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Annual Report of the University, 1956-1957

University of New Mexico

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University of New Mexico

UNIVERSITY OF NEW MEXICO

ANNUAL REPORT
OF THE
UNIVERSITY

JULY 1, 1956 - JUNE 30, 1957

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THE REPORT OF THE PRESIDENT

1956-1957



THE UNIVERSITY OF NEW MEXICO

BULLETIN

THE REPORT OF THE PRESIDENT

To the Governor of New Mexico



July 1, 1956 — June 30, 1957

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The Report of the President

TO THE GOVERNOR OF NEW MEXICO:

AS PRESIDENT OF THE UNIVERSITY, I have the honor to submit to you, through the Regents, the report of the University of New Mexico for the academic year, 1956-57.

Higher education faces a challenge today which has increasingly serious implications—that of maintaining high quality of instruction while accommodating students in unprecedented numbers. Not only is the college-age population increasing at a rapid rate; a steadily growing proportion of this age group is going to college. There is little guesswork in predicting a doubled enrollment—12,000 or more—at the University of New Mexico by 1965 or 1970, and there is reason to doubt seriously that either facilities or faculty will be available in sufficient quantity or quality.

Drastic steps on the national level are needed for a solution of this problem. President Eisenhower's Committee on Education Beyond the High School has recently recommended "to every board of trustees, every legislature, and all others responsible for academic budgets that the absolute highest priority in the use of available funds be given to raising faculty salaries, with the goal of doubling the average level within 5 to 10 years."

Salaries must certainly be raised and other methods for increasing the teacher supply must be explored exhaustively if we are to do more than a mediocre job in the years ahead. It is an inescapable fact that there is a steady reduction in the number of qualified people who choose, and stay with, college teaching as a career.

The Council for Financial Aid to Education recently distributed a booklet entitled *The Closing College Door*, "closing . . . as measured by the opportunities available to the bulging numbers of students who seek and need a college education, and

by inadequate numbers of teachers and of buildings and other plant facilities to cope with them effectively." The report continues in part, ". . . our colleges are already seriously underfinanced. The dilemma is of huge proportions: we haven't the facilities now to do the best kind of job, yet our task will grow steadily bigger and more difficult as the years pass. The situation is a matter of national urgency. It's time to look squarely at the facts, for they affect the life of every citizen—man or woman, young or old. Your future and the future of our Nation depend to a startling degree on how effectively the American people nourish the quality of learning produced in our colleges and universities."

As this report is written, we are about to embark upon a self-survey which will examine critically every phase of our operations and, we hope, suggest improvements. No question of scholastic accreditation is involved, but we have asked the North Central Association of Colleges and Secondary Schools to recommend someone skilled in institutional analysis to help us evaluate our entire program. This is a time for enlisting every means of assistance if the University is to maintain or better its present position of leadership.

Earnest efforts are being made to prepare for years of rapid growth, and this report sketches in brief a few of the things that are being done in the continuing search for more efficient and effective operation—an experiment in the better utilization of teachers, a University College for all freshmen, experiments in educational television, and a program for exceptional students, to name but a few.

Developments in research, faculty welfare, and student life, activities of the alumni and regents, the physical growth of the campus, and a summary of financial operations are briefly covered. A section is also devoted to the University's services to the community and the state at large, services which are a normal part of the functions of a state university, but many of which are perhaps little known.

During the past year we have moved forward in many areas; additions to the staff have been persons of competence and scholarly achievement, and our academic program has been strength-

ened. It is hoped that this review, brief as it is, will show a year of progress and of promise for the future.

Educational Developments

The limits of this report will permit only brief mention of the more noteworthy educational developments during the past year and little of the day-to-day operations of specific colleges and departments. The normal activities of these forty-one instructional units remain, however, the strong core of the University's academic program.

The University College, created after several years of intensive study by the Faculty and its committees, began operations this fall, with William H. Huber, Jr., Associate Professor of Business Administration, named as the first director. According to the new plan of study, all beginning students and any transfer students with less than a specified number of credit hours enter the College and remain in it for a minimum of two semesters before assignment to any of the degree-granting colleges.

Enrollment in the University College for the first semester of 1957-58 totals 1,804, of which 1,147 are beginning freshmen, 511 former students, and 146 are transfers. Although the choices made by this group for future college assignment are as yet on a most tentative basis, the following intentions have been filed and may be considered at least roughly indicative of actual assignments a year hence: engineering, 453, or 25.11 per cent of the total; undecided, 453 (25.11%); arts and sciences (including pre-law), 368 (20.40%); education, 207 (11.47%); business administration, 176 (9.76%); fine arts, 89 (4.93%); nursing, 31 (1.72%); and pharmacy, 27 (1.50%).

One of the first duties of the University College has been to devise a carefully planned advisory system in which every effort is made to help the student adjust to college and find the area in which he can work most effectively. The College is using the services of seventy-eight advisers selected from the general faculty, three special faculty advisers to whom unusual cases may be re-

ferred, a group of student counselors, and the full facilities of the University Counseling and Testing Services.

Aware that too little is being done throughout the country to encourage the gifted student, the University started this fall an experimental honors program for entering freshmen. On the basis of special interviews with those who were ranked unusually high on entrance tests, twenty-eight freshmen were selected for special sections of English, history, and mathematics, with freedom of choice for their other courses. In addition, the group is divided into two sections for weekly two-hour seminars in which a broad range of philosophical, scientific, and literary works, previously assigned for reading, are intensively studied and discussed. The new program is intended to enrich but not speed the student's education and is an attempt to insure that liberal education remains personal, broad, intensive, and subject to uncompromising standards of performance.

A grant of \$153,000 from the Fund for the Advancement of Education has made possible the launching of a pioneer three-year program in educational television. The stated purpose of the grant was "to make college courses of high quality available to communities without access to higher education," and, commencing this fall, four freshman-level credit courses—in anthropology, biology, English, and mathematics—are being telecast by the University to seven outlying communities. Regular classroom procedures are followed in each of these communities, with a University-trained monitor on hand to lead discussion and grade the students' work.

Operation thus far has been by closed circuit, through use of kinescope films made on the campus, but starting in February the University and the Albuquerque Public School System will manage jointly their own educational television station, broadcasting from the University studio by open circuit over channel 5. Operational costs and responsibility for program-content will be shared equally, with the University providing facilities and production personnel. Five additional channels have been reserved for future educational purposes in New Mexico, and the University has indicated its interest in participating actively in a statewide educational program through the medium of television.

The Laboratory of the Department of Modern and Classical Languages, which began audio-experimentation ten years ago in the teaching of Spanish, has kept pace with the most advanced developments in elementary language instruction in the country. During the past year a building was redesigned for the specific use of the Department, and there is provision for ample laboratory space, a recording studio with modern electronic equipment, a master control room, and semi-soundproofed student booths. The new facilities have permitted extension of the oral-aural comprehension method of instruction from Spanish to French, German, and Russian, and the results have been such as to draw favorable attention to the program from many quarters.

The graduate programs at Los Alamos Scientific Laboratory and Holloman Air Force Missile Development Center, started in 1950 and 1954, respectively, have been developing in a most satisfactory manner. The Los Alamos Graduate Center completed its first year of operation with a full-time director, offering complete resident programs in chemistry, mathematics, physics, and three areas of engineering. Also, in a significant step forward, the Center organized a Staff Member Advisory Council, the membership of which was drawn from the highly trained Laboratory personnel.

