	25.00
Friends of the College of Nursing Scholarship Fund	932.84	70.00	50.14		1,052.98	50.14
Gausewitz Memorial Award	1,341.59				1,341.59	67.08
Gibson Memorial	1,125.07		30.30		1,155.37	46.32
Edward Grisso Memorial Scholarship Fund	8,214.92				8,214.92	567.40
Alfred Grunsfeld Memorial	5,000.00				5,000.00	250.00
Miriam Grunsfeld Memorial	5,000.00				5,000.00	250.00

UNIVERSITY OF NEW MEXICO

Endowment Fund

Revenues, Expenditures and Principal

Schedule 5
Continued

Fund Principals (Continued):	Balance July 1, 1965	Gifts and Bequests	Other Additions (Deductions)	Transfers To (From)	Balance June 30, 1966	Income
Scholarship trust funds (continued):						
Grunsfeld Scholarship Fund	\$ 50,000.00				50,000.00	2,000.00
Dr. Eric P. Hausner Memorial Scholarship Fund	4,122.14				4,122.14	206.10
Telfair Hendon, Jr., Memorial	490.00				490.00	24.50
Hoshour Memorial Fund	1,912.00				1,912.00	95.60
Portia Trick Scholarship Fund	10,000.00				10,000.00	450.00
Ives Memorial Fund			17,071.49		17,071.49	1,000.00
George A. Kaseman Memorial Scholarship Fund	25,942.11		101.58		26,043.69	
Kennedy Scholarship	2,500.00	2,000.00			4,500.00	175.00
Jane Kluckhohn Memorial	282.50				282.50	14.12
Frederick and Christina Kent	5,000.00				5,000.00	250.00
D. H. Lawrence Fund	6,605.64				6,605.64	330.28
Law School Alumni	2,500.00				2,500.00	125.00
Harry Leonard Estate	35,677.22	5,800.00	313.34		41,790.56	1,479.16
Thomas J. Mabry Memorial	1,090.00				1,090.00	54.50
Joseph W. Meek	500.00				500.00	25.00
Charles May Memorial Scholarship Fund	5,000.00				5,000.00	250.00
Mike Millican	838.00				838.00	41.90
John Milne Scholarship Fund	5,591.23				5,591.23	279.56
Miscellaneous trusts				17,092.93	17,092.93	854.65
Miscellaneous U.N.M. Scholarship Fund	2,670.28	100.00			2,770.28	133.51
Abraham Lincoln Mitchell Fund	4,630.00				4,630.00	231.50
New Mexico Concrete Products Co. Fund	1,200.00				1,200.00	60.00
William J. Parish Memorial Fund	11,116.97	15.00		100.00	11,231.97	556.50
Phidelity Educational Fund	1,000.00				1,000.00	50.00
Queen Elizabeth of Belgium Fund		1,946.75			1,946.75	
Lester B. Reeder Estate		50,000.00			50,000.00	1,750.00
Anna K. Reisiger Fund	1,000.00				1,000.00	50.00
Reynolds Electric Co. Fund	2,500.00				2,500.00	125.00
Waldo Rogers Memorial	1,313.00				1,313.00	65.65
Julius Rolshoven Fund	100,000.00				100,000.00	5,000.00
Rosenbaum Scholarship Fund		900.00			900.00	7.50
Rose Rudin Roosa Prize	1,000.00				1,000.00	50.00
Eleanor Roosevelt Memorial Fund	185.00			(185.00)		
School of Medicine	2,532.80	112.00			2,644.80	130.00
Seligman, Shortle, Johns and Cooper Fund		185.20			185.20	1.50

UNIVERSITY OF NEW MEXICO

Endowment Fund

Revenues, Expenditures and Principal

	Balance July 1, 1965	Gifts and Requests	Other Additions (Deductions)	Transfers To (From)	Balance June 30, 1966	Income
Fund Principals (Continued):						
Scholarship trust funds (continued):						
George St. Clair Memorial	\$ 542.00				542.00	27.10
Albert G. Simms Scholarship Fund	1,005.00				1,005.00	50.25
Katherine M. Simms Memorial	1,000.00				1,000.00	75.00
Max Smigelow Memorial Scholarship	5,010.00				5,010.00	250.50
Charles R. Spain Memorial Scholarship		6,406.88		132.60	6,539.48	54.50
State Bar of New Mexico Scholarship Fund	3,000.00			(3,000.00)		
Taos Foundation	9,600.00		(4,600.00)		5,000.00	
Beulah Ruth Thomas Estate		56,494.60			56,494.60	2,623.21
Lena M. Todd Memorial	1,860.75				1,860.75	93.03
Dr. J. R. Van Atta Memorial Scholarship Fund		15,248.64			15,248.64	
Barta Hurt Van Stone Memorial Scholarship Fund	2,029.75				2,029.75	97.94
Eric W. Wang Memorial	2,000.00			(1,000.00)	1,000.00	50.00
Irene Wang Memorial		1,000.00		1,000.00	2,000.00	75.00
Ellen E. Williams Weil Memorial	22,000.00				22,000.00	
Thomas M. Wilkerson Memorial	5,000.00				5,000.00	250.00
Sheila Rodey Witte	7,687.50				7,687.50	384.38
Katherine Woodson Fund	2,675.00		141.25		2,816.25	60.75
Total scholarship trust funds	\$ 909,064.41	145,034.07	11,612.10	14,996.70	1,080,707.28	42,224.74
Student aid and assistance funds:						
Joe Feinsilver Student Assistance Fund	36,554.08				36,554.08	1,467.29
Daniel Jackling Student Loan Fund	206,099.39		34,624.89		240,724.28	9,559.28
Total student aid and assistance trust funds	242,653.47		34,624.89		277,278.36	11,026.57
Other trust funds:						
University Permanent Fund	5,805,955.23		319,711.51		6,125,666.74	242,262.99
University Saline Permanent Fund	39,301.93		1,301.75		40,603.68	1,627.23
Ford Foundation Grant				252,236.36	252,236.36	50,319.87
Carl Grabo Memorial Fund	2,845.00		(1,028.69)		1,816.31	120.50
James W. Young Fund	538,707.00				538,707.00	
Total other trust funds	6,386,809.16		319,984.57	252,236.36	6,959,030.09	294,330.59
Total fund principals	\$ 7,538,527.04	145,034.07	366,221.56	267,233.06	8,317,015.73	347,581.90

UNIVERSITY OF NEW MEXICO

Endowment Fund

Revenues, Expenditures and Principal

	<u>Balance July 1, 1965</u>	<u>Gifts and Bequests</u>	<u>Other Additions (Deductions)</u>	<u>Transfers To (From)</u>	<u>Balance June 30, 1966</u>	<u>Income</u>
Disposition of Income:						
Current Fund - Revenues						\$ 244,015.22
Agency Fund:						
General scholarships						2,101.94
Ford Foundation						50,319.87
Endowment Fund:						
Scholarship trust funds						119.60
Reserves for scholarships						<u>51,025.27</u>
Total disposition of income						\$ <u>347,581.90</u>

	<u>Balance July 1, 1965</u>	<u>Revenues</u>	<u>Expenditures</u>	<u>Transfers To (From)</u>	<u>Balance June 30, 1966</u>
Unexpended Reserves:					
Reserved for scholarships	\$ 72,916.85	51,025.27	37,321.54	3,665.86	90,286.44
Reserved for losses	<u>5,875.60</u>	<u>2,736.75</u>		<u>5,862.97</u>	<u>14,475.32</u>
	78,792.45	53,762.02	37,312.54	9,528.83	104,761.76
Fund Principal	<u>7,538,527.04</u>	<u>511,255.63</u>		<u>267,233.06</u>	<u>8,317,015.73</u>
Total (Exhibit B)	\$ <u>7,617,319.49</u>	<u>565,017.65</u>	<u>37,321.54</u>	<u>276,761.89</u>	<u>8,421,777.49</u>

UNIVERSITY OF NEW MEXICO

Plant Fund

Statement of Revenues, Expenditures and Principal

Year Ended June 30, 1966

	<u>Total</u>	<u>Unexpended Reserves</u>	<u>Construction Funds</u>	<u>Reserved for Debt Service</u>	<u>Invested in Plant</u>
Balance, July 1, 1965	\$ 34,341,663.90	(621,990.49)	8,809,041.86	(669,309.72)	26,823,922.25
Net Additions for the Year:					
Revenues and bond proceeds:					
State Educational Bond Issue	3,245,937.50		3,245,937.50		
Rental income:					
Winrock lease	51,377.40	51,377.40			
Other	17,470.88	17,470.88			
Los Alamos and Holloman instructional overhead	92,542.18	92,542.18			
Subsidy - Sandia Corporation	84,826.81	84,826.81			
Student fees	83,082.29	83,082.29			
Sale of property	26,517.36	26,517.36			
Interest and discounts earned	892,222.77	3,989.72	306,448.12	581,784.93	
Loss on sale of securities	(19,316.77)		(19,159.27)	(157.50)	
Other	2,017.31	2,017.31			
Federal grant for construction	4,004,439.00		4,004,439.00		
State grants	75,145.12	15,469.12	59,676.00		
	<u>8,556,261.85</u>	<u>377,293.07</u>	<u>7,597,341.35</u>	<u>581,627.43</u>	
Expenditures:					
Additions to plant:					
Land and improvements		283,159.47	963,275.98		(1,246,435.45)
Buildings		44,564.76	11,008,127.88		(11,052,692.64)
Equipment		55,309.34	241,202.82		(296,512.16)
Books		62,404.48			(62,404.48)
Less construction from revenue bond proceeds	7,606,103.81				7,606,103.81
Payments on utility contracts		14,148.59			(14,148.59)
Repairs and maintenance	14,254.76	14,254.76			
Expendable supplies	35,508.80	35,639.11			
Legal expenses	1,003.74	1,003.74			
Bond interest	501,575.25				
	<u>8,158,446.36</u>	<u>510,484.25</u>	<u>12,212,476.37</u>	<u>501,575.25</u>	<u>(5,066,089.51)</u>
Excess of revenues over expenditures	<u>397,815.49</u>	<u>(133,191.18)</u>	<u>(4,615,135.02)</u>	<u>80,052.18</u>	<u>5,066,089.51</u>

UNIVERSITY OF NEW MEXICO

Plant Fund

Statement of Revenues, Expenditures and Principal

	<u>Total</u>	<u>Unexpended Reserves</u>	<u>Construction Funds</u>	<u>Reserved for Debt Service</u>	<u>Invested in Plant</u>
Net Additions for the Year (Continued):					
Transfers from other funds:					
Current Fund surplus	\$ 20,000.00	20,000.00			
Agency Fund principal	311,650.01	293,327.74	18,322.27		
Appropriated from the Current Fund for depreciation - Auxiliary enter- prises	42,900.00	42,900.00			
Additions to plant from other funds	1,068,061.34				1,068,061.34
Bonds retired from Restricted Fund	<u>400,000.00</u>				<u>400,000.00</u>
Net additions for the year	<u>2,240,416.84</u>	<u>223,036.56</u>	<u>(4,596,812.75)</u>	<u>80,052.18</u>	<u>6,534,140.85</u>
Balance, June 30, 1966	\$ <u>36,582,080.74</u>	<u>(398,953.93)</u>	<u>4,212,229.11</u>	<u>(589,257.54)</u>	<u>33,358,063.10</u>
Allocated to Projects:					
Basic Science Building			<u>1,284,224.58</u>		
Biology Research Building			<u>1,069,167.13</u>		
Refunding and Improvement Bonds - 1965:					
Fine Arts Building, Concert hall			9,176.73		
Library Addition			29,740.69		
Student health center			1,191,039.19		
Refrigeration			14,703.50		
Golf course - Club house			38,602.64		
Over allocated			<u>(95,735.03)</u>		
			<u>1,187,527.72</u>		
Building and Improvement Bonds - 1966:					
Completed medical facilities			(410,455.67)		
Hokona Hall remodeling			(102,475.84)		
KNME transmitter			(132,862.14)		
Basketball arena			(1,559,779.55)		
Union Square landscaping			(129,936.28)		
KNME Studio Building			(75,125.37)		
Other projects			<u>(119,506.52)</u>		
			<u>(2,530,141.37)</u>		
State Educational Bond issue:					
Engineering center			1,728,869.07		
Business Administration Building			831,443.79		
Biology Research Building			<u>694,604.00</u>		
			<u>3,254,916.86</u>		
Other projects			<u>(53,465.81)</u>		
			<u>\$ 4,212,229.11</u>		

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

Year Ended June 30, 1966

Non-Instructional Sponsored Research:	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Overhead:						
Medical school research overhead	290-73	\$ 8,480.94	84,968.62		(93,449.56)	
Agency overhead	290-77		487,159.26	1,069.35	(486,089.91)	
A.R.M.U. - National Science Foundation support	290-372	131.32			(131.32)	
Atomic Energy Commission:						
Chemistry, AT(11-1)-733	290-230	2,518.01	20,860.50	23,743.50		(364.99)
Chemistry, AT(29-2)-915	290-242	803.75	21,688.10	20,239.05		2,252.80
Biology, AT(29-2)-1629	290-450	5,424.63	15,537.70	18,988.93		1,973.40
Bureau of Indian Affairs	290-436			(.49)	(.49)	
Department of the Air Force:						
Systems Command, AF19(628)-417	290-360	(10.37)	8,316.28	8,305.91		
Office of Scientific Research, AF-AFOSR-269-65	290-380	14,174.00	41,960.00	38,751.17		17,382.83
Systems Command, AF19(628)-2927	290-390		93,572.64	93,572.64		
Special Weapons - Shock tube, AF29(601)-6002	290-398	623.03	908,145.29	908,768.32		
Special Weapons - Shock tube - Special account	290-69			1,677.67	1,677.67	
Office of Scientific Research, AF-AFOSR-507-65	290-433	7,052.25	49,496.00	46,301.39		10,246.86
Office of Scientific Research, AF-AFOSR-568-65	290-442	8,919.40	33,875.00	38,661.53		4,132.87
Special Weapons - Electrical engineering, AF29(601)-6290	290-449	(13.45)	6,545.55	6,532.10		
Office of Scientific Research, AF49(638)-1413	290-476		4.40	4.40		
Holloman Air Force Base - Mechanical engineering, AF29(600)-4928	290-483	(14.09)	26,345.44	26,331.35		
Special Weapons - Electrical engineering, AF29(601)-6637	290-485	(644.20)	5,192.97	4,548.77		
Holloman Air Force Base - Physiology, AF29(600)-5163	290-565	(25.98)	23,843.52	23,817.54		
Special Weapons - Electrical engineering, AF29(601)-6779	290-574	(33.15)	19,084.17	19,051.02		
Computer research, AF29(601)-6814	290-583		6,458.00	6,458.00		
Special Weapons - Electrical engineering, AF29(601)-7059	290-625		54,551.16	54,551.16		
Special Weapons - Electrical engineering, AF29(601)-7097	290-647		33,825.03	33,825.03		
Mechanical engineering, AF29(601)-7114	290-660		6,236.60	6,236.60		
Physics, AF19(628)-5934	290-670		5.30	5.30		
Psychology, AF29(600)-5604	290-675		5,963.08	5,963.08		
Department of the Army-Office of the Surgeon General-Chemistry, DA-49-193-MD-2645	290-482	(9.65)	13,872.30	13,762.65		100.00
Department of the Navy-Office of Naval Research-Electrical engineering, Nonr 2978(01)	290-213	(72.75)	22,175.48	22,102.73		

1152

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Non-Instructional Sponsored Research(Continued):						
National Aeronautics and Space Agency:						
Physics, NASW-99	290-238	\$ (9.05)	33,550.74	33,541.69		
Electrical engineering, NSG-129-61	290-306	2,086.93	17,547.94	27,950.21		(8,315.34)
Electrical engineering, NSG-279-62	290-353	195.49	14,952.00	8,696.81		6,450.68
Physics, NSG-332	290-399	(4,361.09)	45,046.00	39,590.58		1,094.33
Geology, NGR-32-004-011	290-481	(1,851.17)	21,951.00	22,405.21		(2,305.38)
Physics, NSG-666	290-500	(19,911.78)	92,151.00	101,933.45	(1,879.51)	(31,573.74)
Physics, NAS 5-9275	290-654		34,347.99	34,347.99		
Physics, NAS 5-9314	290-666		39,012.50	38,471.98		540.52
National Institute of Health:						
Chemistry, CA 02653-10	290-128	17,921.72	20,160.00	23,463.85		14,617.87
Chemistry, CA 04327-06MC	290-209	5,083.23	20,977.04	27,387.41		(1,327.14)
Psychology, MH 10316-01	290-461	(727.43)	36,862.94	24,696.37		11,439.14
Education, 1R11 MH-01641-01	290-465	723.24	(.28)	722.96		
Biology, 6F2 HD-23, 374-01A1	290-522	(20.33)			20.33	
Physics, 5R01 RH00404-01	290-559	1,666.65	23,725.00	14,215.72		11,175.93
National Science Foundation:						
Anthropology, GS-25	275-30		1,523.91	1,084.67		439.24
Physics, GP-1654	275-41		7,201.83	7,201.83		
Mathematics, GP-1816	275-42		20,100.98	20,330.60		(229.62)
Mathematics, GP-2214	275-45		2,600.33	2,600.33		
Physics, GP-2394	275-53	(28.28)	36,819.57	28,816.56		7,974.73
Physics, GP-2419	275-54		10,303.94	4,681.98		5,621.96
Physics, GP-2714	275-55	(9.90)	26,283.01	25,105.06		1,168.05
Mathematics, GP-2558	275-58		5.15			
Civil engineering, GS-406	275-61		11,766.77	9,368.06	(5.15)	2,398.71
Civil engineering, GE-6361	275-66	(2,334.60)	6,583.41	4,248.81		
Anthropology, GS-587	275-67		1,600.00	778.80		821.20
Psychobiology, GB-3164	275-72		56,802.43	35,591.70		21,210.73
Geology, GP-4200	275-74		91,195.78	63,129.71		28,066.07
Psychology, GB-3432	275-76		41,955.94	12,032.62		29,923.32
Mathematics, GP-4532	275-82		25,400.00	17,523.71		7,876.29
Physics and astronomy, GP-4565	275-83		18,343.14	10,277.99		8,065.15
Physics, GP-4686	275-84		64,050.00	12,764.70		51,285.30
Graduate school, GU-1361	275-85		43,510.00	34,207.71		9,302.29

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

Non-Instructional Sponsored Research (Continued):	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
National Science Foundation (Continued):						
Civil engineering, GK-597	275-87	\$	40,800.00	11,087.11		29,712.89
Physics, GP-5089	275-88		43,400.00	12,191.01		31,208.99
Biology, GB-4322	275-89		2,800.00	2,800.00		
Mathematics, GP-5217	275-92		90,500.00	2,790.36		87,709.64
Civil engineering, GK-682	275-93		14,400.00	2,271.27		12,128.73
Physics, GP-5588	275-96		55,300.00	20,868.22		34,431.78
Physics, GA-324	275-99		11,000.00	845.23		10,154.77
Physics, GA-330	275-100		21,800.00	600.00		21,200.00
Nuclear engineering, GK-867	275-102		9,600.00			9,600.00
Mechanical engineering, GK-953	275-103		9,600.00			9,600.00
Anthropology, GS-1061	275-104		1,300.00	1,078.00		222.00
Mathematics, GP-5923	275-109		5,400.00			5,400.00
Physics, GA-426	275-110		51,000.00			51,000.00
Mathematics, GP-5967	275-111		94,000.00			94,000.00
Psychology, GX-2078	275-112		12,600.00			12,600.00
Public Health Service, Bureau of State Services:						
Economics, PH-86-63-241	290-425	(155.75)	52,076.89	51,921.14		
Dental hygiene, PH-108-65-12	290-555	136.00		1,418.63	1,265.00	(17.63)
Rocky Mountain Forest and Range Experiment Station	290-384			54.47	54.47	
State of New Mexico:						
Highway Department - Civil engineering	290-441	(70.00)	9,718.88	9,648.88		
Department of Public Health	290-478	322.96		322.96		
Technical services, STS-(PG)-46-66	290-681		25,000.00	5,667.19		19,332.81
Sandia Corporation:						
Electrical engineering, 74-8181	290-415		579.29	579.29		
Civil engineering, 48-0522	290-416		145.57	145.57		
Chemistry, 13-7663	290-418		195.88	195.88		
Chemistry, 53-0196, Task 1	290-501		63.00	63.00		
Mechanical engineering, 53-0196, Task 4	290-504	(4.55)	304.25	299.70		
Chemistry, 53-0196, Task 7	290-507		35.00	35.00		
Physics, 53-0196, Task 8	290-508	(9.23)	197.14	187.91		
Mechanical engineering, 48-1932	290-509	514.44	26,127.63	26,642.07		
Chemical engineering, 48-2512	290-511		10,581.08	10,581.08		

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

Schedule 7
Continued

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Non-Instructional Sponsored Research (Continued):						
Sandia Corporation (Continued):						
Chemistry, 13-0565	290-512	(1,214.73)	34,385.29	33,170.56		
Mechanical engineering, 48-2941	290-513		19,011.35	19,011.35		
Civil engineering, 48-2561	290-514		3,133.16	3,133.16		
Mechanical engineering, 53-2290, Task 1	290-601		10,494.12	10,494.12		
Physics, 53-2290, Task 2	290-602		14,281.88	14,281.88		
Physics, 53-2290, Task 3	290-603		14,859.33	14,859.33		
Mechanical engineering, 53-2290, Task 4	290-604		17,001.11	17,001.11		
Chemistry, 53-2290, Task 5	290-605		15,564.91	15,564.91		
Electrical engineering, 53-2290, Task 6	290-606		11,365.34	11,365.34		
Electrical engineering, 17-2257	290-607		14,580.83	14,580.83		
Electrical engineering, 11-8499	290-608		8,688.32	8,688.32		
Nuclear engineering, 74-6369	290-609		5,658.35	5,658.35		
Mechanical engineering, 16-4854	290-679		2,088.62	2,088.62		
Chemical engineering, 48-3235	290-680		3,540.58	3,540.58		
Nuclear engineering, 48-4039	290-682		2,037.71	2,263.97		(226.26)
Civil engineering, 53-4780	290-717			289.60		(289.60)
Other Research:						
Miscellaneous research	290-19		4,389.91	35,683.72	31,293.81	
Research Corporation of New York - Chemistry	290-204	9,301.74		99.78		9,201.96
Ford Foundation - College teachers program	290-317	11,709.06	27,000.00	36,373.80		2,335.26
Smith, Kline and French Foundation - Pre-doctoral grant	290-336	949.81		36.58		913.23
Allied Chemical Corporation	290-392	7,634.22		807.10		6,827.12
University of California - Lawrence Radiation Laboratory, 8276105	290-444		1,549.29	1,549.29		
Resources for the future	290-455	(20,953.60)	51,200.00	27,949.25		2,297.15
Ling-Temco-Vought, Inc. - Electrical engineering, P.O. 453 GN-41483	290-473	(36.52)		(36.52)		
Rio Rancho Estates anthropology grant	290-496	700.00	1,000.00	1,300.00		400.00
Special grant to E. C. Hoyt	290-499		7,810.00	5,209.96		2,600.04
ARINC Research Corporation gift	290-571	558.79				558.79
Research Corporation grant - Physics	290-641		11,000.00	10,697.56		302.44
WICHE, Continental Divide Consortium	290-667		17,832.70	17,832.70		
Medical School Research:						
American Cancer Society, E-372	290-495	13,076.35	35,599.00	32,386.81		16,288.54

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Non-Instructional Sponsored Research (Continued):						
Medical School Research (Continued):						
American Heart Association	290-340	162.37	500.00	73.00		589.37
Easter Seal Research Foundation	290-587		10,000.00	12,194.22		(2,194.22)
National Institute of Health:						
5R01 HE-07665-03	290-362	(2,708.08)	55,255.99	35,631.99		16,915.92
2R01 AI-05154-03	290-427	7,668.64		7,385.92		282.72
5R01 HE-08477-03	290-434	(6,356.76)	65,673.00	48,085.95		11,230.29
1R01 HE-08697-01	290-452	3,987.24	14,427.95	16,160.01		2,255.18
1R01 AM-08131-01	290-453	22,814.45		23,114.46		(300.01)
1R01 HE-08673-01	290-454	(2,900.38)	21,589.00	14,238.62		4,450.00
7R01 CA-08088-01	290-462	2,692.79	(1,756.60)	936.19		
5T1 HE-05633-03	290-470	26,142.74	41,667.00	48,493.57		19,316.17
5R01 AI-06450-01	290-479	405.69	40,103.10	40,515.29		(6.50)
1S01 FR-05583-01	290-523	(900.00)	35,183.00	24,310.87		9,972.13
1T2 MH-10107-01	290-526		27,870.00	4,826.92		23,043.08
5R01 CA-08000-02	290-551	24,184.66	47,068.52	58,963.42		12,289.76
5R01 NB-05193-02	290-552	2,905.25	28,922.00	28,794.45		3,032.80
R01 AM-08719-01	290-553	(4,049.75)	45,334.79	31,996.73		9,288.31
2R01 HE-09491-02	290-554	(4,941.23)	47,646.85	37,003.47		5,702.15
2R01 NB-05923-01	290-556	13,153.40	33,397.43	35,634.41		10,916.42
5R01 AM-09432-03	290-557	(335.66)	36,697.08	13,299.03		23,062.39
5R01 AM-09157-02	290-561	1,050.35	23,876.00	19,226.33		5,700.02
5R01 HE-09460-02	290-567	(1,498.23)	26,929.00	19,987.24		5,443.53
1R01 AM-10026-01	290-646		19,815.00	4,880.89		14,934.11
7R01 HD-02173-01	290-651		10,632.00	878.22		9,753.78
1R01 NB-06269-01	290-673		48,006.00	25,793.41		22,212.59
1R01 CA-08738-01	290-688		42,691.00	1,413.80		41,277.20
1R01 AM-10628-01	290-700		27,960.00	192.95		27,767.05
National Science Foundation	275-65		11,083.26	9,689.01		1,394.25
Smith, Kline and French Foundation - Medical grant	290-458	4,140.15		221.50	(2,921.37)	997.28
Total non-instructional sponsored research		\$ 153,803.95	4,539,180.23	3,182,555.67	(550,166.03)	960,262.48

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Non-Instructional Organized Activities:						
Agency for International Development:						
Paraguay, AID/La-248	290-489	\$ (15,959.20)	64,086.91	73,744.47		(25,616.76)
Ecuador, AID/La-401	290-643			37,677.02		(37,677.02)
Ecuador, US/AID Loan 518-L-027	290-671			13,481.95		(13,481.95)
Animal care fund	290-488	3,746.49	2,625.00	3,903.41		2,468.08
Bureau of business research	290-12	27,326.13	39,722.73	50,670.48	(7,500.00)	8,878.38
Bureau of legal research	290-44		3,492.19	1,216.34	1,000.00	3,275.85
Dental clinic - Income	290-349	665.14	5,162.00	2,552.92		3,274.22
Dental clinic - Special account for Peace Corps trainees	290-459	(469.27)	4,386.00	8,576.52		(4,659.79)
Department of the Air Force - Special Weapons - Mathematical aides, AF29(601)-6641	290-484	27,436.41	88,507.03	115,943.44		
High school planning and construction	290-575	(1,300.62)	6,250.92	9,617.77		(4,667.47)
Library photo laboratory	290-80	3,409.11	15,333.69	17,192.77		1,550.03
National Aeronautics and Space Administration - Technology dissemination program, NSR 32-004-013	290-579	(13.40)	71,311.48	75,449.49		(4,151.41)
New Mexico Council of Churches - HELP program	290-624		19,238.00	13,499.88		5,738.12
Office of Economic Opportunity:						
Project Head Start	290-580	26,793.82		24,866.68		1,927.14
Communication barriers, NM CAP 66-9112	290-589		33,585.00	28,588.52		4,996.48
Home Improvement training program, NM CAP 66-9116	290-620		18,132.00	18,132.00		
Statistical analysis of home improvement building trades, NM CAP 66-9356	290-638		204,347.87	199,322.65		5,025.22
Technical assistance, NM CAP 66-5162	290-640		115,064.38	96,776.85		18,287.53
Project Head Start, NM CAP 66-9762	290-659		25,000.00	26,846.91		(1,846.91)
Peace Corps:						
PC(W)-291	290-448	(281.31)	325,809.09	325,527.78		
PC-72-638	290-634		536,989.80	534,713.97		2,275.83
Sandia Corporation - Xerox reproduction, 30-1636	290-420		455.70	455.70		
University orchestra	290-61	4,164.99	2,644.00	2,222.90		4,586.09
University photo laboratory	290-20		30,917.02	48,467.15	17,550.13	
VISTA training program	290-12-1			5,576.13		(5,576.13)
Weather Bureau - Physics, W 627250	290-323	190.33	58,902.14	59,708.59		(616.12)
Total non-instructional organized activities		\$ 75,708.62	1,671,962.95	1,794,732.29	11,050.13	(36,010.59)

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Research and Instructional Gifts and Grants:						
American Association of Colleges of Pharmacy	290-463	\$ 60.84		60.84		
American Cyanamid Lederle medical fellowship	290-721		700.00			700.00
American Institute of Architects grant	290-695		1,000.00			1,000.00
American Philosophical Society grant	290-629		800.00	800.00		
American Society for Engineering Education grant	290-635		1,500.00	349.67		1,150.33
Association of Rocky Mountain Universities - A.E.C. facilities grant	290-498		8,970.00	8,970.00		
Atomic Energy Commission:						
Medical equipment	290-464	77.00		77.00		
Nuclear engineering equipment	290-468	(6,121.06)		5,494.02		(11,615.08)
Bell equipment fund	290-64	10,000.00				10,000.00
Charles E. Merrill Trust - Medical school	290-577	25,000.00		9,850.00	(14,021.39)	1,128.61
D. W. Falls anthropology gift	290-693		500.00			500.00
Department of medicine gift account	290-674		190.36			190.36
Department of the Navy - Medical education for national defense	290-492	(1,688.15)	13,931.85	8,373.94		3,869.76
Dora Rosenbaum gift for library books	290-683		1,000.00			1,000.00
Eli Lilly and Co. gift - Medical school	290-686		25,000.00	11,535.45		13,464.55
Equipment fund - Chemical engineering	290-46	4,965.15	1,250.00	79.30		6,135.85
Equipment fund - Electrical engineering	290-16	2,334.62	42.00	1,741.00		633.62
Elks fellowship - Cerebral palsy	290-13		2,000.00	1,999.98		.02
Fiscal research	290-98	20,994.40		179.02		20,815.38
Ford Foundation:						
University press	290-152	18,360.00		4,000.00		14,360.00
Overseas professional service Fellowship program	290-490	224,624.60	4,000.00	162,412.52	145.75	66,357.83
Latin-American studies	290-626		279,117.31	17,643.61	(250,457.36)	11,016.34
Faculty fellowships	290-701		9,700.00			9,700.00
Friends of U.N.M. library	290-30		2,100.00	2,359.03	1,426.87	1,167.84
Geology equipment fund	290-23	(56.36)	3,500.00	444.55		2,999.09
Geology scholarships and research fund	290-387	5,047.25	1,731.76	2,809.12	400.00	4,369.89
Graduate school fellowships	290-653		4,000.00	2,232.58		1,767.42
Historical publications fund	290-55	1,250.00				1,250.00
James G. Oxnard gift - Medical school	290-649		5,321.19	1,500.00		3,821.19
Kellogg Foundation:						
Dental hygienist program	290-296	149.47	640.50	697.97		92.00
Medical school faculty program	290-590	68,000.00		18,760.95		49,239.05

174
88

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Research and Instructional Gifts and Grants (Continued):						
Law library fund	290-25	\$ 385.13	1,225.00	775.35		834.78
Library book fund	290-38	1,691.13	125.00	149.48	(1,426.87)	239.78
Lovelace Foundation grant	290-662		1,000.00	1,500.00	500.00	
Medical school fund	290-303	7,556.12	415.30	1,666.05		6,305.37
Medical school - Unrestricted gifts	290-334	9,456.64	4,388.17	17,069.63		(3,224.82)
Medical science library - Gifts	290-438	870.07	1,578.02	2,734.22		(286.13)
National Aeronautics and Space Agency - Graduate student grant, MSG (T)-62	290-397	(20,860.02)	131,878.00	115,509.64		(4,491.66)
National Defense Education Act:						
Data processing	290-402	(139,592.92)	33,816.66		40,000.00	(65,776.26)
Title IV fellowships	290-622		15,000.00	4,126.02		10,873.98
Title VI fellowships	290-669		2,472.00	2,223.55		248.45
National Institute of Health:						
Mental health, 2T1 MH-08479 02	290-466	(15,677.38)	110,089.00	95,892.12		(1,480.50)
Psychiatry, 5T2 MH-6043-02	290-467	2,429.24	14,904.00	16,737.66		595.58
Medicine, 5T2 ME-5640-01	290-480	6,434.10	22,404.00	17,374.30		11,463.80
Medicine, 1T8 NB-10034-01	290-521	33,146.69		30,806.21		2,340.48
Clinical nursing, 1T1 MH-9502-01	290-525	(5,952.05)	8,916.00	3,057.69		(93.74)
Fellowship grants, 1F2 AI-25141-01	290-560	(302.10)	500.00			197.90
National Resources Center	290-460	(172.47)			172.47	
National Science Foundation:						
Graduate fellowships	275-6	3,047.20	18,490.70	15,880.33		5,657.57
Faculty fellowships	275-8		2,500.00	2,050.95		449.05
Clearing account for stipends	275-5			13,621.00	13,621.00	
Chemistry equipment, GE-2480	275-38	(3,365.45)	3,968.19	4,825.91	3,968.18	(254.99)
Civil engineering, GE-4018	275-56	159.70		159.70		
Research computer center grant, GP-2467	275-57	(414.27)	5,961.30	7,083.37		(1,536.34)
Graduate traineeships in engineering, GE-4751	275-59	(25,628.81)	89,680.00	28,525.75		31,525.44
Chemistry equipment, GE-5738	275-62			8,945.76	8,589.26	(356.50)
Graduate scholarships, GU-874	275-64	38,458.39		18,996.68		19,461.71
Graduate scholarships, GE-7880	275-73		51,540.00	19,774.08		31,765.92
Anthropology equipment, GE-8876	275-77		3,500.00	3,161.37		338.63
Geology equipment, GE-9614	275-78		7,000.00	14,103.28	7,103.28	
Psychology equipment, GE-9378	275-79	(4,457.06)	9,000.00	13,605.63	9,062.69	