The program at Holloman was encouraged this fall by the removal of the University campus minimum residence requirement, and it is now possible to earn the master's degree in mathematics and engineering by work done solely at the Missile Development Center.

A program in nuclear engineering, leading to a master of science degree in the major field of undergraduate study, is in its second year of operation at the Los Alamos Graduate Center. This fall a similar program was started on the University campus, although students must use Los Alamos laboratory facilities pending the acquisition of necessary equipment here. The new program cuts across the departments of Chemical, Electrical, and Mechanical Engineering, Biology, Chemistry, and Physics.

Study of the curriculum is a never-ending process, and during the past year the instructional departments continued to direct

their efforts toward evaluation and strengthening. Except for the addition of the University College and the resultant disestablishment of the General College, there were no major changes in the instructional divisions. However, two graduate degree programs were offered for the first time this fall, and several new major fields were approved.

In the College of Arts and Sciences, in addition to participation in the experiments in educational television and teacher utilization, and the freshman honors program, there were established a new major in classics and a major in mathematics with a three-option minor in engineering. A new doctoral program was also instituted in mathematics, and similar programs were under consideration in geology and psychology.

The experiment in better utilization of teaching resources, described in some detail in last year's report, was in operation throughout the academic year, involving not only the faculty of the College of Business Administration, but its students as well, the latter serving as a common core for the experiment. The project, one of thirty-five throughout the country financed by the Fund for the Advancement of Education, had two major objectives: (1) the raising of the quality of instruction, and (2) the reduction of the instructional cost per student, with the expectation that a large portion of such savings would be returned to the faculty for higher levels of salary. Experiments covered such areas as teaching methods, the effectiveness of large versus small classes, cooperative report writing, and more general use of graduate assistants. As the result of a careful evaluation of last year's results by a Psychology Department team, the experimentation is being continued and broadened for the coming year, although without special subsidy.

Doctoral programs leading to the degrees of Ph.D. and Ed.D. were approved for the College of Education, as was a new concentration in counseling and guidance under the existing master's degree program.

In the College of Engineering the trend toward more fundamental and less applied training for its students continued to gain momentum, and in this connection there was a reevaluation of mathematics and physics courses now being offered to engineers,

with other changes in prospect. A successful start was also made in the doctor of science program in electrical engineering which was approved a year ago.

In the College of Fine Arts, Dr. Edwin E. Stein, formerly chairman of the Department of Music at the University of Kentucky, was appointed Dean of the College and Professor of Music upon the retirement of J. Donald Robb. Dean Robb had served the University in this capacity for sixteen years. There were no major curricular changes in the College.

The College of Law, and, in turn, the general Faculty, adopted a resolution making a baccalaureate degree the basic requirement for admission to the College in the fall of 1960 and thereafter. Present admission requirements call for three years of college study, with completion of three-fourths of the work toward a bachelor's degree.

In its second year, the College of Nursing increased its instructional staff, added new courses, and devoted major attention to cooperative relationships with hospitals and health agencies in which students must have their laboratory experiences in the care of patients.

The College of Pharmacy, helped by pharmacists throughout the state, engaged in intensive recruiting of students to overcome a severe shortage in the field. It also continued serious consideration of an increase in the present four-year program of pharmaceutical education to five years.

During the year the two Reserve Officer Training Corps units commissioned a total of 39 officers—25 as second lieutenants in the Air Force and 14 as Navy ensigns. This figure, which is 36 fewer than the number commissioned during the previous year and 59 less than two years ago, is a reflection of steadily dropping enrollments in both units over the past few years.

Research and Publication

An important part of a university's total responsibility is in the extension of knowledge on a broad front through the medium of

research, and during recent years University of New Mexico faculty members have carried forward a steadily expanding program. Much of the total body of this research takes the form of independent investigations by the faculty, carried on in addition to a full schedule of classroom teaching and preparation. Many pursue their studies without financial help of any kind, although a modest sum from University operating funds is set aside annually for individual grants-in-aid. Last year thirty-five such grants were made by the University Research Committee to faculty members in five of our colleges. In addition, ten members of the staff took advantage of the sabbatical leave program for the pursuit of research or creative work in their respective fields.

Last year's report indicated that developments were under way to provide both administrative direction and adequate facilities for the University's growing research program. Important steps have been taken in both areas. The former State Highway Department Testing Laboratory, built several years ago on University land, was purchased and designated the Research Center of the University. Selected as the first Director of Research, with academic rank as Professor of Metallurgical Engineering, was Harold L. Walker, a former member of the University of Illinois faculty and more recently Special Assistant for Education and Training for the Atomic Energy Commission.

In general, Mr. Walker will coordinate faculty and departmental research projects on the campus and will attempt to foster a more effective University program in research and other scholarly pursuits. He will be diligent in the discovery and acquisition of funds for research, will assist in negotiations for sponsored research projects, and will implement the University's policy on patents and inventions.

The past year has seen spectacular growth in the University's program of contract or outside-sponsored research. In 1955-56 projects totaling \$250,000 were in force; by the end of the 1956-57 academic year the total had reached \$816,000, with another quarter of a million under review.

This type of research activity during the year included thirty-four different projects, twenty-five of which received sponsorship

from agencies of the federal government (chiefly the armed forces, the Atomic Energy Commission, and the National Science Foundation), six from private philanthropic and health foundations, and three from industry and other private sources. Of the \$816,000 involved, 65 per cent came from the government, 31 per cent from the foundations, and the remaining 4 per cent from industry and private interests.

It is interesting and encouraging to note that a considerable part of this contract program calls for basic rather than applied research, thus bringing into play the fundamental, broad scholarship for which a university is uniquely fitted. It might be mentioned also that at present none of the contract program is classified in nature.

At the close of the academic year, some twenty of our departments were participating in sponsored research, several projects being interdepartmental in scope. One of them relates to the uses of water in a semi-arid region, another with a teamwork attack on problems of long-range importance for the Air Force in the various behavioral fields. The Psychology Department is also engaged in a sponsored project on the neurophysiology of behavior.

Research in such diversified areas as prestressed concrete, power transistors, radar terrain return, and microwave propagation has been carried on by the various engineering departments. The Mathematics Department has been engaged in studies for the armed forces, one of them involving an investigation of free boundary problems.

The departments of Biology and Chemistry have both been engaged in cancer research, among other projects, and the College of Pharmacy in problems of chemical synthesis. The Physics Department has been studying such subjects as cosmic radiation, zodiacal light, and atmospheric soundings, and is contributing to the worldwide research program which is a part of the International Geophysical Year. The Department of Anthropology and the Bureau of Business Research are assisting the Mescalero Apache Tribe in land-claims research and in the improvement of its governmental organization.

The recent acquisition of the MANIAC (Mathematical Analyzer, Numerical Integrator and Computer) by the University will be an invaluable aid, not only to our own research program but to those of other agencies and industries throughout the state. The electronic "brain," the first of its kind, was developed at the Los Alamos Scientific Laboratory to solve the intricate problems of developing atomic weapons. With the advent of faster computers, it became obsolete for this purpose and has now been replaced at Los Alamos by MANIAC II. During coming months the University will utilize the valuable peripheral equipment of MANIAC I to design and construct an electronic computing device of an entirely new concept.

It is expected that the University will soon receive another computer on indefinite loan from the Air Force Missile Development Center at Holloman Air Force Base. This operating computer, together with MANIAC I, will expand our research possibilities and facilitate the solution of complex problems in such fields as mathematics, business administration, the sciences, and engineering.

The University also allocates funds for the activities of a number of research and publication divisions. One of these, the Bureau of Business Research, continued its basic studies of all phases of economic activity in New Mexico, and its findings were more widely distributed than ever before. It served also, for the second year, as the research division of the New Mexico Economic Development Commission.

The Institute of Meteoritics, while continuing to press its program for the discovery and identification of meteorites, was successful in setting up a valuable exchange with the Meteorite Committee of the U.S.S.R. Academy of Sciences. Unique meteoritic materials from the two countries figured in the exchange, as did important photographs and motion picture films.

The University Press was the recipient of a \$5,400 grant from the Ford Foundation "for the publication of new works of importance to scholarship in the humanities and social sciences." The first two titles selected for subsidization under this program were *Saints in the Valleys* by Jose Espinosa and *Smollett and the*

Scottish School by Milton Goldberg. Application for a similar grant may be made for the next four years.

During the first year of an administrative reorganization which combined the operations of the Press, the Publications Series, and the New Mexico Quarterly, some fifty book-length manuscripts were discussed by the Faculty Publications Committee and seven were accepted for publication by the Press. Four new books were published during the year, and two earlier titles—*The Missions of New Mexico, 1776*, by Adams and Chavez, and Olga Wright Smith's *Gold on the Desert*—were honored by awards for graphic excellence. In addition, one scholarly monograph and two issues of the *New Mexico Quarterly* (now in its twenty-seventh year) were published.

Other elements of the University's extensive publishing program also contributed to a growing public recognition of the scholarly activities of the University: regular quarterly issues of *The Southwestern Journal of Anthropology*, now in its thirteenth year, and *The New Mexico Historical Review*, in its thirty-second year; one number of the journal *Meteoritics*, started in 1953; three studies of New Mexico government problems by the Division of Government Research; and some thirty-five items in the various publications of the Bureau of Business Research.

In recognition of individual research achievement, Dr. France V. Scholes, Research Professor of History and formerly Academic Vice President, was named the fourth annual Research Lecturer for his distinguished contributions in the field of historical research.

Faculty

Well aware that faculty salaries must be upgraded sharply if our present high quality of instruction is to be maintained, much less improved, the University in its asking budget for the 1957-59 biennium, called for funds sufficient to permit a 15 per cent increase in faculty and staff salaries for each of the two years. Joining the State Board of Educational Finance in presenting the budget to the Legislature were top officials of the state's three major de-

fense installations—Sandia Base, Los Alamos Scientific Laboratory, and the White Sands Proving Ground—all of whom cited the need for increased educational funds to relieve state shortages of trained personnel.

It is a matter of considerable gravity that the Legislature, because of insufficient funds at its disposal, was unable to meet these requests, valid as they were. Faculty salary increases for 1957-58 were accordingly limited to about 5 per cent, and in order to achieve even this modest increase it was necessary to pare operating and equipment budgets to a point below real economy. The basic problem continues, therefore, despite our most diligent efforts. It is an unfortunate fact that college faculty members, as a group, are among the lowest paid of all professions, and that at the time they are most critically needed many are being forced into other work where they may earn salaries more commensurate with their abilities and training.

While not losing sight of the major objective of effecting worthwhile salary increases, the University continued to explore methods of enabling members of the faculty to supplement their income in other ways. Participation in sponsored research contracts and bonus arrangements for teaching at Los Alamos and Holloman Air Base were among methods which proved of some help.

During the past year the new Educational Retirement Act was approved by the 23rd State Legislature. The plan, in which University faculty and administrative employees will participate, calls for contributions from employee and employer, has benefits based on salary and years of service, and is independent of Social Security. The Act represents a great advance over its financially unstable predecessor, and the University is indebted to Professor Robert M. Duncan for his tireless work in the two-year study leading to its adoption. Professor Duncan's membership on the Retirement Committee of the New Mexico Education Association was directly responsible for a number of the provisions in the Act which are favorable to the state's institutions of higher education.

Two committees also gave thought to the general problem of faculty welfare. As the result of a Policy Committee recommenda-

tion designed to free more time for scholarly research, the Faculty voted to reduce considerably the number of standing committees and to curtail the size of several others. The Committee on University Aims and Objectives also presented for consideration a broad program with the following three objectives: (1) opportunity for more research and creative work; (2) a climate of scholarship, original inquiry and experimentation; (3) a faculty capable not only of enthusiastic and effective teaching but also of intellectual pursuits beyond the classroom. The Faculty approved the general principles of the program, and implementation by the Administration is already under way.

Based on the necessity for maintaining high quality and achieving proper balance of ranks in an expanding faculty, the Policy Committee devoted a year's study to a revised statement of criteria for the appointment and promotion of faculty members. The new statement was approved by the general Faculty and forthwith became a portion of the by-laws of the Constitution.

In spite of the demands of teaching, committee work, counseling, and numerous other commitments, faculty output of scholarly writing and other creative activity continued at a high level of productivity. During the year there were a total of 31 books and monographs, 168 articles, 24 book reviews, 1 musical composition, 4 recitals, 15 staff exhibits, and faculty participation in 31 concerts.

Students

Enrollment for the fall of 1957 reached 6,648, an all-time high and an increase of $13\frac{1}{2}$ per cent over the total a year ago. It should be noted that while non-residents accounted for only 14 per cent of the total enrollment, their numbers increased 28 per cent in the past year compared with the over-all gain of $13\frac{1}{2}$ per cent. An increase in the proportion of out-of-state applications must certainly be expected for a number of years to come as heavy enrollment pressures force the private colleges and universities to adopt increasingly selective policies of admission.

Included in the fall enrollment were students from every New Mexico county and from every state but one, with the largest num-

ber of non-residents coming from California, Texas, Illinois, Colorado, New York, Ohio, and Oregon, in that order. Sixty-five students were in attendance from thirty foreign countries and U. S. territories.