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Research and Instructional Gifts and Grants (Continued):						
National Science Foundation (Continued):						
Biology equipment, GE-9379	275-80	\$	12,000.00	23,637.05	12,000.00	362.95
Electrical engineering equipment, GE-9479	275-81		16,200.00	31,609.02	16,200.00	790.98
Psychology - Undergraduate research, GY-170	275-86		12,600.00	5,287.95		7,312.05
Physics equipment, GP-5637	275-97		46,000.00	4,336.90		41,663.10
Graduate scholarships, GZ-157	275-98		41,464.00	200.00		41,264.00
Civil engineering equipment, GK-995	275-106		13,500.00			13,500.00
Anthropology dissertation grant, GS-1088	275-107		5,400.00	43.40		5,356.60
Mechanical engineering equipment, GY-1179	275-108		13,200.00			13,200.00
New Mexico Heart Association grant	290-497	(7.59)		(7.59)		
Office of Education:						
Teacher training grant, 31-41-0090-72	290-472	6,002.51		4,285.00		1,717.51
Language center grant, OE-5-13-040	290-570	(43.30)	22,500.00	24,344.52		(1,887.82)
Public Health Service:						
Psychiatric nursing, 5T2 MH-08190-03	290-396	4,704.01	29,053.00	31,120.14		2,636.87
Dental hygiene, SIT 269 65	290-586		2,430.00	2,430.00		
Research and study committee - Education	290-232	2,393.82	10,236.46	11,732.24		898.04
Rockefeller Foundation:						
History grant	290-279	(3.37)		1.28	4.65	
Poetry grant	290-632		6,050.00	6,049.98	(.02)	
Sandoz, Inc. - OB grant	290-637		1,090.74	314.80		775.94
School survey	290-70	3,213.82	6,649.38	4,882.92		4,980.28
Smith, Kline and French Foundation - Pharmacy equipment grant	290-327	345.78		175.00		170.78
State of New Mexico:						
Vocational education	290-288		1,015.00	109.09		905.91
Teaching of handicapped children	290-494	332.23	4,000.00	4,396.01		(63.78)
Vocational rehabilitation	290-627		1,500.00	3,000.00		(1,500.00)
Fellowship grants	290-628		2,500.00	876.40		1,623.60
Title V N.D.E.A. pilot project	290-633		8,841.72	9,557.93		(716.21)
U.C.L.A. grant	290-630		1,000.00	900.00		100.00
Vocational Rehabilitation Administration:						
Speech therapy, VRA 443-T-65	290-446	7,804.26	18,565.93	20,442.70	(198.68)	5,728.81
Education of handicapped children, 31-41-0090-5103	290-585		49,244.00	14,712.80		34,531.20
Wenner-Gren Foundation - Anthropology	290-584	1,500.00		1,500.80	.80	
Woodrow Wilson Fund - Fellowships	290-67		100.00	117.43		(17.43)
Total research and instructional gifts and grants		\$ 282,451.81	1,232,486.54	928,782.05	(152,909.37)	433,246.93

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

Schedule 7
Continued

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Instructional Institutes and Conferences:						
Atomic Energy Commission - Radiation biology, AT(29-2)-1636	290-487	\$ 6,175.08	29,179.85	30,800.26		4,554.67
Bureau of Indian Affairs:						
Tribal management, 14-20 0600-8313	290-477	696.00			(696.00)	
Tribal management, 14-20-0600-9159	290-582		11,728.00	11,728.00		
College and universities machine records conference	290-694			354.30		(354.30)
Dance workshop	290-63	247.37	447.75	210.81		484.31
Department of the Air Force, Office of Scientific Research:						
Summer scientific seminar, 1965, AF-AFOSR-861-65	290-566	18,133.78	(5,158.80)	12,974.98		
Summer scientific seminar, 1966, AF-AFOSR-861-66	290-655		20,800.00	13,904.80		6,895.20
Department of the Army, Office of Civil Defense:						
OGD-PS-64-162	290-475	(47.91)	693.94	646.03		
OGD-PS-65-115	290-588		73,034.15	73,034.15		
Extension division - Institute funds	290-56	1,000.00	15,108.83	14,003.07	(1,105.76)	1,000.00
First international congress on heterocyclic chemistry, 1967	290-698		500.00			500.00
Ford Foundation - Teacher training workshop	290-581	14,850.45		6,870.19		7,980.26
Great decisions	290-302	471.82	1,259.00	1,612.10		118.72
Higher education in the Americas seminar	290-658		1,750.00	1,604.25	(145.75)	
Home economics workshop	290-119	115.00	38.75	143.75		10.00
Intercultural workshop	290-15	791.00	750.00	1,275.00		266.00
National Science Foundation:						
Institute for secondary school teachers in general science and mathematics, G-3379	275-46	(79,683.32)	84,673.86	4,990.54		
Institute for secondary school teachers in mathematics, GE-4472	275-60	(2,781.72)	5,613.43	2,831.71		
Summer institute in radiation biology, GE-7253	275-68	(8,963.50)	16,636.00	7,672.50		
Summer institute in probabilistic structural mechanics for college teachers, GE-7254	275-69	(10,092.78)	47,196.24	37,103.46		
Summer institute in mathematics for secondary school teachers, GE-6659	275-70	(14,781.22)	64,996.26	50,219.54		(4.50)
Summer institute in radiation biology, GE-7038	275-71	(11,869.50)	22,602.00	10,732.50		
In-service institute in mathematics for secondary school teachers, GE-8468	275-75	(23.75)	4,890.00	2,039.04		2,827.21
Summer institute in mechanics for college teachers, GY-593	275-90		55,720.00	13,465.27		42,254.73
Summer institute in radiation biology for college teachers, GY-617	275-91		17,160.00			17,160.00
Summer institute in botany for secondary school teachers, GW-5	275-94		33,440.00	7,401.97		26,038.03

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Instructional Institutes and Conferences (Continued):						
National Science Foundation (Continued):						
Summer institute in mathematics for secondary school teachers, GW-458	275-95	\$	66,640.00	14,391.31		52,248.69
In-service institute in mathematics for elementary school personnel, GW-1032	275-105		12,280.00	398.89		11,881.11
National University Extension Association	290-652		3,680.60	159.62		3,520.98
Office of Economic Opportunity:						
Project Head Start, OEO-1221-531	290-690			8,030.89		(8,030.89)
Project Head Start	290-707			1.28		(1.28)
Office of Education:						
Ibero-American studies, OE-40-29-045	290-227	1,240.34		546.56	(693.78)	
Spanish Language table	290-284	520.42		212.88		307.54
Quito institute, 1964, OE-4-15-079	290-447	2,969.75		38.00		2,931.75
Spanish teachers institute, OE-4-15-067	290-456	13,073.73	(12,709.75)	80.48	(283.50)	
Quito institute, 1965, OE-5-45-004	290-558	10,560.98	7,058.92	23,264.16		(5,644.26)
English institute for secondary school teachers, OE-5-46-044	290-564	(12,303.91)	57,734.40	48,998.56		(3,568.07)
English institute for secondary school teachers, OE-6-46-076	290-644		53,344.00	14,923.64		38,420.36
Institute for advanced study in educational media, OE-6-48-022	290-645			4,662.94		(4,662.94)
Institute for advanced study in disturbed youth, OE-6-42-032	290-648		30,086.00	12,565.14		17,520.86
Study grant - Effect of teacher personality and behavior upon pupil achievement, OE-6-10-271	290-656			30.11		(30.11)
Opera workshop	290-59	951.04	870.00	434.86		1,386.18
Paving conference - Highway engineers	290-94		2,398.50	2,193.89		204.61
Plans for Progress	290-696			37.65		(37.65)
Sandia Corporation:						
Colloquium	290-510		2,729.68	2,729.68		
Colloquium	290-610		885.86	885.86		
Santa Fe public school district conference	290-678		22,200.15	22,633.72		(433.57)
Structures conference	290-661		444.00	354.16		89.84
Total instructional institutes and conferences		\$ (68,750.85)	750,701.62	463,192.50	(2,924.79)	215,833.48
Student, Faculty and Staff Activities:						
Air Force:						
A.F.R.O.T.C. basic uniforms	290-102	1,309.83	4,725.00	2,708.08		3,326.75
A.F.R.O.T.C. fees	290-90	442.41	1,324.15	1,341.99	(85.02)	339.55

262

UNIVERSITY OF NEW MEXICO

Schedule 7
Continued

Agency Fund

Revenues, Expenditures and Principal

Student, Faculty and Staff Activities: (Continued)	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Air Force: (Continued)						
A.F.R.O.T.C. miscellaneous	290-103	\$ 65.94	8.00	57.56	(16.38)	
A.F.R.O.T.C. surplus uniforms sales	290-104	42.15	828.12	269.54	101.40	702.13
American Council of Learned Societies	290-388	740.00		223.03		516.97
Anthropology field school	290-27	3,410.16		3,383.22		26.94
Anthropology field school, 1965	290-5	6,260.00	4,760.41	6,264.42	(4,755.99)	
Anthropology field school, 1966	290-7		5,737.50			5,737.50
Art publications account - Royalties	290-47	2,116.10	12,894.13	14,471.26	600.00	1,138.97
Associated students	290-1	39,272.09	369,965.97	347,997.06	(1,992.80)	59,248.20
Athletic program fund	290-45		16,312.55	15,519.05	(793.50)	
Business office welfare fund	290-43	84.59	91.00	178.31		(2.72)
Campus parking	290-101	14,428.01	22,309.95	10,649.39		26,088.57
Campus visitation and recruiting	290-75			37,844.18	37,844.18	
Chi Epsilon	290-83	852.59		215.00		637.59
Childrens art class	290-243	1,086.04	4,499.57	3,474.64		2,110.97
Club maintainers - physical plant	290-42	642.92	599.00	611.42		630.50
Coffee fund - Administration	290-120	(266.48)	5,551.81	6,668.63	2,000.00	616.70
Coffee fund - Data processing	290-115	20.54	480.10	377.08		123.56
Coffee fund - General honors	290-122		26.36	26.36		
College of Fine Arts fund	290-639		221.00			221.00
Dormitory improvement fund	290-36		12,023.81	12,023.81		
Drama fund	290-31	1,177.76				1,177.76
Drawing equipment rental	290-21	(408.54)	288.00	308.03		(428.57)
Education coffee fund	290-85	(124.50)	538.14	621.42	68.91	(138.87)
Education flower fund	290-82	(137.03)	84.00	71.35	140.00	15.62
Engineering center fund	290-657		220.00			220.00
Faculty of medicine fund	290-374	(40,028.51)	202,916.14	251,164.96		(88,277.33)
General scholarships	291-000	57,773.79	122,861.53	119,704.68	(18,594.03)	42,336.61
General services - Nursing	290-108		470.35	424.79		45.56
Hillerman movie project	290-631		9,500.75	9,054.58		446.17
Law journal	290-74	3,895.79	14,576.12	12,977.89		5,494.02
Law school alumni fund	290-26	4,082.72	197.00			4,279.72
Law school dean's fund	290-24		510.00	13.75		496.25
Mathematics fund	290-96	535.52	210.00	59.14		686.38
Medical illustrator fund	290-578		2,585.83	9,294.79		(6,708.96)
Medical school equipment account	290-621			6,423.98		(6,423.98)

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Student, Faculty and Staff Activities (Continued):						
Music recording fund	290-572	\$ 172.60	880.88	275.52		777.96
N.R.O.T.C. flight program	290-81	322.54	7,210.74	7,210.74		322.54
Pharmacy activities fund	290-129	340.44	53.60	100.00		294.04
Pharmacy construction fund	290-132	650.00				650.00
Pharmacy instruction trip	290-131	891.21	2,663.04	2,402.59		1,151.66
Pharmacy scholarship fund	290-10	1,818.94		775.00		1,043.94
Phi Beta Kappa	290-569	724.15	930.28	486.82		1,167.61
Psychology chairman's account	290-87		1,595.48	1,595.48		
Sigma Xi	290-66	436.15	983.50	792.16		627.49
Society for ethnomusicology	290-636		808.00	767.74		40.26
Sports day fund	290-78	3,544.23	8,094.97	12,478.50	1,424.80	585.50
Student faculty association	290-642			1,459.78		(1,459.78)
Surveying equipment rental	290-6	808.83	3,854.04	5,246.86		(583.99)
Tutoring fund	290-57	1,336.34		2,414.00	1,680.00	602.34
Vending machines scholarship fund	290-49	16,777.79	9,639.15		(12,000.00)	14,416.94
Voluntary agency nursing	290-405	33.28			(33.28)	
William Tucker golf tournament	290-29		667.14	2,254.82	1,587.68	
Total student, faculty and staff activities		125,130.39	854,697.11	912,683.40	7,175.97	74,320.07
Other Agency Accounts:						
ABC Telecast	290-32	47,199.94	28,537.35	2,150.00		73,587.29
Aesthetics Institute	290-188	220.37	402.00	507.21		115.16
Albuquerque Journal Scholarship fund	290-33	1,093.73	1,419.11	2,080.55		432.29
Alumni development fund:						
Chapel	290-51-1	937.62	1,104.00	25.00		2,016.62
Faculty research	290-51-5	96.25	10.00	94.00		12.25
Library	290-51-4	2,492.50	2,166.55	1,126.00		3,533.05
Scholarships	290-51-2	2,234.50	1,853.00	1,670.00	(1,000.00)	1,417.50
Unrestricted	290-51-6	12,948.80	12,519.81	15,747.35	(1,000.00)	8,721.26
Art scholarship fund	290-48	811.01	2,944.27	1,963.55		1,791.73
Art lithograph paper fund	290-53	(552.03)	1,957.08	2,242.16		(837.11)
Bernalillo County Medical Society - Library services	290-426	(114.00)	14,016.47	19,468.17		(5,565.70)
Bids and bonds - Deposit account	290-92	250.00		105.00		145.00
College of education gifts	290-22	208.91			(208.91)	

1464

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures and Principal

Schedule 7
Continued

Other Agency Accounts (Continued):	University Account Number	Balance July 1, 1965	Revenues	Expenditures	Transfers To (From)	Balance June 30, 1966
Employees' administration building fund	290-35		4.25			4.25
Facilities rental	290-71		6,507.43	5,834.04	(673.39)	2,160.00
Leo Rosenthal gift	290-486	2,000.00	160.00			(1,465.88)
Medical school library fund - Miscellaneous	290-435	(1,532.18)	3,750.00	3,683.70		415.00
Nancy Tolman memorial fund	290-493	415.00				22,513.24
New Mexico scholarship fund	290-72	24,018.24	21,495.00		(23,000.00)	1,984.47
Science fair - prizes and scholarships	290-251	3,309.83	3,086.35	1,961.71	(2,450.00)	12,683.88
Spaceport committee	290-111			287.99	287.99	2,949.94
Special T. V. account	290-180	9,087.72	11,774.39	8,178.23		2,598.15
Speech and hearing clinic	290-86	611.47	4,729.20	2,390.73		50.00
Unrestricted gifts	290-11	5,403.17	2,891.67	5,696.69		
William J. Parish memorial library fund gifts	290-668		50.00			
Total other agency accounts		<u>111,140.85</u>	<u>121,377.93</u>	<u>75,212.08</u>	<u>(28,044.31)</u>	<u>129,262.39</u>
Grand Total (Exhibit B)		\$ <u>679,484.77</u>	<u>9,170,406.38</u>	<u>7,357,157.99</u>	<u>(715,818.40)</u>	<u>1,776,914.76</u>

UNIVERSITY OF NEW MEXICO

Intercollegiate Athletics.