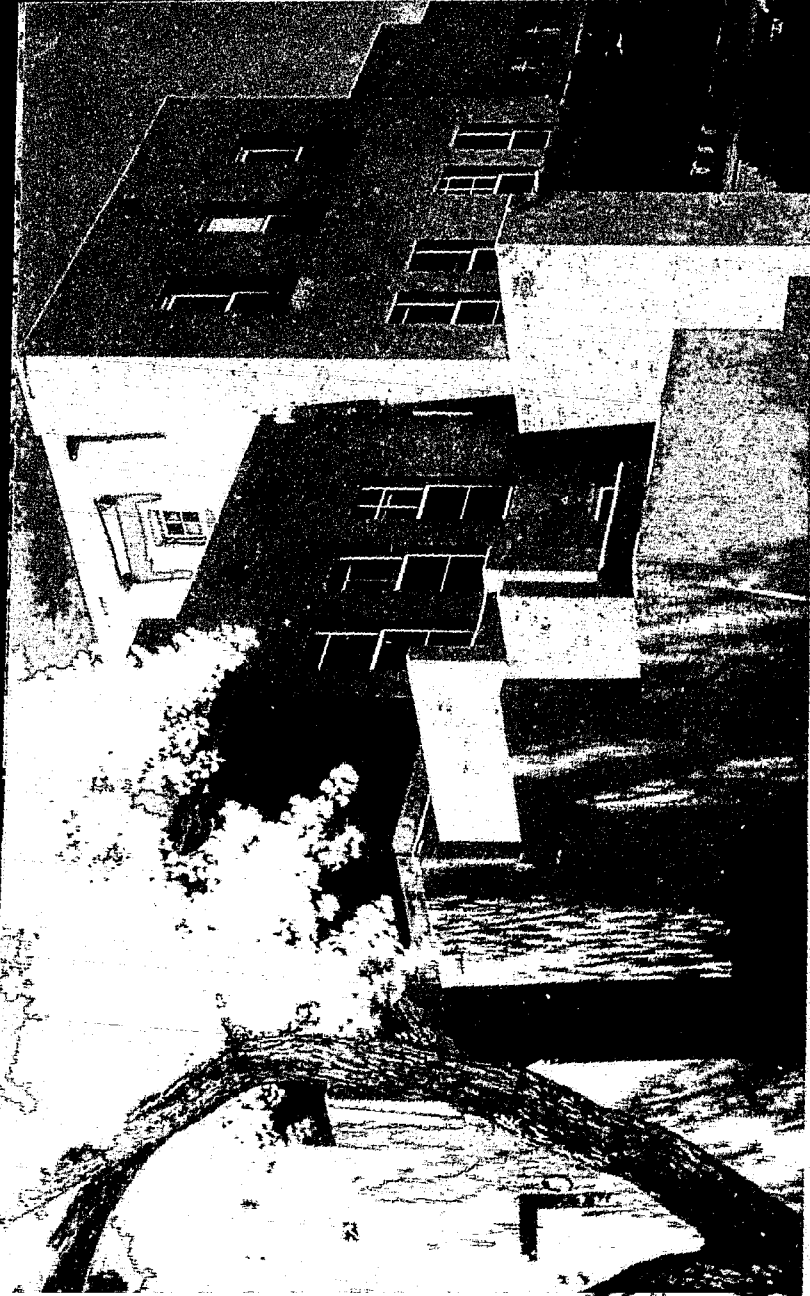
Considering the critical shortage of qualified teachers to meet heavy student enrollments, it is encouraging to note a 23 per cent increase in the Graduate School enrollment. There are now 1,207 advanced degree candidates registered in resident programs at the Air Force Missile Development Center, the Los Alamos Scientific Laboratory, and on the campus.

The Sandia Corporation provided a considerable stimulus to graduate and undergraduate enrollment by sponsoring an educational program for its employees. Under terms of the arrangement, the Corporation subsidized the University to the full extent of each tuition fee paid by its employees for resident work on campus, and, in addition, reimbursed the student for 50 per cent of the tuition upon successful completion of the course. Although the program was designed for off-duty hours, the Corporation allowed time off if a necessary course was not given in the evening.

Degrees conferred in June totaled 638, including 114 masters and a record number of 16 doctors in five different fields.

Among foreign students attending the University last year were ten Hungarian refugees, sponsored by the Institute of International Education, World University Service, and the University of New Mexico who completed satisfactorily an intensive English language and orientation course under the directorship of Professor Jane Kluckhohn of the English Department. The Student Council appropriated \$1,000 for the program, and three of the fraternities provided rooms for the visitors. Throughout the twelve-week program, students and members of the community were generous in donations of cash, services, and hospitality.

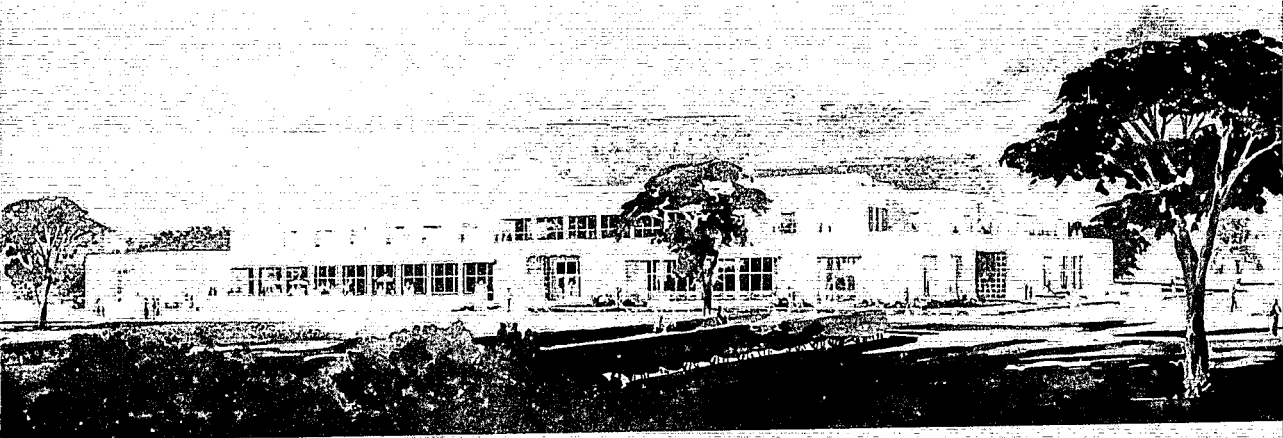
With construction of the new Student Union building scheduled for early 1958, the charter of the Union Board has been revised and the organization renamed the New Mexico Union. A director, soon to be employed, will report to the Director of Student Affairs and will be fully responsible for management of the



THE OLDEST - Hodgin Hall. Once the Only Building, Now Housing Several Departments of the College of Education.



The Main Campus of the University, Boundaries Indicated in White



THE NEWEST—Construction of the New Mexico Union Will Begin in 1958



THE OLDEST—Hodgin Hall, Once the Only Building, Now Housing Several Departments of the College of Education.

new organization. Under his leadership the extracurricular life of the campus will be centered in the union.

Last year the Student Council established a public relations committee designed to acquaint state high school seniors with the University's activities and programs and to interest them in attending the University. The Council also appropriated funds to set up a polio clinic on campus, each student receiving two inoculations for a dollar, with profits going to the March of Dimes. The Student Health Service worked with the Council in administering this program.

A profitable venture in student-faculty relations, the Student Leadership Conference, was held last winter at Bishop's Lodge, Santa Fe. The program consisted of panels and discussion groups, composed of both students and faculty members, on numerous phases of student and campus life.

During the year scholarship and fellowship awards and student grants-in-aid totaled \$151,153, while loans—mostly for short terms—amounted to \$19,796. Several new scholarships were established, including four in music, funds for which were raised by members of the departmental staff through concerts, benefit performances, and personal contributions. We are still far, however, from our goal of furnishing scholarship assistance to every promising applicant who lacks the necessary resources to go to college.