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	Year Ended June 30,		Increase (Decrease)
	1966	1965	
Revenues:			
State appropriation	\$	16,000.00	(16,000.00)
Sale of tickets, etc:			
Football	196,040.75	209,184.52	(13,143.77)
Basketball	94,510.24	73,110.13	21,400.11
Student fees	363,410.35	306,480.00	56,930.35
Guarantees:			
Football	62,439.31	64,946.58	(2,507.27)
Basketball	6,000.00	11,934.13	(5,934.13)
Gifts and grants	25,000.00	22,000.00	3,000.00
Concessions income	6,000.00	620.35	5,379.65
Minor sports income	5,358.48	11,394.75	(6,036.27)
Miscellaneous	10,566.00	3,927.50	6,638.50
Total revenues	769,325.13	719,597.96	49,727.17
Less revenues credited to Agency Fund	(7,841.12)		(7,841.12)
Net revenues	761,484.01	719,597.96	41,886.05
Expenditures:			
General expense:			
Grants-in-aid	248,687.48	195,062.38	53,625.10
Salaries	190,698.84	168,136.29	22,562.55
Training table	17,530.32	15,676.37	1,853.95
Travel	3,024.88	2,777.77	247.11
Miscellaneous	10,801.49	3,301.93	7,499.56
Awards	3,303.51	2,445.05	858.46
Applied general overhead	9,895.10	9,927.95	(32.85)
Laundry	14,827.58	13,534.17	1,293.41
Medical expense	18,886.91	13,511.74	5,375.17
Conference dues	12,800.00	12,700.00	100.00
Social security and retirement	15,962.65	13,303.69	2,658.96
Telephone and telegraph	8,171.10	7,668.83	502.27
Campus visitation and recruiting	29,860.72	27,281.15	2,579.57
	584,450.58	485,327.32	99,123.26
Football expense:			
Game guarantees	86,690.27	94,424.64	(7,734.37)
Team travel	20,257.44	42,924.87	(22,667.43)
Game expense	20,975.90	20,891.95	83.95
Miscellaneous	19,284.08	15,358.42	3,925.66
	147,207.69	173,599.88	(26,392.19)
Basketball expense:			
Team travel	20,028.37	21,777.88	(1,749.51)
Game expense	13,816.32	15,851.01	(2,034.69)
Miscellaneous	5,059.10	7,437.53	(2,378.43)
Game guarantees	17,300.36	9,950.00	7,350.36
	56,204.15	55,016.42	1,187.73

UNIVERSITY OF NEW MEXICO

Intercollegiate Athletics

Statement of Income

	<u>Year Ended June 30,</u> <u>1966</u>	<u>1965</u>	<u>Increase</u> <u>(Decrease)</u>
Expenditures (Continued):			
Minor sports:			
Track	\$ 25,413.32	15,291.31	10,122.01
Baseball	8,719.41	6,261.27	2,458.14
Other	<u>20,487.22</u>	<u>20,575.52</u>	<u>(88.30)</u>
	<u>54,619.95</u>	<u>42,128.10</u>	<u>12,491.85</u>
Total expenditures	842,482.37	756,071.72	86,410.65
Less expenditures charged to			
Agency Fund	<u>48,644.03</u>	<u>34,277.18</u>	<u>14,366.85</u>
Net expenditures	<u>793,838.34</u>	<u>721,794.54</u>	<u>72,043.80</u>
Net income (loss)	\$ <u>(32,354.33)</u>	<u>(2,196.58)</u>	<u>(30,157.75)</u>

UNIVERSITY OF NEW MEXICO

Dining Halls

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	Hokona Dining Hall	Mesa Vista Dining Hall	Total June 30, 1966	Total June 30, 1965	Increase (Decrease)
Income from sales	\$ <u>676,847.18</u>	<u>359,007.45</u>	<u>1,035,854.63</u>	<u>976,086.29</u>	<u>59,768.34</u>
Expenditures:					
Cost of sales	<u>337,741.09</u>	<u>175,810.72</u>	<u>513,551.81</u>	<u>466,497.22</u>	<u>47,054.59</u>
Salaries and wages	<u>175,744.43</u>	<u>106,040.13</u>	<u>281,784.56</u>	<u>263,441.65</u>	<u>18,342.91</u>
Operations and maintenance:					
Depreciation	5,000.00	4,000.00	9,000.00	3,000.00	6,000.00
Group insurance	969.03	413.89	1,382.92	1,071.57	311.35
Insurance	144.07	137.74	281.81	259.53	22.28
Janitorial service	3,749.34	4,702.28	8,451.62	8,062.85	388.77
Laundry	10,369.85	5,989.00	16,358.85	15,083.37	1,275.48
Repairs and maintenance	6,967.09	10,871.53	17,838.62	20,214.48	(2,375.86)
Retirement and Social Security	8,953.14	5,905.22	14,858.36	12,056.66	2,801.70
Supplies	16,944.86	7,412.20	24,357.06	24,785.87	(428.81)
Utilities	<u>12,012.16</u>	<u>9,547.05</u>	<u>21,559.21</u>	<u>22,266.53</u>	<u>(707.32)</u>
	<u>65,109.54</u>	<u>48,978.91</u>	<u>114,088.45</u>	<u>106,800.86</u>	<u>7,287.59</u>
Administrative expense:					
Applied general overhead	33,713.56	17,950.37	51,663.93	48,804.31	2,859.62
Miscellaneous	<u>4,050.87</u>	<u>1,311.50</u>	<u>5,362.37</u>	<u>3,383.34</u>	<u>1,979.03</u>
	<u>37,764.43</u>	<u>19,261.87</u>	<u>57,026.30</u>	<u>52,187.65</u>	<u>4,838.65</u>
Total expenditures	<u>616,359.49</u>	<u>350,091.63</u>	<u>966,451.12</u>	<u>888,927.38</u>	<u>77,523.74</u>
Net income	\$ <u>60,487.69</u>	<u>8,915.82</u>	<u>69,403.51</u>	<u>87,158.91</u>	<u>(17,755.40)</u>

UNIVERSITY OF NEW MEXICO

Residence Halls

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	Hokona <u>Dormitory</u>	Alvarado <u>Dormitory</u>	Mesa Vista <u>Dormitory</u>	Coronado <u>Dormitory</u>	Oñate <u>Dormitory</u>	Santa Clara <u>Dormitory</u>	Santa Ana <u>Dormitory</u>	University of New Mexico <u>Apartment</u>	Total June 30, 1966	Total June 30, 1965	Increase (Decrease)
Rental Income	\$ <u>199,236.14</u>	<u>51,617.64</u>	<u>103,416.27</u>	<u>142,582.05</u>	<u>54,039.78</u>	<u>52,898.47</u>	<u>45,084.45</u>	<u>16,975.13</u>	<u>665,849.93</u>	<u>587,544.42</u>	<u>78,305.51</u>
Expenditures:											
Salaries and wages	<u>58,460.90</u>	<u>13,440.07</u>	<u>49,675.87</u>	<u>39,196.62</u>	<u>16,739.88</u>	<u>18,251.07</u>	<u>14,112.66</u>	<u>1,194.48</u>	<u>211,071.55</u>	<u>195,918.90</u>	<u>15,152.65</u>
Operation and maintenance:											
Depreciation	6,000.00	1,000.00	4,500.00	9,000.00	2,000.00	1,000.00	1,000.00	1,500.00	26,000.00	17,900.00	8,100.00
Insurance	1,519.40		834.81	908.19	441.49	466.69		74.03	4,244.61	3,950.64	293.97
Group insurance	1,482.81	223.74	1,275.89	538.52	311.55	146.48	154.96		4,133.95	3,495.26	638.69
Janitorial service	4,109.79	2,505.76	3,987.42	2,396.59	1,291.69	1,672.41	2,325.50	103.00	18,392.16	12,835.73	5,556.43
Laundry	5,194.97	615.72	2,337.70	2,786.66	950.25	1,478.54	733.82		14,097.66	13,982.04	115.62
Repairs and maintenance	3,489.05	1,478.70	4,584.65	2,009.05	917.05	997.70	1,306.94	3,132.48	17,915.62	19,843.91	(1,928.29)
Retirement and Social Security	3,228.44	411.48	2,408.92	1,452.77	966.78	1,164.01	783.42		10,415.82	9,059.70	1,356.12
Supplies	2,571.39	2,946.24	1,523.66	3,278.70	676.94	474.21	2,939.89	39.32	14,450.35	6,677.34	7,773.01
Telephone and telegraph	19,044.81	4,734.67	8,847.69	13,647.71	4,977.95	4,353.33	4,300.88		58,907.04	13,453.51	46,453.53
Utilities	<u>46,229.01</u>	<u>9,096.16</u>	<u>14,504.48</u>	<u>16,186.89</u>	<u>7,471.76</u>	<u>12,561.95</u>	<u>11,610.96</u>	<u>2,455.40</u>	<u>120,116.61</u>	<u>108,703.18</u>	<u>11,413.43</u>
	<u>92,869.67</u>	<u>23,012.47</u>	<u>44,805.22</u>	<u>52,205.08</u>	<u>20,005.46</u>	<u>24,315.32</u>	<u>25,156.37</u>	<u>7,304.23</u>	<u>289,673.82</u>	<u>209,901.31</u>	<u>79,772.51</u>
Administrative expenses:											
Applied general overhead	9,943.47	2,518.01	5,158.06	7,105.98	2,681.81	2,593.31	2,212.29	848.76	33,061.69	29,242.68	3,819.01
Miscellaneous	<u>1,707.45</u>	<u>230.87</u>	<u>742.40</u>	<u>1,263.93</u>	<u>158.92</u>	<u>277.19</u>	<u>309.97</u>		<u>4,690.73</u>	<u>4,132.90</u>	<u>557.83</u>
	<u>11,650.92</u>	<u>2,748.88</u>	<u>5,900.46</u>	<u>8,369.91</u>	<u>2,840.73</u>	<u>2,870.50</u>	<u>2,522.26</u>	<u>848.76</u>	<u>37,752.42</u>	<u>33,375.58</u>	<u>4,376.84</u>
Capital outlay	<u>615.87</u>			<u>2,384.65</u>					<u>3,000.52</u>	<u>5,714.28</u>	<u>(2,713.76)</u>
Total expenditures	<u>163,597.36</u>	<u>39,201.42</u>	<u>100,381.55</u>	<u>102,156.26</u>	<u>39,586.07</u>	<u>45,436.89</u>	<u>41,791.29</u>	<u>9,347.47</u>	<u>541,498.31</u>	<u>444,910.07</u>	<u>96,588.24</u>
Net income	\$ <u>35,638.78</u>	<u>12,416.22</u>	<u>3,034.72</u>	<u>40,425.79</u>	<u>14,453.71</u>	<u>7,461.58</u>	<u>3,293.16</u>	<u>7,627.66</u>	<u>124,351.62</u>	<u>142,634.35</u>	<u>(18,282.73)</u>

UNIVERSITY OF NEW MEXICO

University Golf Course

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Income:			
Green fees	\$ 65,473.21	70,836.25	(5,363.04)
Sales	64,955.48	66,095.87	(1,140.39)
Student fees		30,648.00	(30,648.00)
Memberships	17,478.50	20,540.50	(3,062.00)
Rentals and storage	13,473.45	15,303.52	(1,830.07)
Miscellaneous	<u>219.88</u>	<u>485.22</u>	<u>(265.34)</u>
Total income	<u>161,600.52</u>	<u>203,909.36</u>	<u>(42,308.84)</u>
Expenditures:			
Cost of sales	<u>40,579.70</u>	<u>40,846.82</u>	<u>(267.12)</u>
Salaries	<u>88,300.92</u>	<u>71,103.15</u>	<u>17,197.77</u>
Operation and maintenance:			
Depreciation	2,000.00	1,816.00	184.00
Repairs and maintenance	23,433.95	12,231.04	11,202.91
Retirement and Social Security	8,141.95	5,344.28	2,797.67
Supplies	4,429.09	2,402.50	2,026.59
Telephone and telegraph	190.90	1,194.57	(1,003.67)
Utilities	<u>8,208.11</u>	<u>8,685.03</u>	<u>(476.92)</u>
	<u>46,404.00</u>	<u>31,673.42</u>	<u>14,730.58</u>
Administrative expense:			
Applied general overhead	8,103.33	10,217.97	(2,114.64)
Other	<u>6,275.67</u>	<u>6,415.92</u>	<u>(140.25)</u>
	<u>14,379.00</u>	<u>16,633.89</u>	<u>(2,254.89)</u>
Total expenditures	<u>189,663.62</u>	<u>160,257.28</u>	<u>29,406.34</u>
Net income	\$ <u>(28,063.10)</u>	<u>43,652.08</u>	<u>(71,715.18)</u>

UNIVERSITY OF NEW MEXICO

Heating Plant

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Income	\$ <u>514,034.38</u>	<u>440,763.74</u>	<u>73,270.64</u>
Expenditures:			
Salaries and wages	<u>75,227.83</u>	<u>63,515.62</u>	<u>11,712.21</u>
Operation and maintenance:			
Fuel	118,331.38	111,453.81	6,877.57
Insurance	2,637.80	2,929.55	(291.75)
Group insurance	299.32	231.58	67.74
Repairs and maintenance	19,058.22	17,413.15	1,645.07
Retirement and Social Security	5,617.39	5,089.08	528.31
Supplies	214.19	154.59	59.60
Utilities	<u>289,985.69</u>	<u>237,545.68</u>	<u>52,440.01</u>
	<u>436,143.99</u>	<u>374,817.44</u>	<u>61,326.55</u>
Administrative expense:			
Applied general overhead	25,701.72	22,038.19	3,663.53
Miscellaneous	20.70	5.25	15.45
	<u>25,722.42</u>	<u>22,043.44</u>	<u>3,678.98</u>
Total expenditures	<u>537,094.24</u>	<u>460,376.50</u>	<u>76,717.74</u>
Net income (loss)	\$ <u>(23,059.86)</u>	<u>(19,612.76)</u>	<u>(3,447.10)</u>

UNIVERSITY OF NEW MEXICO

Printing Plant

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Income from sales	\$ <u>439,629.23</u>	<u>353,190.10</u>	<u>86,439.13</u>
Expenditures:			
Direct material	<u>110,051.93</u>	<u>75,390.99</u>	<u>34,660.94</u>
Direct labor	<u>182,362.53</u>	<u>154,288.15</u>	<u>28,074.38</u>
Operation and maintenance:			
Depreciation	5,500.00	3,000.00	2,500.00
Insurance	1,570.77	1,156.41	414.36
Miscellaneous factory expense	5,712.96	5,392.54	320.42
Plant supplies	20,590.24	15,939.86	4,650.38
Repairs and maintenance	11,038.07	9,147.99	1,890.08
Utilities	<u>5,401.18</u>	<u>4,096.49</u>	<u>1,304.69</u>
	<u>49,813.22</u>	<u>38,733.29</u>	<u>11,079.93</u>
Administrative and general expenses:			
Applied general overhead	21,931.46	17,659.51	4,271.95
Group insurance	1,049.27	813.00	236.27
Miscellaneous administrative expense	186.91	90.44	96.47
Office salaries	13,166.12	12,099.96	1,066.16
Office supplies	584.55	139.69	444.86
Retirement and Social Security	14,825.16	12,577.72	2,247.44
Telephone and telegraph	<u>237.06</u>	<u>169.01</u>	<u>68.05</u>
	<u>51,980.53</u>	<u>43,549.33</u>	<u>8,431.20</u>
Total expenditures	<u>394,208.21</u>	<u>311,961.76</u>	<u>82,246.45</u>
Net income	\$ <u>45,421.02</u>	<u>41,228.34</u>	<u>4,192.68</u>

UNIVERSITY OF NEW MEXICO

Associated Students Bookstore

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Revenues:			
Sales	\$ 1,174,663.09	959,122.73	215,540.36
Other income	<u>4,830.76</u>	<u>4,066.62</u>	<u>764.14</u>
Total revenues	<u>1,179,493.85</u>	<u>963,189.35</u>	<u>216,304.50</u>
Expenditures:			
Cost of sales	<u>873,123.34</u>	<u>707,357.88</u>	<u>165,765.46</u>
Salaries and wages	<u>80,523.46</u>	<u>68,002.79</u>	<u>12,520.67</u>
Operation and maintenance:			
Advertising	2,440.27	2,245.08	195.19
Bad debts	274.83	1,042.31	(767.48)
Retirement, Social Security and insurance	4,307.12	3,270.88	1,036.24
Freight	24,994.18	21,790.32	3,203.86
Supplies and miscellaneous	7,099.18	5,831.47	1,267.71
Telephone and telegraph	<u>675.22</u>	<u>401.85</u>	<u>273.37</u>
	<u>39,790.80</u>	<u>34,581.91</u>	<u>5,208.89</u>
Administrative and occupancy expenses	<u>48,723.76</u>	<u>41,029.83</u>	<u>7,693.93</u>
Total expenditures	<u>1,042,161.36</u>	<u>850,972.41</u>	<u>191,188.95</u>
Net income	\$ <u>137,332.49</u>	<u>112,216.94</u>	<u>25,115.55</u>

UNIVERSITY OF NEW MEXICO

New Mexico Union

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	<u>Year Ended June 30,</u>		<u>Increase</u>
	<u>1966</u>	<u>1965</u>	<u>(Decrease)</u>
Revenues:			
Sales	\$ 511,186.78	482,953.17	28,233.61
Student fees	8,874.54	7,900.10	974.44
Bowling, billiards and table tennis	57,432.52	58,277.68	(845.16)
Rentals	28,339.16	30,456.76	(2,117.60)
Other	<u>10,101.51</u>	<u>8,959.90</u>	<u>1,141.61</u>
	615,934.51	588,547.61	27,386.90
Student fees available for operating loss	<u>80,928.00</u>	<u>68,958.00</u>	<u>11,970.00</u>
Total revenues	<u>696,862.51</u>	<u>657,505.61</u>	<u>39,356.90</u>
Expenditures:			
Cost of sales	<u>236,935.98</u>	<u>229,040.23</u>	<u>7,895.75</u>
Bowling alley rental	<u>11,200.00</u>	<u>11,200.00</u>	
Salaries and wages	<u>247,932.21</u>	<u>216,336.21</u>	<u>31,596.00</u>
Operation and maintenance:			
Games equipment replaced	195.11	2,012.83	(1,817.72)
Employees' meals	8,318.38	6,835.14	1,483.24
Retirement, Social Security and insurance	12,304.81	10,055.95	2,248.86
Laundry	8,454.72	9,806.85	(1,352.13)
Supplies and miscellaneous	30,161.17	28,801.83	1,359.34
Repairs and maintenance	<u>3,795.97</u>	<u>5,432.70</u>	<u>(1,636.73)</u>
	<u>63,230.16</u>	<u>62,945.30</u>	<u>284.86</u>
Administrative and occupancy expenses:			
Building maintenance	149,033.93	137,022.28	12,011.65
Administrative office	53,839.41	46,597.92	7,241.49
General expense	<u>13,358.88</u>	<u>10,812.02</u>	<u>2,546.86</u>
	216,232.22	194,432.22	21,800.00
Allocated to bookstore	<u>48,723.76</u>	<u>41,029.83</u>	<u>7,693.93</u>
	<u>167,508.46</u>	<u>153,402.39</u>	<u>14,106.07</u>
Provision for capital outlay		<u>1,035.45</u>	<u>(1,035.45)</u>
Total expenditures	<u>726,806.81</u>	<u>673,959.58</u>	<u>52,847.23</u>
Net income (loss)	\$ <u>(29,944.30)</u>	<u>(16,453.97)</u>	<u>(13,490.33)</u>

UNIVERSITY OF NEW MEXICO

University Press

Statement of Income

Year Ended June 30, 1966
With Comparative Figures for 1965

	Year Ended June 30, 1966	1965	Increase (Decrease)
Sales of publications	\$ 74,635.71	69,620.03	5,015.6
Cost of Goods Sold (including royalties of \$6,418.60)	44,625.30	40,925.21	3,700.0
Market decline in inventory	<u>11,926.30</u>	<u>10,986.45</u>	939.8
	<u>56,551.60</u>	<u>51,911.66</u>	<u>4,639.9</u>
Gross profit	<u>18,084.11</u>	<u>17,708.37</u>	<u>375.7</u>
Publishing and Selling Expenses:			
Advertising	5,742.76	4,705.08	1,037.6
Applied general overhead	3,731.78	3,481.00	250.7
Commissions	1,712.84	2,401.64	(688.8)
Depreciation	200.00	188.00	12.0
Freelance editors, designers and contract fees	1,231.25		1,231.2
Manuscript reading	413.15	812.57	(399.4)
Miscellaneous	828.30	464.63	363.6
Retirement and Social Security	3,001.07	2,538.32	462.7
Salaries	63,446.47	49,040.53	14,405.9
Supplies and postage	4,558.61	3,833.19	725.4
Telephone and telegraph	107.27	47.81	59.4
Travel	<u>667.00</u>	<u>639.21</u>	<u>27.7</u>
	<u>85,640.50</u>	<u>68,151.98</u>	<u>17,488.5</u>
Net income (loss)	\$ <u>(67,556.39)</u>	<u>(50,443.61)</u>	<u>(17,112.7)</u>

UNIVERSITY OF NEW MEXICO

Statement of Educational and General Expenditures
Per Student Credit Hour

Year Ended June 30, 1966

	<u>Expenditures</u>	<u>Student Credit Hours</u>	<u>Cost Per Student Credit Hour</u>
Direct Instruction:			
School of Law	\$ 158,616.49	4,037	39.29
School of Medicine	574,077.71	2,258	254.24
College of Arts and Sciences:			
Anthropology	156,192.87	10,523	14.84
Biology	288,533.34	17,074	16.90
Chemistry	192,273.40	11,157	17.23
Economics	90,734.11	7,482	12.13
English	433,902.12	32,754	13.25
Geography	30,687.26	2,829	10.85
Geology	152,887.11	7,373	20.74
Government	77,845.85	8,199	9.50
History	212,600.49	19,564	10.87
Journalism	29,359.82	1,060	27.70
Mathematics	324,155.12	21,516	15.07
Modern languages	305,537.96	17,199	17.77
Philosophy	67,977.45	4,215	16.13
Physics and astronomy	180,334.80	6,941	25.98
Psychology	130,600.82	12,476	10.47
Sociology	51,852.17	6,962	7.45
Speech	111,820.71	5,761	19.41
	2,837,295.40	193,085	14.69
Administrative office	49,245.99	193,085	.25
Division of foreign studies	9,250.84	193,085	.05
Total College of Arts and Sciences	2,895,792.23	193,085	14.99
College of Business Administration	173,896.75	11,629	14.95
College of Education:			
Art education	25,540.31	2,724	9.38
Elementary education	81,321.06	3,451	23.56
Home economics	52,441.84	2,177	24.09
Health, physical education and recreation	228,550.27	12,672	18.04
Educational and administrative services	163,000.67	8,717	18.70
Secondary education	135,656.63	4,825	28.12
	686,510.78	34,566	19.86
Administrative office	76,771.97	34,566	2.22
Total College of Education	763,282.75	34,566	22.08
College of Engineering:			
Chemical	62,942.58	1,186	53.07
Civil	161,673.32	6,288	25.71
Electrical	195,628.69	5,262	37.18
Nuclear	38,611.83	301	128.28
Mechanical	151,147.10	3,267	46.26
	610,003.52	16,304	37.41
Administrative office	38,652.13	16,304	2.37
Total College of Engineering	648,655.65	16,304	39.79

UNIVERSITY OF NEW MEXICO

Statement of Educational and General Expenditures
Per Student Credit Hour

	<u>Expenditures</u>	<u>Student Credit Hours</u>	<u>Cost Per Student Credit Hour</u>
Direct Instruction (Continued):			
College of Fine Arts:			
Architecture	\$ 69,126.89	2,447	28.25
Art	176,572.10	10,525	16.77
Drama	50,777.33	2,382	21.32
Music	198,275.79	5,501	36.04
	<u>494,752.11</u>	<u>20,855</u>	<u>23.72</u>
Administrative office	35,896.64	20,855	1.72
Art Gallery	27,311.37	20,855	1.31
Total College of Fine Arts	<u>557,960.12</u>	<u>20,855</u>	<u>26.75</u>
College of Nursing	124,796.55	1,195	104.43
College of Pharmacy	70,294.08	1,641	42.84
Summer and field sessions	272,194.75	22,991	11.84
Instructional Programs:			
Air Reserve Officers Training Corps	9,851.86	448	21.99
Naval Reserve Officers Training Corps	5,473.94	1,104	4.96
Data processing	61,085.23	225	271.49
Institutional research	12,643.76		
Dental hygiene	49,979.88	772	64.74
Sandia technical development program	20,803.53		
Television	876.99	23	37.00
	<u>160,715.19</u>	<u>2,572</u>	<u>62.48</u>
Total direct instruction	<u>6,400,282.27</u>	<u>311,133</u>	<u>20.57</u>
Indirect Instruction Expense:			
Academic vice-president	48,802.43	311,133	.16
Graduate School	65,511.36	311,133	.21
University College, administrative office	36,278.64	311,133	.12
Instructional activities	71,909.16	311,133	.23
Other instruction expense	941,238.15	311,133	3.02
Total indirect instruction	<u>1,163,739.74</u>	<u>311,133</u>	<u>3.74</u>
Total instructional expense	<u>7,564,022.01</u>	<u>311,133</u>	<u>24.31</u>
Other Educational and General Expenditures:			
Administration and general	1,431,400.98	311,133	4.60
Libraries	763,076.96	311,133	2.45
Operation and maintenance of physical plant	1,493,208.59	311,133	4.80
Total other expenditures	<u>3,687,686.53</u>	<u>311,133</u>	<u>11.85</u>
Total educational and general	\$ <u>11,251,708.54</u>	<u>311,133</u>	<u>36.16</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Comparative Statement of Revenues and Expenditures

Ten Years Ended June 30, 1966

	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957
Revenues:										
Educational and general:										
Student fees	2,291,271	1,770,193	1,424,716	1,408,219	1,394,533	1,213,349	1,118,282	1,085,139	833,220	708,587
Land and Permanent Fund, income unplugged			260,000	100,000	70,000	66,000	58,000	52,000	55,000	
State appropriation	8,227,000	7,192,000	5,563,000	4,847,440	4,407,600	3,903,748	3,711,724	3,228,912	3,164,862	2,595,334
Sales, services and miscellaneous income	174,025	319,765	379,032	363,525	287,879	214,593	37,184	42,676	53,321	70,142
	<u>10,692,296</u>	<u>9,281,958</u>	<u>7,626,748</u>	<u>6,719,184</u>	<u>6,160,012</u>	<u>5,397,690</u>	<u>4,925,190</u>	<u>4,408,727</u>	<u>4,106,403</u>	<u>3,374,063</u>
Off-campus instruction	254,024	245,327	187,555	192,788	216,097	230,577	192,282	206,244	194,400	162,024
Organized activities relating to instruction	<u>771,527</u>	<u>719,598</u>	<u>723,258</u>	<u>601,799</u>	<u>482,999</u>	<u>460,397</u>	<u>415,683</u>	<u>249,021</u>	<u>224,837</u>	<u>194,782</u>
Noneducational:										
Student fees	1,334,220	941,400	872,200	637,535	465,000	440,000	416,200	320,000	320,000	304,000
Land and Permanent Fund	605,696	511,200	174,080	235,000	210,000	205,000	204,000	198,000	195,000	193,500
Western Regional and dental programs										
appropriations	195,000	90,000	150,000	145,000	135,000	99,000	100,000	86,391	84,653	66,500
Scholarship income	618,189	529,478	449,437							
Work study and NDEA student loans	337,799									
Rent	49,649	37,396	37,396	37,396	37,396	37,396	56,894	60,623	60,973	60,971
	<u>3,140,553</u>	<u>2,109,474</u>	<u>1,683,113</u>	<u>1,054,931</u>	<u>847,396</u>	<u>781,396</u>	<u>777,094</u>	<u>665,014</u>	<u>660,626</u>	<u>624,971</u>
Auxiliary enterprises	4,910,588	4,376,605	3,924,100	3,412,530	2,934,591	2,571,600	2,229,867	1,797,989	1,781,929	1,605,049
Noninstructional research	3,578,010	2,773,694	2,061,040	379,577	358,846	298,408	318,192	54,869	8,319	
Noninstructional organized activities	<u>1,975,732</u>	<u>777,647</u>	<u>1,483,949</u>							
	<u>\$ 25,322,730</u>	<u>20,284,303</u>	<u>17,689,763</u>	<u>12,360,809</u>	<u>10,999,941</u>	<u>9,740,068</u>	<u>8,858,308</u>	<u>7,381,864</u>	<u>6,976,514</u>	<u>5,960,889</u>
Expenditures:										
Educational and general:										
Administration and general, net	1,431,401	1,216,021	1,003,955	873,595	763,311	701,818	650,131	554,195	514,497	464,424
Instruction	7,564,022	5,967,197	4,934,468	4,224,307	3,765,065	3,354,151	3,026,325	2,601,105	2,394,995	2,139,932
Instructional research										
Libraries	763,077	638,435	514,290	340,173	305,782	280,709	254,239	221,050	214,443	188,246
Physical plant operation	<u>1,493,209</u>	<u>1,268,492</u>	<u>1,164,117</u>	<u>1,049,861</u>	<u>962,055</u>	<u>869,870</u>	<u>811,593</u>	<u>685,478</u>	<u>648,434</u>	<u>559,615</u>
	<u>11,251,709</u>	<u>9,090,145</u>	<u>7,616,830</u>	<u>6,487,936</u>	<u>5,796,213</u>	<u>5,216,531</u>	<u>4,752,140</u>	<u>4,067,513</u>	<u>3,772,369</u>	<u>3,352,217</u>
Off-campus instruction	272,988	262,159	237,822	249,215	247,570	223,072	218,007	213,852	201,976	167,109
Organized activities relating to instruction	<u>829,572</u>	<u>731,899</u>	<u>702,480</u>	<u>607,439</u>	<u>509,147</u>	<u>478,835</u>	<u>409,127</u>	<u>381,121</u>	<u>353,230</u>	<u>349,060</u>
Noneducational:										
Bond principal and interest	1,386,459	1,348,962	1,111,917	699,504	706,851	715,964	659,677	521,733	527,703	435,497
Bond reserve requirements	175,000	291,404	159,300	211,735	54,385	78,606	53,418	20,000	20,000	20,000
Scholarships	706,655	602,204	505,342	49,050	52,156	34,288	43,201	28,493	22,412	16,056
Work study and NDEA student loans	370,124									
Western Regional and dental programs	164,200	167,000	162,500	122,433	100,646	102,000	88,133	86,391	84,653	66,500
Other	16,701	81,364	33,793	10,599	5,001					
	<u>2,819,139</u>	<u>2,490,934</u>	<u>1,968,852</u>	<u>1,093,321</u>	<u>919,039</u>	<u>930,858</u>	<u>844,429</u>	<u>656,617</u>	<u>654,768</u>	<u>538,053</u>
Auxiliary enterprises	4,603,887	3,967,743	3,617,693	3,038,044	2,755,507	2,467,696	2,224,824	1,666,947	1,633,598	1,435,649
Noninstructional research	3,575,377	2,767,514	2,070,232	434,286	413,378	366,167	378,993	243,087	221,839	158,091
Noninstructional organized activities	<u>1,980,742</u>	<u>839,362</u>	<u>1,541,449</u>							
	<u>\$ 25,333,414</u>	<u>20,149,756</u>	<u>17,755,358</u>	<u>11,910,241</u>	<u>10,640,854</u>	<u>9,683,159</u>	<u>8,827,520</u>	<u>7,229,137</u>	<u>6,837,780</u>	<u>6,000,179</u>

1478

UNIVERSITY OF NEW MEXICO
Statement of Pledged Revenues
Year Ended June 30, 1966

[illegible]

UNIVERSITY OF NEW MEXICO

THE EDUCATIONAL OPERATING DOLLAR

	<u>Year Ended June 30,</u>	
	<u>1966</u>	<u>1965</u>
Source of the dollar:		
Student fees	\$.21	.19
State appropriation	.77	.77
Sales, services and miscellaneous	.01	.01
Sandia Base Subsidy		.01
Research overhead and grants	.01	.02
	<u>1.00</u>	<u>1.00</u>
Which was spent in this way:		
Administration and general	.13	.13
Instruction	.71	.64
Libraries	.07	.07
Operation and maintenance of plant	.14	.14
	<u>1.05</u>	<u>.98</u>
Used for (provided by) other activities and enterprises	\$ <u>(.05)</u>	<u>.02</u>

EDUCATIONAL AND GENERAL EXPENDITURES PER STUDENT CREDIT HOUR

	<u>Cost per Student Credit Hour</u>	
	<u>1965-66</u>	<u>1964-65</u>
School of Law	\$ 39.29	42.42
School of Medicine	254.24	386.60
College of Arts and Sciences	14.99	13.99
College of Business Administration	14.95	16.55
College of Education	22.08	21.67
College of Engineering	39.79	34.04
College of Fine Arts	26.75	28.71
College of Nursing	104.43	82.67
College of Pharmacy	42.84	57.43
Summer and field sessions	11.84	10.86
Instructional programs	62.48	41.33
Total direct instruction	20.57	19.64
Indirect instruction expense	3.74	2.92
Other educational and general expenditures	<u>11.85</u>	<u>11.80</u>
	\$ <u>36.16</u>	<u>34.36</u>

REPORT OF THE DEPARTMENT OF HOUSING

By necessity the report of the Department of Housing is, for the most part, confined to a documentary of new building construction, physical improvements, space utilization, policy revision, and future planning aimed at meeting the rapidly expanding demand for additional student housing facilities. Nevertheless, one must not assume that such an account is complete in providing a realistic picture of the key role assigned to housing personnel.

Basically, the departmental staff is concerned with students, particularly those students residing in the residence halls. They are concerned with providing a healthy and satisfying environment in which students can sleep, eat, study, play, converse, make friends, or simply be alone if they so desire. The improved grade averages, the successful programming within the halls; the active resident governments; the decrease in theft, vandalism, and disciplinary referrals; and above all the generally high resident morale; these factors have indicated progress within the department during the past year.

For a complete report, it would be necessary to examine the lives of each of the more than twenty one hundred residents who lived all or part of the past year in the residence halls and determine the effect of the living environment on their total development. It would then be necessary to undertake a similar study of students living off-campus, and finally it would be necessary to compare the findings of

each. In this way an accurate and comprehensive evaluation of University housing could be presented. Such an approach is, from the practical standpoint, impossible.

It can be stated with assurance in this report that considerable effort has been made within the Department in an effort to achieve its formal objectives, objectives which are designed to compliment the overall objectives of the University. Most of the feedback indicates that an unusually high degree of success has been achieved in this regard.

SIGNIFICANT DEVELOPMENTS

NEW RESIDENCE HALLS

Undoubtedly the most significant development within the department was the completion and occupation of two new residence halls in September. The halls are identical in almost all respects and are designed with a great deal of flexibility so as to accommodate either sex. Initially one hall, Alvarado, is housing male students and its counterpart, Santa Ana, is accommodating women. The capacity of each hall is 170 residents; a total capacity of 340 is thus afforded.

The traditional southwestern or Pueblo style of architecture was followed throughout the planning of these structures. For the first time the services of a professional Interior Decorator were utilized. The southwest styling theme was carried out within the interior of the halls. Most agree that the final result has proven both artistic

and functional.

Total air conditioning is one of the extras provided. Experience suggests that this convenience will be an economy feature over the years by assuring maximum usage during the summer months. Each room has individual thermostatic controls. Basically, the student-tested programming established for Onate and Santa Clara Halls has been utilized in this building phase. The center core of each structure contains the common bath facilities, kitchenettes, closets, and mechanical space. No student room faces another. No single rooms are provided, and all student study-sleeping rooms are of contemporary design with built-in furniture, each accommodating two residents. Perhaps the outstanding characteristic of these rooms is the excellent floor plan which provides generous storage space and desk area. Contour chairs designed by Miller are being praised by the students.

It appears that Alvarado and Santa Ana will prove unique when compared to future residence hall programming in that each unit is self contained with the sole exception of dining facilities. The total construction cost for the project was \$1,398,323; Alvarado cost \$698,709 and Santa Ana Hall costs totaled \$699,614. The architect for the project was William Ellison and Associates. K. L. House Construction Company submitted the low bid on October 8, 1964 and received the contract. Actual construction began October 16, 1964 and the final completion certificate was awarded on October 4, 1965. Of interest for cost analysis is the total gross area for both buildings of 83,660 square feet.