There was a busy year in the area of student placement. During 1956-57, representatives of 173 organizations conducted 2,467 campus interviews with seniors, an average of approximately eight per applicant, resulting in an average of five offers of employment. In student employment, 1,357 part-time positions were filled by the Student Placement Bureau, with earnings exceeding \$200,000.

Alumni

An ever-growing alumni body was kept informed of important campus matters through the *Alumnus*, and there was evidence of increasing interest in University affairs. Records of the Alumni

Office indicate that the 31st annual Homecoming surpassed all others in the variety and interest of the program, the number of alumni reunions and special meetings, and in the general cooperation of all concerned. Approximately 10,000 people toured the campus to view the house decorations and luminarias, and the weekend program comprised some twenty separate events including a parade, several receptions and open houses, and a number of reunions sponsored by alumni classes, special groups, and various University colleges. Alumni registered from thirteen different states.

An Alumni Committee to Build the Chapel was organized during the year in an effort to complete an extended fund drive for construction of the memorial building. With \$64,000 already in hand, and with the committee having high hopes of raising the necessary balance at an early date, the Regents have officially accepted the chapel from the alumni.

Progress was made in the field of alumni relations, and new clubs were organized in Farmington, Hobbs, and Roswell, with the latter planning to incorporate Artesia, Dexter, and Hagerman into a Southeastern New Mexico Club. These alumni groups, together with others proposed and already formed throughout the state, are helping materially to influence students to remain in New Mexico for their college education. Further, regional organizations such as this will be invaluable in future planning for a program which will encourage all alumni to contribute to the needs of their University on an annual basis.

Regents

Dr. Dorothy Woodward, Professor Emeritus of History, was appointed a member of the Regents in March, 1957, for a term of six years, replacing Mrs. Oscar B. Huffman. Mrs. Huffman had been a member and officer of the Board since 1951, serving the University devotedly and with great interest.

Except for the replacement of Mrs. Huffman by Dr. Woodward, membership on the board was unchanged during the year. Regent members and elected officers were as follows: Mr. Jack Korber,

President, Dr. Woodward, Vice President, Mr. Finlay MacGillivray, Secretary-Treasurer, Mr. Wesley Quinn of Clovis, and Dr. Ralph R. Lopez of Santa Fe. Mr. MacGillivray is serving as regional director of the Association of Governing Boards of State Universities and Allied Institutions.

Continuing their recently established policy of visiting off-campus centers of University concern, the Regents in September, 1956, made an inspection tour of the Los Alamos Scientific Laboratory where the University's Graduate Center had been established several months before.

Service to the New Mexico Community

The University's account of its year's work would be incomplete and misleading if it were expressed simply in terms of the traditional on-campus educational activities. As a state-supported institution, its primary obligation is to provide sound programs of instruction, guidance, and student life so that its graduates may provide for the state a continuing store of well-educated men and women, many of them trained in areas of critical manpower shortages. Beyond this, however, there is an equal responsibility for relating the total program of the University and the skills of its individual members to the cultural, professional, and social needs of the people of New Mexico.

Some of the activities undertaken in the discharge of this responsibility are common knowledge, but others of an "extracurricular" nature are little known beyond the confines of the campus, and for this reason it was thought that the listing of a few typical examples would be of interest. These examples are a random selection but in the aggregate should indicate a serious effort to make available to the citizens of New Mexico the full resources of the University.

Through an extensive program of public lectures, recitals, concerts, exhibits, dramatic productions, and television and radio programs, the University serves the community and the state as a cultural center. Three museums and two art galleries have visitors numbering into the thousands each year.

The extensive facilities of the University libraries are of benefit to many people. Unusual features include an Army map service depository, depositories for Library of Congress catalog cards and for Atomic Energy Commission and other federal government documents, and special collections of New Mexicana and the Southwest.

The University's Harwood Foundation serves cultural needs of the community of Taos through its library and a number of art exhibits, recitals, and lectures.

Members of the faculty, because of their specialized knowledge, are frequently called upon by individuals, organizations, and agencies for advice and consultation which is not otherwise available in the area. All departments participate in services of this sort, a number of them given without charge. Also, many research projects undertaken by University departments or individual faculty members have a direct bearing on the welfare of the state.

Faculty and staff members are in constant demand as lecturers, judges, panel participants and moderators. They are also active in many areas of public service.

The Division of Extension, Summer Session, and Community Services operates a diversified program of adult education. During the past year, 51 extension courses were offered in seven New Mexico cities; some 500 persons from nearly every New Mexico county and from 27 other states and four foreign countries enrolled in 78 correspondence courses; there were 2,500 enrollees in a great variety of non-credit evening courses given on the campus; and the summer session was attended by just under 2,000 students. Planning and direction were given to more than 200 conferences, institutes, short courses, community development programs, and special meetings, held in University facilities and involving 22,000 people. Twenty-seven "live" telecasts were presented by the University over existing channels, and ten radio stations in the state were serviced with recorded tapes of University news.

The University makes its rooms available without charge for many community, state, and regional meetings. Until completion

of the new Civic Auditorium, facilities were made available to the Albuquerque Civic Symphony, the Community Concerts, and similar community projects.

University band, orchestral, and choral groups give frequent performances at state high schools. Members of the Music Department staff have worked with school officials to provide planning and leadership for the Albuquerque Youth Symphony and have conducted clinics and workshops for teachers of music in schools throughout the state. The All-State Band, Orchestra, and Chorus Clinic is held each year on the University campus.

The Department of Dramatic Art issues complimentary tickets for its productions to St. Anthony's Orphanage and the Barelás Community Center. It also makes its properties, costumes, and sound equipment available to educational institutions of the state.

The Department of Art Education conducts children's art classes every Saturday morning which are open to the entire community at nominal charge.

The Department of Physical Education holds an annual conference for handicapped children, offers advice on state health policies, and makes the University's tennis courts and extensive play areas available for community use. The Sociology Department is currently preparing a survey of recreational facilities for Albuquerque youth.

The Speech Department's out-patient speech and hearing clinic renders valuable professional service as a rehabilitation center in these fields. Nominal charges cover only a portion of the cost of these services. Each spring the Department also sponsors a State High School Speech Festival which provides speech training for some 200 participants.

Space is provided on the University campus for the Albuquerque Child Guidance Clinic. Graduate students and faculty of the Sociology and Speech Departments serve the clinic as volunteer staff members.

Seniors in the College of Law serve without remuneration in the office of the Legal Aid Society of Albuquerque, and the dean and his secretary are directors of the Society.

The Engineering Experiment Station studies engineering problems that will aid in the development, use, and conservation of the natural resources of New Mexico. It also cooperates with industry and governmental agencies in the state in the study of projects that will improve the engineering work of these organizations.

The Bureau of Business Research of the College of Business Administration was created to promote the economic welfare of the state through investigation and study of economic and business problems and the dissemination of information through a series of publications.

The Division of Research of the Government Department publishes a series of studies of federal, state, and local problems of government.

Also in the area of publications, the University sponsors a Press, three quarterlies, and a scholarly monograph series. All of this useful information is available to the public, much of it at nominal cost.

The Anthropology Field Session offers an unusual opportunity for "grass-roots" research, and helps greatly to increase the field of knowledge concerning the Southwest.