FACULTY OFFICES IN MESA VISTA

The south wing of Mesa Vista Hall has been utilized for faculty office space during the 1965-66 academic year. A total of sixty four rooms, 120 spaces, were allocated for this purpose. This reduced the resident capacity of Mesa Vista to 306. The building has been physically divided by means of cement-block walls on both the first and second floors. Locks in the south wing have been re-keyed so that two separate facilities have been functionally established.

Several problems have resulted from the division. Particularly during the fall semester, students and visitors experienced great difficulty in locating faculty offices. The academic departments reported an excessive amount of vandalism throughout the year. Proper delivery of mail has been a continuous source of irritation to all departments concerned. Also the billing of toll calls to the various departments now located in Mesa Vista has been confusing.

It has become apparent that future attempts to portion off segments of Mesa Vista for academic or administrative purposes will prove extremely difficult if not impractical. Although no further space will be allocated for the 1966-67 year, Mesa Vista will be phased out as a residence hall in the near future. Present planning calls for the use of the building for administrative offices, particularly those offices concerned with student affairs.

REMODELING OF CORONADO BASEMENT

During the months of July and August, 1965, the portion of the Coronado basement area which was still in an unfinished

state was remodeled into a functional and attractive lounge-recreational facility. The project included complete painting of wall surfaces, installation of a false ceiling with acustical tiling and adequate lighting, tiling the floor, and the installation of lounge and recreational furniture. Residents of Coronado Hall have welcomed the addition of this facility. While the area is not as heavily used as similar facilities in the other halls because of its location; estimates of usage during the past school year indicated that the relatively small investment will be entirely justified.

SALE OF SURPLUS FURNITURE

Over the years a great deal of surplus furniture had been accumulated by the Department of Housing. Some of this furniture had been in storage since the abandonment of the old "Dorm D". All of the items which were of no use to the department within the foreseeable future were stock piled for disposal. A public sale was publicized, and individuals were allowed to purchase the furniture at previously established prices. The equipment sold consisted of 110 four-drawer chests, 16 three-drawer chests, and 43 desks.

WOMEN'S HOURS

During the latter part of the spring semester, the University policy regarding closing hours for senior women was revised. This trial period served as an orientation in preparation for a more sweeping revision of women's hours next year. No doubt these policy changes will be covered in detail in the annual report of the Dean of Women. The

policy is designed to place more individual responsibility on upper-class women in matters of personal conduct.

EVALUATION OF NEW HOUSING POLICY

Although some pressure has been removed from the department as a consequence of the new housing policy which allows most upper-class students to live off-campus if they so desire, the major benefits of the new regulation will not be realized until next fall. In September the number of applicants for residence hall accommodations will far exceed the available space. Since the new policy permits students to live off-campus if space in the halls is unavailable, the students' admission will not be refused due to lack of sufficient on-campus housing. Therefore the enrollment will continue to expand next fall regardless of the housing situation. Hopefully, the undesirable practice of forcing students into overcrowded living conditions on-campus can be avoided.

Sufficient off-campus facilities are available to meet the increased demand. Nevertheless, students unfamiliar with Albuquerque will experience some unavoidable concern and difficulty in locating housing.

It is significant to note that the potential exodus of large numbers of upper-class women from the Women's Residence Halls which might have resulted from the adoption of the new policy did not take place. This fact supports the original expectations of the University Housing Committee. However, it appears likely that the proportion of upper-class women who elect to live off-campus will steadily increase in the future.

CENTREX TELEPHONE SYSTEM

The installation of the Centrex system was completed in September. A complete evaluation of the new telephone system within the residence halls during its first year of operation cannot be rendered until the billing process is completed for the month of June. It is possible that toll calls placed during the critical period of check-out may alter present findings considerably.

Residents have been exuberant in their praise of the phone service in their rooms. Aside from the above mentioned possibility, the problems presented by unauthorized toll calls have been relatively few and systematically eliminated. It appears that the decision to adopt the lower instrument rate, thereby assuming University responsibility for collections, has been a wise one. On the basis of our present findings, it is recommended that the present agreement with the telephone company be continued for next year.

UNIVERSITY IMPROVEMENTS AFFECTING STUDENT HOUSING

Several current University construction projects are improving the on-campus living situation markedly. Of major importance has been the widening and resurfacing of Redundo Drive and the completion of the interchange at the intersection of Redundo and Campus roads. This street improvement has greatly reduced traffic problems previously encountered by residents.

A second situation which has received much publicity and greatly concerned students residing in the halls has been

the lack of adequate lighting in the large open areas surrounding the halls, particularly the playing fields between Mesa Vista and Coronado Halls. The issue assumed critical proportions following a series of assaults upon pedestrians by unidentified assailants. The installation of temporary lighting improved conditions considerably during the spring semester, and University authorities maintain that adequate, permanent lighting is programmed for the campus in the near future.

Some problems have been encountered by residents as a result of the construction of the new pedestrian mall in front of Mesa Vista Hall. Pedestrian traffic was necessarily diverted around the main entrance to Mesa Vista at one point. The construction is scheduled in phases, each of which will present varying traffic problems to residents and visitors. Noise and dust resulting from the work has been distracting to many residents. Nevertheless the temporary inconvenience encountered during this period is of little importance when the long range results are contemplated.

NEW ROOF

New roofing was installed on one wing of the Married Student apartments during the past year. It will soon become necessary to repair the remaining sections of the apartment complex.

FUTURE PLANS AND RECOMMENDATIONS

NEW RESIDENCE HALL CONSTRUCTION

At the end of December 1965, it was estimated by the Administrative Vice President that the total need for

additional University housing capacity for the fall of 1967 would be 577 spaces. This estimate included a compliment of 120 spaces in Mesa Vista Hall being removed from use as student housing.

As early as 1964, personnel involved in the planning of future residence hall construction had been committed to the concept of future high-rise residence halls. Consequently, a program was developed last year by the office of the University Architect for a high-rise structure designed to house from 700 to 800 residents on a coeducational basis. Upon completion of the program, several factors caused a good deal of concern. Of primary importance were the high cost estimates, the difficulties presented by time deadlines, the need for initial overbuilding, and the ever present fear that a large high-rise building would not be compatible with the surrounding architecture.

At this point, the University consulted with Ernest J. Kump Associates in attempting to resolve some of the problems. It was finally decided, with the blessing of all concerned, that the high-rise program would be abandoned. Since then a new program has been developed for a low-rise project on the site which will ultimately accommodate as many as 2,000 residents. The plan calls for high density housing developed on a "cluster" concept. The cost of the first phase has been reduced from \$4,500,000 to \$3,340,000.

The first phase of construction includes housing facilities capable of housing approximately 648 residents and feeding approximately 1,200. A commons facility is being designed

to provide the dining, kitchen, and administrative areas. That facility will be used by the residents of Santa Ana and Santa Clara as well as the students residing in the new structures. The housing units will be flexible in two important aspects. First, it will be adaptable to building in stages; thereby enabling the University to avoid the costly luxury of overbuilding. Secondly, it will provide maximum flexibility in accommodating either sex as enrollment needs dictate, still maintaining a clear separation between individual units. A ratio of one single room to four double rooms is being provided in this project.

The basic housing unit will continue to be a "House" of approximately fifty students. However, rather than a horizontal grouping of residents, the new concept is designed around a vertical grouping. The typical House will consist of three floors of residents, approximately 18 residents to the floor. A cluster of three Houses will be joined to form a separate building which is designated as a "Group". Two Groups will form a "Village". Two Villages are planned for the fall of 1967.

Another break with past programming on this campus will be utilized in the room grouping. The traditional two man sleeping-study rooms will be abandoned in this project. Four man suites have been designed which consist of two sleeping rooms each accommodating two residents and a joint study room for the group of four. The plan has proven successful in other schools. It is contended that such a space arrangement provides for better study conditions

and more individual freedom. A Resident Advisor will continue to coordinate the program in each House. Despite bugetary limitations and the need for high density construction, it is believed that the new plan will provide an atmosphere which is non-institutional.

HOUSING ASSIGNMENTS

The University Housing Committee agreed that commencing next fall all initial housing assignments for on-campus students will be centralized and completed by the Housing Office. Following the initial assignments, requests for room changes will be processed by the Personnel Coordinators.

Next year requests to break Housing Contracts will be approved or disapproved by the University Housing Committee. This decision was the result of a recommendation by the Dean of Women that the committee be invested with jurisdiction for releasing residents from their contracts.

WORK-STUDY PROGRAM

During the coming year a portion of the student help in the residence halls will be included under the federal Work-Study Program. A needy student who qualifies for assistance under the program is allowed to work a maximum of fifteen hours per week while attending classes at a minimum wage of \$1.25 per hour. The federal government pays 90 per cent of the student's wages and the employing department pays 10 per cent from its budget. Theoretically next year, approximately one fourth of the students serving at the Information Desk will be in the program. Although many problems are anticipated, advantages to both student

and the University are obvious.

PLANT UTILIZATION DURING SUMMER MONTHS

During the summer of 1966, Hokona and Mesa Vista will be used for the purpose of housing visiting groups and overnight guests. Summer students will be housed in the four small residence halls. Women will be residing in Santa Ana and Santa Clara and male students will occupy Alvarado and Onate Halls. It is believed that more conference groups can be encouraged to utilize on-campus housing during the summer months if air conditioned space is provided. This factor combined with the fact that Hokona and Mesa Vista have elevator service heavily influenced the decision to use Hokona as a conference center and Mesa Vista to house the overflow. Of course the housekeeping process and servicing of rooms is greatly facilitated by elevators. Coronado Hall will be closed during the summer months. This should result in a considerable savings.

ROOM AND BOARD INCREASE

In light of increasing costs in most areas of operation, it is recommended that the feasibility of increasing room and board rates for the 1967-68 academic year be analyzed.

MAINTENANCE AND REPAIR

Several major maintenance projects are planned for the coming fiscal year. The lobby in Coronado Hall is badly in need of painting throughout. The carpets are badly worn and in need of replacement. Several pieces of furniture must be repaired. This work is scheduled for the period Coronado will be empty.

The lounge chairs located in the student rooms of Hokona Hall are, for the most part, in need of reupholstering. Thirty-four chairs are being repaired during the month of July. A recent survey of the furnishings of the Married Students Apartments indicated that seven davenports and lounge chairs must be replaced in the immediate future. The old pieces will be reconditioned and placed in the Peace Corps Apartments. The Department of Housing has been informed by the Physical Plant that some repairs are necessary in the Peace Corps Apartments. The furnace needs cleaning and minor repairs. Also a separate hot water heater must be installed to cope with the present load. This work must be completed if adequate heating and hot water are to be provided, and has consequently been authorized.

The exterior walls of Mesa Vista are developing severe cracks in many areas and present a very poor appearance. Replastering of the entire building is certainly necessary. Perhaps this project can be postponed until Mesa Vista is remodeled for administrative use.

ADMINISTRATIVE SEPERATIONS AND APPOINTMENTS

Staff appointments and seperations are included in the appendix for both the maintenance and personnel staffs. Only one change occurred this year on the administrative staff of the Department of Housing. Mr. Robert J. Poole, Personnel Coordinator for the Men's Residence Halls, terminated on June 15, 1966. Mr. Poole will work toward his Doctorate at East Texas State University.

Mr. Lawrence Lamako has been hired as the new Assistant Director of Housing and Personnel Coordinator. He will assume his duties on August 1, 1966.

OUTSIDE PROFESSIONAL ACTIVITIES OF STAFF

E. J. Smith, Director of Housing, was elected President of the Association of Intermountain Housing Officers at the group's annual conference last April. He served as Program Chairman for the conference. Brigham Young University acted as host for the Association on their campus in Provo, Utah. The University of New Mexico will be site for the 1967 meeting. Mr. Smith has accepted an appointment as a member of the program committee for the national Association of College and University Housing Officers. He served as a speaker at the regional conference, discussing the complexities of the new breed of student. He will serve as a program moderator at the annual convention to be held at Purdue University in August. It has been the practice in past years for the President to send two University representatives to the Conference on Higher Education conducted by the National Education Association each year. Mr. Smith was one of the representatives for the convention in Chicago during the month of March.

Roscoe E. Storment, Director of Maintenance for the department, attended the Institute of Management at Southern Methodist University during the month of December. This excellent workshop is sponsored by the Association of College

and University Housing Officers. He also participated in the regional conference of the Association of Intermountain Housing Officers, furnishing a noteworthy display of great interest to member schools.

The Personnel Coordinator for the Men's Residence Halls, Bob J. Poole, attended the national housing conference at Pennsylvania State University last August. In October he accompanied the Residence Hall Council delegation from this institution to the regional convention of the Intermountain Association of College and University Residence Halls. This is a student oriented conference which serves as a leadership workshop. Next October the convention will be held in Albuquerque on the University of New Mexico campus. Mr. Poole served on the program at the regional conference of the association of Intermountain Housing Officers in April. He presented a plan for the selection and training of resident staff.

In past years statistical analysis of various phases of the operation, the composition of the staff, and an account of residence hall maintenance has been included in the body of the annual report. In an effort to reduce the length of the present report, the forementioned areas have been presented as an addendum. Thus the reader is not forced to dig through the statistical data in order to analyze the basic operation of last year. Nevertheless the material which follows is vital in maintaining a complete history of the Department. By referring to the appendix, interested personnel have pertinent data available when it is desired. Thus the annual report becomes a working document within the department.

RESIDENCE HALL STATISTICS

A great many statistics are kept in the Housing Office during the course of a year. The more vital figures are recorded in the tables that follow. Comparisons of these statistics over the years provides the basis for many important decisions when planning future operations. These tables are self explanatory and no verbal documentary is presented.

Table I
Occupancy of Residence Halls: 1965-66

Classification	Alvarado	Coronado	Mesa Vista	Ocate	Hokona	Santa Ana	Santa Clara
Normal Capacity	170	428	301	176	616	170	170
Residents Starting Fall Semester	170	444	331	176	598	156	166
Residents End of Fall Semester	162	386	253	167	470	148	123
Residents End of Spring Semester	166	413	295	175	488	136	132
Total Move Outs	40	107	98	35	186	56	60
Total Move Ins	36	76	62	34	76	28	26
Year Total Move Ins	206	520	393	210	674	184	192

Table II
Occupancy of Residence Halls: 1965-66

Classification	Alvarado	Coronado	Mesa Vista	Ocate	Hokona	Santa Ana	Santa Clara
Freshman	53	259	221	130	278	91	98
Sophomore	98	147	74	31	200	61	44
Junior	34	68	63	32	100	24	38
Senior	20	32	29	11	48	6	4
Graduate	0	6	3	0	8	2	1
Unclassified	1	8	3	6	40	0	7
Total Regular Students	206	520	393	210	674	184	192

Table III

Reasons Listed For Withdrawing From Residence Halls
Prior To End Of Academic Year

Classification	Alvarado	Coronado	Mesa Vista	Ocate	Hokona	Santa Ana	Santa Clara
Withdrew from University	16	36	20	21	59	21	23
Moved to off-campus accommodations	15	32	33	10	84	12	18
Transferred Residence Halls	3	29	27	1	14	5	4
Graduated	2	0	2	0	0	2	0
Marriage	2	6	4	2	9	4	0
Move to Fraternity or Sorority	<u>2</u>	<u>4</u>	<u>12</u>	<u>1</u>	<u>20</u>	<u>12</u>	<u>15</u>
Total	40	107	98	35	186	56	60

Table IV

Guest Lodging - UNM Residence Halls

Classification	Alvarado	Coronado	Mesa Vista	Ocate	Hokona	Santa Ana	Santa Clara
Guest Housed	3	133	518	0	835	3	7
Overnights	3	260	2,253	0	3,774	4	10

Table V

Occupancy of Peace Corps Trainees: 1965-66

Bldg.	Contingent	In	Out	Count
<u>Peace Corps Apartments</u>				
	Chile CD	4 Oct 65	1 Feb 66	53
	Col EDUC	20 Dec 66	14 May 66	19
	Col PE	20 Feb 66	14 May 66	18
	ECU Urban Comm DEV	27 Feb 66	29 May 66	19
	Total			<u>109*</u>
<u>Coronado Hall</u>				
	Col RCA	16 June 65	12 Sept 65	111
	Sr Year-B	16 June 65	12 Sept 65	7
	Sr Year-E	16 June 65	12 Sept 65	4
	Sr Year-P	16 June 65	12 Sept 65	4
	Total			<u>126**</u>
<u>Mesa Vista Hall</u>				
	Col RCA	16 June 65	12 Sept 65	14
	Sr Year-B	16 June 65	12 Sept 65	2
	Sr Year-P	16 June 65	12 Sept 65	2
	Total			<u>18***</u>
<u>Hokona Hall</u>				
	Col Health	16 June 65	12 Sept 65	61
	Sr Year-B	16 June 65	12 Sept 65	8
	Sr Year-E	16 June 65	12 Sept 65	4
	Sr Year-P	16 June 65	12 Sept 65	1
	Col PE	19 Feb 66	14 May 66	4
	Col EDUC	20 Feb 66	14 May 66	12
	Col Urban Comm DEV	26 Feb 66	14 May 66	4
	Total			<u>94****</u>
Grand Total Peace Corps Housed				347
*Men and women housed - 97 men and 12 women				
**Men, women, and married couples housed - 103 men, 9 women, and 7 married couples (14 persons)				
***Married couples housed				
****Women housed				

Table VI

1965-66: Conference Groups

Group	Hall	Dates
Los Alamos Swimming Team	Mesa Vista	March 19
Baroque String Ensemble	Mesa Vista	March 27
New Mexico Assoc. of College Student Governments	Mesa Vista	April 23
Tennis Tournament	Hokona & Mesa Vista	June 4-6
High School Newspaper Clinic	Hokona & Mesa Vista	June 6-8
Jr. High Music Festival	Hokona & Mesa Vista	June 6-12
Head Start Teachers # 1	Mesa Vista	June 6-12
Education Workshop - TTAI	Hokona & Coronado	June 6-18
Psychiatric Nursing Workshop	Mesa Vista	June 6-18
Head Start Teachers # 2	Mesa Vista	June 13-19
Girl's State	Hokona	June 13-20
Latin American Workshop	Mesa Vista	June 14-18
School Lunch Workshop	Mesa Vista	June 14-18
Anthropology Field Group	Mesa Vista	June 19-20
Corale Workshop	Mesa Vista	June 19- July 2
Living Amer. Hist. Group	Mesa Vista	June 22
Boy Scouts-Portland # 1	Mesa Vista	June 24
Boy Scouts-Portland # 2	Mesa Vista	June 25
Latin American Group	Mesa Vista	June 25
Boy Scouts-Portland # 3	Mesa Vista	June 26
Jersey City State College	Mesa Vista	June 29-30
Experiment in International Living	Hokona & Coronado	July 3-17
Indian Workshop	Hokona & Coronado	July 5-27
Visiting Teachers # 1	Hokona	July 12
Visiting Teachers # 2	Hokona	July 15
Brazil Student Leaders	Mesa Vista	July 17-20
Cheerleaders Clinic	Hokona	July 18-23
Teen Tour	Hokona & Coronado	July 22
Winston Salem Tour	Hokona	July 24
Teacher Educ. & Prof. Studies Commission	Hokona	July 25-26
Living Amer. Hist. Group	Mesa Vista	July 29
Anthropology Dig	Mesa Vista	July 30- Aug. 1
Coaches Clinic	Mesa Vista	Aug. 1-7
African Group	Mesa Vista	Aug. 8-10
Japanese Group	Mesa Vista	Aug. 13-14
New Mexico Tax Assessors	Mesa Vista	Aug. 18-20
Boy Scout Executives Conf.	Hokona & Mesa Vista	Aug. 21-26

Table VII
Income From Laundry Operation

Hall	Washers & Dryers	Student Laundry
Alvarado	\$ 288.42	\$ 1,863.08
Coronado	791.93	5,315.10
Hokona	1,031.44	4,202.06
Mesa Vista	700.36	2,825.18
Ocate	335.20	1,413.57
Peace Corps Apts.		543.17
Santa Ana	270.36	1,482.13
Santa Clara	377.43	1,258.44
UNM Apartments	200.63	
Total	\$3,995.77	\$18,902.73

STAFF COMPOSITION, APPOINTMENTS, SEPERATIONS

Departmental employees are listed in three groups, each of the groups denoting an area of responsibility. The groups are: 1) persons who act in an administrative capacity and the secretarial staff, 2) housekeeping and maintenance personnel and, 3) student employees serving as Resident Advisors in the men's halls. The personnel staff for the Women's Residence Halls are not included in this report in as much as they are included within the Department of the Dean of Women.

ADMINISTRATIVE STAFF

Director of Housing	Smith, E. J.
Assistant Director of Maintenance	Storment, Roscoe E.
Men's Personnel Coordinator	Poole, Bob J.
Executive Housekeeper	Palomo, Nadine

The secretarial staff included:

Coronado	Vivian, Nell
Hokona	Eyler, Kathleen A. (Terminated 5/25/66)
Mesa Vista	Lively, Yvette
Santa Ana	Manguso, Mary L.
Santa Clara	Browning, Jo Anne (Terminated 4/11/66)
	Dawson, Laura (Appointed 4/11/66)

MAINTENANCE STAFF

1. Alvarado Hall:

-Present Employees

Leadman

Armijo, Robert

(Appointed 1/11/66)

Night Janitor

Otero, Barulio

(Appointed 1/1/66)

Maid

Ortiz, Martha

Maid

Sanchez, Maria

-Terminations During Year

Leadman

Armijo, Robert

(6/27/66)

Leadman

Thompson, Ott

(12/1/65)

2. Coronado Hall:

-Present Employees

Maid

Armijo, Mary

Night Janitor

Campbell, Gavino

Maid

Chavez, Genoveva

(Leave of Absence)

Leadman

Chavez, Manuel

Maid

Gallegos, Maria

(Appointed 11/1/65)

Maid

Sanchez, Charlotte

(Appointed 3/16/66)

Maintenance Repairman

Spillane, James

Linen Room Attendant

Trujillo, Lupe

3. Mesa Vista Hall:

-Present Employees

Janitor

Aragon, Julian

Maid

Duran, Josepha

Maintenance Repairman

Galloway, L. H.

Leadman

Garcia, Lorenzo

Linen Room Attendant

Grant, Juno

Maid

Silva, Mela

Night Janitor

White, Rayfield

(Appointed 9/15/65)

-Terminations During Year

Maid

Gutierrez, Reynard

(2/3/66)

4. Onate Hall:

-Present Employees

Leadmaid	Armijo, Conrado
Janitor	Mierra, Ralph
Night Janitor	Phares, Ernest
Maid	Vaquera, Eva

5. Hokona Hall:

-Present Employees

Maid	De Vargas, Rozanna M.
Maid	De Vargas, Denise
	(Appointed 6/6/66)
Maintenance Repairman	Fisher, Logan A.
Linen Room Attendant	Garcia, Romona
Maid	Garcia, Veva
	(Appointed 9/2/65)
Maid	Romo, Julie A.
Maid	Sanchez, Jennie
	(Appointed 10/5/65)
Maid	Sanchez, Virginia
	(Appointed 6/2/66)
Maid	Segura, Irene
	(Appointed 6/10/66)
Janitor	Wick, Francis
	(Appointed 6/14/66)

-Terminations During Year

Maid	Aragon, Dora
	(6/30/65)
Maid	Anaya, Estella
	(4/8/66)
Linen Room Attendant	Baird, Mandy E.
	(5/13/66)
Maid	Chavez, Anita
	(12/7/65)
Maid	Martinez, Epifania
	(8/15/65)
Maid	Montoya, Fidelita
	(7/12/65)
Janitor	Montoya, Jesus
	(1/10/66)
Janitor	Madrid, Manuel
	(6/15/66)
Maid	Rodda, Consuelo
	(6/15/66)
Maid	Trujillo, Odelia
	(4/22/66)

6. Santa Ana Hall:

-Present Employees

Maid	Armijo, Maria (Leave of Absence)
Maid	Benevidez, Angie
Maid	Gonzalez, Alberta (Appointed 9/20/65)
Maid	Narro, Delfina Maya (Appointed 5/27/66)
Linen Room Attendant	Romero, Beda

7. Santa Clara Hall:

-Present Employees

Maid	Candelario, Agnes
Janitor	Chavez, Cardinio
Maid	De Lao, Erminia (Appointed 12/15/65)
Maid	Herrera, Virginia (Appointed 11/9/65)

-Terminations During Year

Assistant Housekeeper	Wilson, Gertrude (6/30/66)
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8. Peace Corps Apartments:

-Present Employee

Maid	Lovato, Bernie
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STUDENT ADVISOR STAFF

1. Alvarado:

Hall Area	Semester I	Semester II
House Advisor	Watson, John	Watson, J.
Kearny	Waples, David	Weaver, Tim
Comanchero	Lee, Jim	Lee, J.
Kiowa	Scott, Merle	Scott, M.

2. Coronado:

Head Resident	Rogers, David	Rogers, D.
Ground Floor	Boeglin, Randy	Boeglin, R.
1st Floor	Dvorak, Jamie	Dvorak, J.
2nd Floor	Stuart, Steve	Stuart, S.
Chimayo	Lilleskare, O.	Lilleskare, O.
Chimayo	Holcomb, Tim	Holcomb, T.

2. Coronado: (Continued)

Mescalero	Hain, Gordon	Dennison, Dan
Navajo	Hansis, Dick	Hansis, D.
Pueblo	Rominger, Lanny	Rominger, L.
Pueblo	Mc Adams, Jim	Mc Adams, J.
Tewa	Kennedy, Larry	Kennedy, L.
Tewa	Hobson, Jerald	Hobson, J.

3. Mesa Vista:

Head Resident	Ray, Charles	Ray, C.
2nd Floor	Lewis, George	Lewis, G.
3rd Floor	Marotto, Ronald	Marotto, R.
Yaqui	Tvrdik, Wayne	Jones, Mark
Yaqui	Gober, Jay	Gober, J.
Mendoza	Clifford, Bill	Clifford, B.
Aztec	Hatler, Larry	Hatler, L.
Mossman	Pringle, Bill	Pringle, B.
Escalante	Barnitz, Reed	Tvrdik, Wayne

4. Onate:

Hall Advisor	Wollmann, C. E.	Wollmann, C. E.
Churicahua	Cushnie, Jay	Cushnie, J.
Toltec	Webster, Gary	O Mara, Dennis
Acoma	Ertwine, Carl	Ertwine, C.

5. Peace Corps Apartments:

Resident Advisor	Banks, Roger	Banks, R.
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6. Summer Session - 1966:

-Alvarado Hall:

Head Resident	Watson, John
Resident Advisor	Mc Adams, Jim
Resident Advisor	Pringle, Bill

-Onate Hall:

Resident Advisor	House, Gary
Resident Advisor	Lilleskare, O.
Resident Advisor	Stuart, Steve

RESIDENCE HALL MAINTENANCE

The major physical improvements and repairs which have been accomplished or started this year are outlined by place of residence as follows:

MARRIED STUDENT APARTMENTS

1. A new roof was installed by the Acme Roofing Company on the wing of apartments including numbers five through eighth and the laundry room.
2. A new plastered block wall was installed between two wings of apartments in order to provide an enclosed play area for children. A swing and slide set was also purchased for the area.
3. Bumper guards were installed in the parking areas.
4. All outside trim, window frames, and doors were painted.
5. Cut off valves were installed in each apartment.
6. New tile flooring was installed in apartments # one, # ten, and # nineteen.
7. New sub flooring and tile was installed in apartment # four.
8. Apartment # seven was redecorated and new tile was installed in the living room.

PEACE CORPS APARTMENTS

New ceramic tile was installed in the bathrooms of seven apartments. This work completes the project started last year with all ten bathrooms having been reconditioned.

ALVARADO HALL

1. One formal closet on each floor was converted into a typing room. Blackboards, typing desks, and chairs were furnished in each of the three converted rooms.

2. Wire impregnated glass doors were substituted for curtains in the shower stalls of each rest room.
3. By removing a toilet door and seat in the rest rooms, a urinal was provided in each.
4. The Swanson Laundry Company installed three coin operated washers and two dryers in the laundry room.
5. Three ironing boards were installed in the laundry room.
6. An RCA television set was purchased and installed in the T-V room.
7. A ten unit bicycle rack was installed in front of the hall.
8. Name plate holders were installed on the doors of all resident study-sleeping rooms.
9. The valves on the automatic sprinkler system have been rearranged for more efficient operation.

CORONADO HALL

1. In July and August a complete modification of the basement area was completed at a cost of \$3,590. The entire ceiling was lowered and fluorescent lights installed. Vinyl asbestos floor tile was put down in the recreation and T-V room areas. A refrigerated drinking fountain was installed.
2. On February 23, 1966 seventy two pieces of furniture were furnished in the recreation-lounge area at a cost of \$2,142.
3. Hall extension phones were removed and a lobby

phone installed next to the office.

HOKONA HALL

1. New furniture was purchased and installed in apartment # 174, Zuni.
2. The drapes in the recreation room, lobby, offices, and apartments were cleaned.
3. All bathroom floors and showers were sealed. The shower seats in all rest rooms were refinished.
4. Student rooms and public areas throughout the building were painted as needed.
5. The ceiling tile was replaced in 22 rooms.
6. Soap and towel dispensers were installed in the lobby, lounge, recreation, and basement rest rooms.
7. The hardware and locks were replaced on the four front entrance doors.
8. Two phones were installed in the lobby in addition to the new room telephones.

MESA VISTA HALL

1. The furniture was removed from those rooms assigned as faculty offices and stored in the basement storage room of Coronado.
2. An area on the east side of Mesa Vista was established as a parking lot for motorcycles. The space was graveled, bumper guards were provided, and adequate lighting was installed.
3. Telephones were installed in each room during the month of August plus a lobby phone.
4. Room 3066 was converted into a group study lounge.

5. A new folding counter door was installed at the information desk.
6. A vanity was constructed in the women's powder room adjacent to the lobby.
7. Student rooms were painted as needed.

ONATE HALL

1. Negotiations are taking place in an effort to have the lavatories replaced in the rest rooms. The quality of the sinks at the time of installation is in question.
2. All drapes were cleaned and fireproofed by the University Cleaners.
3. The old telephone boothettes were removed from the hallways and a lobby phone was installed.
4. Scratched and damaged doors were refinished as needed throughout the building.
5. Damaged ceiling tile was replaced in the rooms and hallways as needed.

SANTA ANA

1. Severe cracks in the bathroom walls on the second and third floors have been repaired.
2. The valves on the automatic sprinkler system have been relocated for more efficient operation.
3. A light was installed in the incinerator room because of the hazard to safety.
4. Frosted glass was installed in the office door.
5. Shelves were installed in the janitorial closets.

6. Feminine hygiene dispensers and disposals were placed in all rest rooms.
7. One hand truck was purchased.

SANTA CLARA

1. All drapes were cleaned and fireproofed.
2. Paper towel dispensers and feminine hygiene dispensers and disposals were furnished in all rest rooms.
3. One hand truck was furnished.

THE REPORT OF THE PHYSICAL PLANT DEPARTMENT

July 1, 1965 to June 30, 1966

M. F. Fifield, Director

CONSTRUCTION & MAINTENANCE DIVISION

As heretofore the mission of providing maintenance and operational support for the teaching, research, student and administrative spaces on the campus occupied a consistent and continuing role of this division. In addition to this regular work, there were remodeling jobs of varying magnitude performed in practically every building on the campus. A few of these jobs that were typical and noteworthy are as follows:

- (1) Anthropology - Installation of teaching appurtenances in lecture hall.
- (2) College of Education - Installation of folding partition in classroom building.
- (3) KUHM - Erection of F.M. Antenna.
- (4) Medical Building #5 - Installation of laboratory equipment.
- (5) Research Center - Remodel of existing space to house computer.
- (6) Y-1 - Conversion of classrooms to administrative offices.
- (7) Zimmerman Stadium - Conversion of play area to parking lot.

Another major function of this group was the moving in and shake down of several new facilities that were either built or acquired during this report period. Additionally several members of this department lent significant support to the University Architect's Office for projects in the planning and construction phase.

Areas of concern remain basically the same as those reported in previous years. Several shops in this department are severely understaffed and in dire need of adequate shop space. Also last year's pay increases helped relieve some of the difficulties encountered in personnel management yet the low pay levels are still a definite problem.

SERVICES DIVISION

Automotive Section

The urgent need for a separate Automotive Building as outlined in our 1965-66 Annual Report is still paramount. Some progress has just recently been made to handle the problem.

(1) On October 15, 1966, the University Architect's Office completed a site plan of Physical Plant facilities including the proposed location of the Automotive Building. This plan is essentially satisfactory to this office.

(2) On November 8, 1966, the University Administration approved the budgeting of the structure at a cost of \$100,000 from the current bond issue.

(3) On November 17, 1966, the Planning Committee selected Walter Gathman as the architect to handle this structure.

It is sincerely hoped no stone will be left unturned to enable this facility to be constructed during this fiscal year. The removal of the Automotive Shop to a separate building will eliminate a serious fire hazard to the present Service Building and will also enable more complete and efficient service for the 145 road vehicles and 21 automotive equipment machinery now maintained by this shop.

Custodian Section

This section is operating under several handicaps. The manpower turnover rate has increased this past year. One reason for this loss of manpower has been the growing pay scale differential between comparable local institutions and the University. The starting rate at the Albuquerque Public Schools is 12¢ per hour higher than our men, and the City of Albuquerque start their men at 26¢ per hour higher. We have been unable to maintain a full staff. In order to keep up with the work load, we have had to request our men to work many overtime hours. This practice not only raises the overall costs of our operation, it also creates hardships on the men as their normal work/rest routines are disrupted.

The traditional 4:30 p.m. starting time for custodians is no longer the best time for the University. The numerous late evening activities all over the campus slow down custodian operations and contribute to overtime charges.

We recommend that:

1. The pay for custodians be raised to meet local competitive rates in order that we may attract qualified applicants, and keep the men we now have.
2. Change the starting time for custodian work from 4:30 to 6:30 p.m. and adjust the pay scale to compensate the custodians for the later hours in accordance with normal policy within the region for shift work.

In view of the vital role the Custodian Section plays in support of the University program, we feel it is essential that approval be given to effect the above changes at the earliest possible moment.

Locksmith Section

Requests for locksmith services, which include complete rekeying of buildings as departments expand and move, have continued to increase. Budget consideration should be given to increase the staff from two full time men to two and one-half men. Salary scales should be adjusted upward to levels commensurate with the skills and training the position requires.