The College of Education, aware of its obligation to help school teachers and administrators in the state with their problems, last year held a series of public seminars for this purpose and embarked upon a program of school studies and field services.

The University Counseling and Testing Services provide testing for New Mexico high schools, the State Vocational Rehabilitation Service, and public welfare agencies.

This fall the University invited a representative group of New Mexico educators to a day-long conference for the purpose of dis-

curring the present status of instruction in science, engineering, and mathematics. Preliminary steps were taken toward general strengthening in these areas.

During the past two summers, with the co-sponsorship of the National Science Foundation and the Atomic Energy Commission, the University has conducted institutes for state high school teachers, with the broad objective of improving science teaching in the state. The Chemistry Department, too, has been engaged in a long-range program, in cooperation with the public schools, to strengthen science teaching and, by interesting young people in the sciences, to increase the nation's supply of scientific personnel.

The Departments of Chemistry and Chemical Engineering hold "Open House" each year to show latest developments in their areas and to interest potential students in entering these fields.

On a somewhat broader front, the University served as host during the past year to upwards of 150 persons who were visiting the country under the auspices of the Foreign Leader and Specialist Program of the State Department. Programs and hospitality were arranged under University direction and with volunteer help from the community.

Physical Facilities

As last year's report pointed out, the last decade has been a period of unprecedented physical expansion, with new construction during that time accounting for some two-thirds of our present floor space. The past year saw the completion of one of the largest and most carefully planned structures on the campus—Johnson Gymnasium, named in honor of Roy W. Johnson, University coach and departmental chairman since 1920. It was occupied early this fall by the Department of Men's Physical Education. It should be mentioned here that financing of this structure was made possible with the University's share of a state bond issue and a special Legislative appropriation for capital outlay.

Two new buildings—a student union and a men's dormitory—are in the final stages of planning, and it is hoped that construction

of both can begin before the end of the 1957-58 academic year. The union, which will provide adequate facilities for 10,000 students, will be located just east of Zimmerman Field and will include food service, a bookstore, a games area, ballrooms, meeting rooms, guest rooms, a faculty club, and offices for student government and organizations as well as for the Alumni Association. The dormitory will house 435 men and will occupy a site near the corner of Girard and Campus Boulevards. Both buildings will be financed largely by loans from the Community Facilities Administration.

Arrangements to purchase the Highway Testing Laboratory and the Kappa Alpha Theta sorority house were completed during the year, the former now housing the University Research Center and the latter the Department of Speech and the University television-radio program. The Speech Department move released a temporary building for architectural drawing classes.

In terms of the physical plant, the year was notable in the number of departmental relocations. The vacating of three women's dormitories and a dining hall, whose functions were absorbed by the new Hokona Hall, released space which was remodeled for the use of fifteen different departments. Bandelier Hall now houses the dean of the College of Arts and Sciences, the largest department in the College—English—and Philosophy, while in the dining hall, adjacent to Bandelier, is the Department of Modern and Classical Languages. North Hall and Marron now accommodate most of the social sciences—Economics, Geography, Government, History, Inter-American Affairs, and Sociology—as well as Mathematics, Nursing, the University Press, and offices of the Charles Lathrop Pack Forestry Foundation and the Rocky Mountain Forest and Range Experiment Station.

Space made available by the above moves has resulted in improved facilities for Education, Business Administration, Industrial Arts, Music, the Library, and the Office of Admissions and Records.

Occupancy of the new Johnson Gymnasium has released Carlisle Gymnasium for the exclusive use of the Women's Physical Education Department and a part of the Stadium Building for offices of the new University College.

Improved quarters in temporary buildings have also been made available for the Placement Bureau, the Associated Students Bookstore, and two student service organizations.

There have been several important transactions regarding outside occupancy of University land. A thirty-year lease has been signed with the Albuquerque Chamber of Commerce and the Albuquerque Junior Chamber of Commerce for the construction of a tourist-information building at Central Avenue and Vassar Drive. The building will be maintained by the staffs of these two organizations, and visitors will be invited to tour the University campus.

The Regents took two further steps regarding the leasing of land which should prove of value to the University in its various health programs, both present and proposed. Two parcels of the land set aside in long-range plans for a medical school area have been made available, by lease, to the Bernalillo County Commission for a district health center and to the New Mexico Society for Crippled Children and Adults for a rehabilitation center. Ground-breaking ceremonies for the latter building were conducted during the summer, and construction is now nearly completed.

The Regents also approved the granting of a lease-option to Winrock Enterprises on 160 acres of University land for the construction of a major shopping center. Under terms of the lease, the University, as landlord, will receive rentals or a substantial share in the net profits, whichever is larger.

Condemned as unsafe, the University's earliest dormitories, built more than fifty years ago, have been razed. These two—Kwataka Hall, more recently known as the Inter-American Affairs Building, and Center Hall—were the first campus buildings to use the modified Pueblo style of architecture which has since been adopted officially for all campus structures.

The Physical Plant Department conducted a year-long experiment with several species of grass in an effort to determine the one best suited for campus use under semi-arid conditions. The tests showed rather conclusively that the native buffalo grass provided the most satisfactory cover with the least care, and accordingly this

type will be used in most future plantings. The campus presently has forty acres of lawn, exclusive of its golf course, requiring some half-million gallons of water daily during the growing season.

Financial Operations

Once again, with enrollment continuing to increase at a rate of between 10 and 20 per cent each year, the University administered the largest budgets in its history. Current funds expenditures for 1956-57 were \$5,585,516, of which approximately \$4,000,000 was for Educational and General, and Organized Activities Related to Instruction. The following table represents a dollar analysis of actual income and expenditures related to this major portion of the budget, with a comparison shown for the past two years:

<i>Sources</i>	<i>1956-57</i>	<i>1955-56</i>
Student fees	\$.22	\$.19
State appropriation .....	.70	.71
*Land and permanent fund .....	..	.04
Organized activities .....	.05	.05
Sales, services, and miscellaneous .....	.03	.01
	<hr/>	<hr/>
	\$1.00	\$1.00

Disposition

Administration and general	\$.13	\$.13
Instruction .....	.55	.56
Organized research .....	.01	.01
Extension .....	.02	.02
Libraries .....	.05	.05
Organized activities related to instruction ...	.10	.08
Plant operation and maintenance .....	.14	.15
	<hr/>	<hr/>
	\$1.00	\$1.00

* In 1956-57 it was necessary to allot land and permanent fund income to the category of "Non-Educational Income"; it therefore does not appear among the sources of the educational operating dollar.

The above table emphasizes the reliance upon state appropriations as a major source of revenue. The necessity for this becomes apparent when it is realized that a student's tuition and fees account for only one fourth of the cost of instructing him. The cer-

tainty of continuing sharp increases in student enrollment for the foreseeable future will necessarily, therefore, place increasing demands upon the state in the years ahead.

It is perhaps of interest to point out that with an increasing enrollment resulting in a 12½ per cent increase in student credit hours, there was a slight drop in the cost per student credit hour—from \$26.57 to \$25.61. This drop will be only temporary, however, as new faculty members are added and as long-deferred expenses for plant maintenance and departmental equipment are incurred.

The University established a Fund Development Office several years ago with the purpose of enlisting private financial support to supplement other means of income. In its efforts to instill the habit of giving to the University, the office has found that one of its chief problems has been to dispel the illusion that legislative appropriations, together with student fees, amply cover all of our necessary expenses. The office is still in the early stages of its own development and thus far has directed most of its attention toward increasing scholarship funds, with encouraging response. During the past year the employment of a field representative, Ike Singer, Jr., increased the possibilities for statewide coverage in this important area of fund raising.

One of the largest individual bequests ever made to the University was announced this fall. Mrs. Harriette B. Rolshoven declared her intention of adding to \$15,000 which she gave to the University two years ago the sum of \$85,000, together with twenty-one paintings of her late husband, Julius Rolshoven. The funds are to be used for the erection of a building or buildings part of the purpose of which shall be to house the collection and to provide "for the perpetual display, preservation, and maintenance of such paintings." The balance of the space may be devoted to other educational purposes.

Necrology

Since last year's report, the University has lost by death two active members of its teaching staff.

Mervyn Crobaugh, Associate Professor of Economics, died on January 18, 1957, in his fifty-ninth year. He received his bachelor's, master's, and doctoral degrees from Stanford University and joined our faculty in 1947 after previous teaching experience at Washington State College, Indiana University, and Washington and Lee University. He had also been research supervisor for the National Labor Relations Board, a personnel officer for the U. S. Army Engineers, and a price economist in the Office of Price Administration. At the University of New Mexico he was a conscientious and effective teacher in economic theory, the history of economic thought, and comparative economic systems. The latter was his area of special research interest and he was the author of two books in this field.

George Walter White, Professor of Education and Director of the Division of Physical Education and Health, died on July 29, 1957, in his sixtieth year. A graduate of this University and a former all-round athlete, he returned in 1937 after fifteen years as teacher, principal, and superintendent of schools in Carlsbad and Hobbs. During twenty years he served the University faithfully in many capacities in addition to his teaching and the headship of his division. Among his additional duties through the years were those of assistant dean of the College of Education, acting comptroller, and head coach of basketball, track, and tennis. He was an active force in community and state athletic programs and for two years was president of the New Mexico State Board of Athletic Control. A veteran of World War I, he also served for a year during World War II as civilian administrative consultant in physical education for the Army in the European Theater of Operations.

Changes in the Administration

The following administrative appointments have been noted previously in this report: William H. Huber, Director of the University College; Edwin E. Stein, to succeed J. Donald Robb as Dean of the College of Fine Arts; Harold LeRoy Walker, Director of Research; Ike Singer, Jr., Assistant Director of Development.

Gerald W. Hubbart, Jr. was appointed as Assistant Dean of Men, replacing Eugene B. McCluney who resigned to accept a similar appointment at Texas Christian University.

Willene Paxton was appointed as Assistant Dean of Women, replacing Marilyn M. Harton who resigned to enter industrial personnel work.

Paul V. Petty, Professor of Education, replaced Frank Angel, Jr., Assistant Professor of Education, as Director of the Teacher Placement Bureau.

George McFadden was appointed Director of Sports Publicity, replacing Robert C. Wood.

Departmental Chairmen

New chairmen were appointed in three departments and acting chairmen were named in four others, all appointments to be effective with the academic year, 1957-58.

In Biology, Howard J. Dittmer succeeds William J. Koster as acting chairman.

In English, Hoyt Trowbridge was named chairman of the department, with the rank of professor. During the past year William P. Albrecht and Norton B. Crowell have served as acting chairmen, each for one semester.

In History, Edwin Lieuwen was appointed to the chairmanship, with the rank of associate professor. William M. Dabney has served as acting chairman for the past two years.

In Music, Nina Ancona was named acting chairman. Hugh M. Miller, chairman since 1948-49, resigned that position but will continue as Professor of Music.

In Physical Education for Men, Armond H. Seidler was appointed chairman, with the rank of associate professor. Roy W. Johnson, chairman of the department since its inception, resigned that position but will continue on the faculty until his retirement at the end of the 1957-58 year.

In Physics, John G. Breiland was named acting chairman. Victor H. Regener, chairman since 1946, resigned the chairmanship but will remain on the faculty as Research Professor of Physics.

The University is indebted to Professors Albrecht, Crowell,

Dabney, Johnson, Koster, Miller, and Regener for their loyal service on behalf of their departments.

Also, in Secondary Education, Wilson H. Ivins will serve as acting chairman for the year.

Captain Delbert F. Williamson, commanding officer of the Naval R.O.T.C. unit since 1954, was retired from active duty. Captain Paul L. deVos, formerly in command of Destroyer Squadron 16, Atlantic Fleet, Mediterranean Area, has been assigned to succeed him and was appointed Professor of Naval Science and Chairman of the Department.

Changes in the Professorial Ranks

RETIREMENTS

Three members of the Faculty retired at the end of the academic year: Roy Earl Blankley, Instructor in Mechanical Engineering, after ten years of service; Ethel Arnold Fleming, Assistant Professor of English, after eleven years of service; and John Donald Robb, Professor of Music and Dean of the College of Fine Arts, after sixteen years of service.

APPOINTMENTS

The appointments of Dean Stein, Dr. Trowbridge, and Mr. Walker to professorships in Music, English, and Metallurgical Engineering, respectively, have already been noted. There were no additional new appointments in this rank, effective with the 1957-58 academic year.

The appointments of Drs. Lieuwen and Seidler to associate professorships in History and Physical Education, respectively, have already been noted. Other appointments for 1957-58 were as follows: Philip E. Bocquet, Chemical Engineering; Richard H. Clough, Civil Engineering; Arnold H. Koschmann, Electrical Engineering; Gordon Petersen, Mathematics; Miles Zintz, Education.

The following appointments to assistant professorships were made: Trude Rose Aufhauser, Nursing; Glenn A. Crosby, Chem-

istry; Henry C. Ellis, Psychology; Wolfgang E. Elston, Geology; Hugh F. Graham, Modern and Classical Languages; Faith Elizabeth Jensen, Nursing; Jörg W. P. Mayer-Kalkschmidt, Mathematics; Edward G. Nolan, Psychology; Eugene W. Rypka, Biology; Tom T. Sasaki, Sociology; Donald Skabelund, Physics; Melvin E. Timmerman, Education; John H. Williams, Physical Education, Varsity Swimming Coach; Albert E. Wolff, Business Administration, Statistician in the Bureau of Business Research.

PROMOTIONS

The following were promoted to professorships, effective July 1, 1957: Marvin C. May, Civil Engineering; Richard K. Moore, Electrical Engineering; Ralph D. Norman, Psychology; Sherman A. Wengerd, Geology.

The following were promoted to associate professorships: David T. Benedetti, Psychology; J. Paul Fitzsimmons, Geology; Jose E. Martinez, Civil Engineering; William E. Rhoads, Music; Jack R. Stephenson, Music Education; Alfred C. Welch, Business Administration.

Raymond C. Jackson, Biology, was promoted to an assistant professorship.

Respectfully submitted.