Special Activities Section

The Special Activities Section continued to coordinate the service required to support several campus activities and functions. A recap of the categories which were supported follows:

Alumni Memorial Chapel Events	42
Student Sponsored Events	17
Athletic Events	47
Other UHM Sponsored events	78
Non-related University Approved Events	<u>12</u>
TOTAL	196

UTILITIES DIVISION

2000 Ton Chiller

The completion of the new 2000 Ton Chiller addition remains our most significant holdover problem. On or about July 27, before any part of the complex facility was tested, the General Contractor, Rees Plumbing Company of New Mexico, was taken over by the bonding agent, Pacific Indemnity Company, with the law firm of Toulouse, Ruud, Gallagher, and Walters appointed to act as Pacific Indemnity's agent.

Inasmuch as significant work remained in testing the several items of equipment a meeting was called on November 8, to endeavor to work out a practical off season test of the chiller and its components. All interested parties (contractors, major suppliers, Pacific Indemnity and the University) were represented at this meeting. To load the chiller, a converter in the Fine Arts Building is being tied into the chiller and if all goes well the unit is scheduled to be tested the week of December 15. Those items found to meet the test specifications will be accepted, and those found to fail in the test will be rejected. The contractor or supplier through the bonding agent will be asked to correct the item by a given date.

Thus it is hoped this chiller will be ready for full operation by May 1, 1967, one year later than it was scheduled for completion.

150,000 #/Hr. Boiler Addition

Another major step taken in the Heating Plant expansion program concerned the selection of an engineering firm to handle the design of the new 150,000 #/Hr. boiler addition. A committee consisting of Ford, Burke, Rainwater, Williams and Fifield visited the following plants to examine in detail the work of the three engineering firms considered for this assignment.

<u>Plant</u>	<u>Engineering Firm</u>
University of Texas	Bovay Engineers, Inc.
Texas A & M	" " "
Nassau Bay, Texas	" " "
University of Colorado	Swanson and Rink
New Mexico State University	Bridgers and Paxton

After presentations on August 23, Mr. Hooker joined the above committee and the committee selected Bridgers and Paxton to handle the assignment.

Subsequently, on November 8, the University Administration approved the committee's recommendation to negotiate a contract with Bridgers and Paxton for the following work:

150,000 #/Hr. Boiler	\$500,000
2000 GPM Well and tie in to #3 Reservoir	\$100,000
Fire line conversion to UNM System	\$ 75,000

Two more utility studies which were started during the reporting period may be briefly recapped as follows:

Incinerator Study

With the start of the Medical School and its production of increasing quantities of pathological waste, it became evident that a good look at the total waste disposal problem at UNM should be reviewed by a qualified consultant versed in waste disposal. After a review of a number of firms, the firm of Whitman, Requaardt and Associates was selected to handle this survey.

In order to fully assess possibilities of a coordinated incinerator survey, on October 26, a meeting was set up to allow representatives from Whitman and Requaardt to meet with representatives from other producers of pathological and radioactive wastes in the Albuquerque Area. This meeting indicated there was a possibility of joint use of a common facility.

A formal proposal to handle this survey has just been received from Whitman and Requaardt and indicates the cost of such a report on an hourly basis plus direct costs will not exceed \$8,500. In view of the magnitude of UNM's waste disposal problems shaping up for the near future, we urge this survey be given early approval.

Electrical Energy Generation Study

Still another important problem taken under study during the period involves the question of whether or not the University should consider the generation of all or

part of the electrical energy it uses.

An idea of how our power bill is increasing can be gained from the following chart:

<u>FISCAL</u>	<u>TOTAL COST POWER</u>
1960-61	\$ 142,000
1965-66	\$ 200,000
1966-67	\$ 290,000
1967-68	\$ 400,000 (Estimated)

Accordingly, on October 3, 1966, Mr. Carl J. Eckhardt, Director of Physical Plant at the University of Texas, was persuaded to give us one day of his time and look into our electrical generation problem. Mr. Eckhardt has headed up the electrical generation facilities at the University of Texas since 1926 and is undoubtedly the most prominent and well-versed university staff member in this field in the country.

Anyway, Mr. Eckhardt recommends we spend on the order of \$15,000 to \$20,000 for a survey. Two side benefits of such a survey, besides telling us whether or not we should generate, would be to negotiate the cost of both gas and electricity for a reasonable number of years to come. It is easy to see that an outside firm versed in negotiating with utility companies is best qualified to handle such a problem.

Thus on November 7, President Popejoy authorized us to get proposals for this survey from the three firms suggested by Mr. Eckhardt. These three firms are Sargent and Lundy, Chicago; Gibbs and Hill, New York; and Burns and Roe, New York.

Statement on Plant Personnel

The recent turnover of personnel in the plant emphasizes the problem of keeping good operators at extremely low salaries we pay our operators. Comparable plants in the area start their men at an average of 27% higher rates. Thus an increase in the starting wage scale is sorely needed.

TAOS COUNTY PROPERTIES

LAWRENCE RANCH

General Statement of Use

The 1966 spring and summer season, April 1 through September 30, enabled the Ranch to host 7 meetings, clinics and sessions which involved a total of some 480 people. Concurrently the Kiowa Village facilities provided the recreational housing for some 1000 adults and 500 children.

Kiowa Cottages

Work continued on Kiowa Village throughout the year so that as of November 30, 1966, the following is the completion status of all structures in this area.

	<u>PROGRAMED</u>	<u>COMPLETE Nov. 30</u>
Double Cottages	7	6
Single Cottages	14	14
Utility Building	1	1

Kiowa Reservoir

The Kiowa Village Reservoir was approved by the Lawrence Ranch Committee on May 26, 1966, and on October 26, 1966, Mr. S. E. Reynolds, the State Engineer, officially requested the Rio Grande Compact Commission to allow the University to fill this reservoir. Before the reservoir can be filled, however, the structure must be beefed up in accordance with an engineering study made by Dr. Miranda, P.E. The cost of the remaining work on this structure is estimated at \$5,000.

Gallina Creek Water Line

The 7" Araco water line from the Gallina has been laid out on the remaining 4000' of right of way. In view of other work on the Ranch, it is anticipated that this work will be completed in two increments.

Present terminus to position opposite Kiowa Village	2000'	1966-67
Position opposite Kiowa Village to Lobo Lodge tanks	2000'	1967-68

Lawrence Fellowship Cottage

A \$10,000 budget for a new cottage to house the Lawrence Fellowship was approved. On April 28, 1966, the site for this structure was approved by a committee headed by President Popejoy. This site is located in a handsome stand of ponderosa pine about 600' south of the present Lawrence Cottage. After considering several styles of structures, a 24' 8" x 37' 8" mountain cabin with fir panel sides and shingle roof was purchased to be delivered to the building site at the Ranch.

It is anticipated this structure will be installed and ready to use by the recipient of the 1967 Lawrence Fellowship.

Assembly Building

Approval for a 1600 sq. ft. assembly building at a cost of \$35,000 has just been received. This will provide meeting space separate but adjacent to Lobo Lodge, where we have facilities for housing and feeding 120 persons. It is anticipated this work will be completed by July 1, 1967.

HARWOOD FOUNDATION

Two projects are anticipated within the next fiscal year.

- (1) Revamping exterior sewer lines complete with a new manhole at an estimated cost of \$2500.
- (2) Conversion of heating system from butane to natural gas at an estimated cost of \$3300.

SLIDE TAPE ON SERVICE

At President Popejoy's suggestion, a slide tape to describe the services rendered by the service departments on the campus has been started. This slide tape will attempt to show the deans, department heads and department secretaries how to secure the services of the several service departments on the campus. The first phase, an 80 slide, 22 minute presentation giving the story on Physical Plant services has just been completed. Additional phases covering the services of the other service organizations will be attempted in the near future.

SAFETY- EMERGENCY PLANNING COMMITTEE

To support the University's new safety program and the emergency planning program instituted by President Popejoy's directives on April 15, 1966, the Physical Plant Department has organized two committees:

SAFETY COMMITTEE

Frank Feather, Chairman
Bill Bowen

Pat Rainwater
Walter Lewis, Ex officio

EMERGENCY PLANNING COMMITTEE

M. F. Fifield, Chairman
C. E. Retslaff
Floyd Faustman
Abe Robbins

F. B. Williams, Jr. Ex officio
H. S. Adler, Ex officio
R. O. Burke, Ex officio
Jack Cairns, Ex officio

Preliminary meetings have been held and it is intended that significant progress can be reported in the 1966-67 Annual Report.

MISCELLANEOUS

Three important employee morale building activities should be briefly mentioned in this report:

(1) First Annual Service Award party was held on December 29, 1965, in which 65 employees with 10 or more years of service were given the new service pin designed by Professor Ralph Douglass.

(2) The continued publication of "El Servicio Real," now in its second year or publication, has proven a most beneficial enterprise. The publication committee headed up by J. R. Callahan, Editor, is to be complimented on the readability of the articles, news and cartoons that the little quarterly has published.

(3) The Thirteenth Annual Custodian Workshop attracted 96 participants from 22 institutions located in 6 states.

THE REPORT OF THE PRINTING PLANT

1220

FISCAL YEAR 1965-66

Edwin J. Schodorf, Director

With the growth of the University and increased requests from other Institutions of Higher Learning, the printing volume advanced again this fiscal year. An increase of 24% over the previous period was recorded. The Plant was able to show a profit and still maintain the same overhead charge of 115% on direct labor. This percentage has been used for the past six years.

As of June 30, the Plant has a working complement of the following personnel:

Director	(1)
Secretary	(1)
Bookkeeper	(1)
Proofreader	(2)
Mimeograph	(1)
Foreman	(3) Composing Room, Pressroom & Bindery
Linotype Operators	(3)
Compositors	(6)
Pressmen	(4)
Journeyman Book Binders	(3)
Journeywomen Binders	(4)
General	(1) Part-time Mimeograph & Camera Room

Total number of employees 30

The following is a summary of Sales and a breakdown of some of the jobs completed during the fiscal year 1965-66:

University Printing (General)	1,029	\$198,986.77	45.3%
UNM Press Printing	50	71,099.50	16.2%
Student Printing	288	53,217.67	12.1%
Off-Campus Printing	<u>207</u>	<u>115,485.34</u>	<u>26.4%</u>
Total Printing Jobs completed	1,574	\$438,789.28	100%

*Total Cash Receipts, same Period \$ 91,610.35

Student Credit 53,217.67

Total Revenue, Cash & Student Credit \$144,828.02

*This amount was smaller than Off-Campus Sales due to advanced payments for Printing Jobs from the previous 1964-65 fiscal year, by New Mexico Institute of Mining & Technology, Socorro.

Profit, 1964-65 \$31,747.52

Profit, 1965-66 \$36,015.39

Total Increase \$ 4,267.87 (Net Profit after Bond Deduction)

Types of Printing:

Brochures	(23)	59,700
Business Reviews	(13)	22,300
Catalogs	(12)	105,300
Class Schedules	(3)	34,000
Directories	(2)	7,500

Hardbound books (Archie Bahm 1,334; Boys Academy 250;

Government Research 500; Mirage 6,000; N.M. Geological Society

1,000; NMI&T 700; UNM Press 21,112; U.S. Air Force 3,000) 33,896

Magazines (Alumni 3, 73,500; ATOM (LASL) 14, 99,900;

Miscellaneous 147,051

320,451

Newsletters (22)	87,600
Newspaper (LOBO)	122
Paperbound (Journal & Bulletin) (33)	56,709
Programs (Football, Basketball, Track) (25)	<u>42,348</u>
Total	769,926 Copies
Balance: Letterheads, Envelopes, Cards, Forms, etc.	

A total of 1,574 Jobs were completed the past year. Student and Off-Campus printing accounted for 38½% of the total volume of printing sale.

The major Off-Campus customers are as follows:

A.F.O.S.R. Scientific Seminar, Air Force Missile Development Center - Washington D.C.	6,188.84
Albuquerque Boys Academy Albuquerque, New Mexico	1,514.35
Albert R. Lopes (Verb Book) El Paso, Texas	769.75
Archie Bahm (Directory of American Philosophers) Albuquerque, New Mexico	4,145.49
E.C.I. Hospital Albuquerque, New Mexico	241.53
Calvert Academy Albuquerque, New Mexico	357.44
Dean Crenshaw (National Society) Albuquerque, New Mexico	746.90
Lovelace Foundation Albuquerque, New Mexico	572.22
Miscellaneous (Student Organizations not connected with Associated Students)	1,811.74
Museum of New Mexico Santa Fe, New Mexico	13,012.06
New Mexico Geological Society Albuquerque, New Mexico	6,991.54
New Mexico High School Coaches Association Albuquerque, New Mexico	538.90

New Mexico Institute of Mining & Technology Socorro, New Mexico	28,631.58
New Mexico State Finance Department Santa Fe, New Mexico	186.68
New Mexico State Game Department Santa Fe, New Mexico	1,750.00
New Mexico State Department of Economy Santa Fe, New Mexico	1,250.97
New Mexico State Planning Office Santa Fe, New Mexico	1,403.08
New Mexico State University University Park, New Mexico	1,739.65
New Mexico Western University Silver City, New Mexico	9,973.52
Peace Corp Washington, D.C.	5,077.69
School of American Research Santa Fe, New Mexico	4,423.39
Socorro Historical Society (N.M.I.M.&T.) Socorro, New Mexico	260.00
University of California Los Alamos, New Mexico	<u>23,898.02</u>
	\$115,485.34

New Equipment

An order was placed with the Miehle-Dexter Company for a new 25" x 38" Offset press. Delivery is scheduled for August, 1966. With the increased volume and current workload should there be a breakdown of the present equipment in the Press Room, 75% of the production would have to be stopped. Plus being insurance against a shutdown, the quality will improve with the addition of this equipment.

It is now possible to have printing done either by Letterpress, Offset, or mimeographed. The Bindery is set up to handle all types of binding, such as Saddle Stitch, Side Stitch, Sewed, Perfect Bound and Drilled for three-ring binders. There is sufficient equipment available at the plant to produce any type of printing job required by any department on the campus.

As in the past, it is the constant aim of the Printing Plant to operate more efficiently and to give the best service to all concerned.

The Report of the Department of Campus Security and Police
July 1, 1965, to June 30, 1966
J. A. Cairns, Director

During the 1965-66 fiscal year this Department has continued to maintain security of almost eighty buildings, the policing of the entire Campus, assisting the Physical Plant in the performance of some of its functions, cooperating with and assisting the Office of the Dean of Students, and extending police services where requested or needed. The University Police has continued to maintain excellent relationships with all law enforcement agencies in the immediate area. Some of its officers have received commendations for services rendered.

University Police Officers were fortunate to have been invited to attend four police training courses which were sponsored by the City of Albuquerque, the Federal Bureau of Investigation, and civic organizations.

This Department was successful in the recovery of reported stolen property from the University, faculty and staff members and students, and conducted investigations concerning University interests.

Fifteen persons are assigned full time to this Department: 1 Director of Campus Security, 1 Captain of Police, 3 Police Sergeants, 9 Police Patrolmen, and 1 Receptionist-Secretary. Four student Receptionist-Dispatchers are employed on an hourly basis. One patrolman resigned in June, 1966, and his position

was filled two weeks later. It is recommended that three more patrolmen be employed during the 1966-67 year to meet expected police demands.

A large amount of construction on the Campus has eliminated some parking space. At present there are 2,900 parking spaces on the Central Campus. There were 10,900 student parking permits issued and 3,600 faculty-staff permits issued. In some cases more than one permit was issued to a vehicle.

Members of this Department have been invited to speak to the Student Council, the custodial force, other law enforcement agencies, and civic groups explaining its function at the University of New Mexico.

ANNUAL REPORT OF UNIVERSITY GOLF COURSE

July 1, 1965--June 30, 1966

SUMMITTED BY DICK MCGUIRE, MANAGER

Total rounds and records:

49,715 rounds, eleven hole-in-ones, front nine
course record, 29, by Dick Placek.

Major tournaments were:

The Tucker Intercollegiate, New Mexico PGA Junior,
UGA Invitational, and Men's City Tournament (one round).

Developments at North (old) Golf Course:

1. Construction of chain link fence bordering the east perimeter of golf course.
2. Construction of new tee-boxes on holes #13, #14, and #16.
3. Clubhouse: Complete inside repainted; outside trim doors etc. repainted.
4. New benches and yardage signs on course.

Developments at South (new) Golf Course:

1. New 21 hole golf course 90% completed. Facilities include-18 hole championship golf course, 3 warm-up holes, driving range, practice greens and traps, 2 lakes, 3 ponds, automatic sprinkling system, 75 traps, 900 transplanted trees.
2. New buildings 50% completed. Facilities include pro-shop (sales area, lounge, men's and women's locker rooms, basement houses 50 electric carts), restaurant (snack bar, dining room to seat 300), two rest stations on course, and maintenance building with apartment.

Administrative staff appointments:

Joe Hults, Assistant Superintendent of South Course,
effective date, August 1, 1965.

Plans and recommendations for the near future:

1. Completion of course and buildings; opening about
October 1, 1966.
2. Purchase 30 electric carts.
3. Transplant trees from Sandia Mountains during Winter.
4. Construction of parking lot and paved road to course.
5. Construction of drainage ditch to divert run-off from
mesa East of new course.
6. Asphalt cart trails for electric carts.
7. Planting of rough with native indian wheat.
8. Planting of arboretums in conjunction with biology
department.

Outside professional activities of staff members.

1. Dick McGuire-President of NCAA Golf Coaches
Association.
2. Bob Meiering-Chairman of the Northern New Mexico
Course Rating Committee.