TOM L. POPEJOY
President

December 15, 1957

THE REPORT OF THE COLLEGE OF ARTS AND SCIENCES
THE GENERAL COLLEGE
July 1, 1956 - June 30, 1957
Dudley Wynn, Dean

The report of the College of Arts and Sciences one year ago began with the following words: "Enrollments for several years have been running quite close to national and local predictions. Between the present time and 1960, there will in all likelihood come a sudden sharp increase; but for perhaps another two or three years there is to be expected a slow, steady increase of from 8 to 14 percent each year over the preceding year." There is no reason to change what was said then. Enrollment predictions have been quite accurate. It is likely that we may expect for two or three years the steady increase of about 15 per cent each year that is mentioned above.

Increase in number of staff with presumption of permanence can probably be expected to slow up, since Upper Division classes can absorb more students without harm to quality of instruction and since a better balance is being established between Lower Division and Upper Division enrollments. An increasingly large percentage of instruction in the Lower Division will be supplied by junior and non-permanent teaching staff under the supervision of senior staff members. A considerable amount of experimentation in this direction is already taking place, in preparation for the so-called tidal wave.

In 1956-57, with a grant from the Fund for the Advancement of Education and under the direction of Professor William J. Parish of the College of Business Administration, some departments of the College carried on experiments in the use of undergraduate and graduate student help in the instructional program. Use was made of teaching aids and devices of various sorts. The experiments were felt to be successful enough to justify their continuance without further outside aid during 1957-58. The departments of Economics, English, Government, and Mathematics have been and will continue to be involved.

The University contract research policy appears to be functioning well. This policy, and also the arrangement with Los Alamos Scientific Laboratory whereby University faculty members receive a bonus for teaching at Los Alamos within the normal load limit, have given faculty members in some areas a much-needed boost in income.

Problems of space, insofar as departments of this College are concerned, are about to disappear. During the year under discussion the following departments moved into the new quarters indicated: English and Philosophy, Bandelier Hall; Economics, Government, History, and Sociology, Hokona Hall North; Inter-American Affairs and Mathematics, Hokona Hall South. The Department of Modern and Classical Languages will soon occupy the former dining hall, to be known as Ortega Hall; the Department of Speech will occupy the former Kappa

Alpha Theta House, which was purchased recently by the University. Teaching laboratory space in Physics and generally larger quarters for Anthropology remain as the only urgent or pressing space needs in the College. If some urgent equipment needs can be met and if faculty salaries can be brought into line with the ever-increasing standard of living enjoyed in practically all other trades and professions, this college can begin to give much-needed attention to improved curricula, more effective teaching, and a generally better student product.

Improvement of the quality of work at the sophomore, junior, and senior levels in the College of Arts and Sciences is almost certain to be a result of the instituting of the University College, which will go into operation in the fall of 1957. Faculty members perhaps should be reminded, however, that these results will not be immediate or dramatic but will come only as the University College finds its proper aims and purposes and begins to serve as a screening device.

Budget and Enrollment

The budget of the College of Arts and Sciences for the academic year covered in this report was \$933,963. The amount for the preceding year (1955-56) was \$837,991. The amount for the coming fiscal year is \$1,061,293. These amounts covered costs of administration, instruction, equipment, supplies and expense, and travel.

Enrollment in the College of Arts and Sciences and the General College for the past two years, semester by semester, was as follows:

	<u>Arts and Sciences</u>	<u>General</u>
Semester I, 1955-56	1,018	480
Semester II, 1955-56	979	457
Semester I, 1956-57	1,099	598
Semester II, 1956-57	1,070	534

It cannot be too often emphasized that, whereas the number of students specifically enrolled in the College of Arts and Sciences is only one-fifth to one-fourth of the total registration in the University, the College actually carries approximately three-fifths of the teaching load of the University. The reason for this is that all students registered in the professional colleges of the University take a considerable amount of their work in classes handled by members of the staff of the College of Arts and Sciences. Engineering students, to use only one example, must take courses in English, social science, mathematics, and natural and physical sciences in the College of Arts and Sciences. The table on a succeeding page gives a summary of student enrollment and the number of student credit hours taken in each department and division of the College for the past four semesters, that is, from Semester I, 1955-56, through Semester II, 1956-57. Figures for the previous year (1955-56) are given so that comparisons can be made.

A table of student-credit-hour costs by departments and colleges is issued annually in the report of the Comptroller

of the University. These figures are of course significant and are of great interest to departmental chairmen, deans, and other administrators. More indicative of the actual student-faculty ratio and of faculty loads generally is the table entitled "Average Student-Credit-Hour Load of Faculty," which appears subsequently in this report. Although this study does not apply outside the College of Arts and Sciences, it gives valuable comparative data upon departments of the College.

Probation and Suspension

The purpose and functioning of probation and suspension rules are generally not very well understood by the public. The purpose of probation is to give clear and definite warning to students who are not carrying on their work at a level that will provide for their ultimate graduation. The purpose of suspension is not arbitrarily to rule out any person from the advantages of a college education. Its sole purpose is to warn the student that he is not making satisfactory progress and that he had better take time away from college to re-evaluate his aims and purposes. A college or university which does not have a firm suspension rule can hardly be said to have any academic standards. On the other hand, the quality of the work and the effectiveness of an institution certainly cannot be judged solely on the basis of a large number of suspensions. The Dean of the College of Arts and Sciences and General College and the members of the Scholarship Committee

serving the two colleges all believe that the probation-suspension record of these two colleges is a credit to the University.

In the report of a year ago, there appeared to be some heartening trends in the data on probation and suspension (see "Comparative Suspension and Probation Figures" on a succeeding page of this report). Upon adding the figures for 1956-57, one is doubtful that trends of this sort have any meaning whatever. The percentage of students going on probation continued to drop in both the College of Arts and Sciences and the General College. On the other hand, the percentage of suspensions from both colleges reversed the downward trend and rose from 3.8 per cent to 6.1 per cent in the College of Arts and Sciences and from 11.9 per cent to 12.2 per cent in the General College. There was no significant change in percentage of students released from probation.

PROBATION AND SUSPENSION
(Percentages of Total College Enrollment)

	<u>1952-53</u>	<u>1953-54</u>	<u>1954-55</u>	<u>1955-56</u>	<u>1956-57</u>
<u>College of Arts and Sciences</u>					
Probation	9.8	9.2	13.3	12.5	10.4
Suspension	2.6	3.5	4.2	3.8	6.1
Released from Probation	1.8	1.8	3.6	3.1	2.8
<u>General College</u>					
Probation	18.6	22.1	26.9	23.6	19.8
Suspension	11.7	10.7	12.8	11.9	12.2
Released from Probation	6.8	7.5	7.7	8.3	8.7

A possible interpretation of the simplified table just

above is that there is improvement in the quality of students being admitted to the two colleges, since the percentage of students going on probation has been going down. A student's going on probation is solely a matter of his grades; no administrative interpretation interposes. On the other hand, the reversal of trend in the percentage increase in suspensions could be interpreted in two ways: (1) older students are not doing as good work as recently admitted ones; (2) the dean's office (with the excellent help of the Scholarship Committee) is applying suspension rules more strictly.

All such interpretations of these data, of course, assume that the faculty's standard in grading remains fairly constant. There is at present no way to determine whether or not this is true. Nevertheless, one pertinent observation is suggested, namely, that in all our talk about standards we must constantly remember that the standards of any institution depend not upon rules in the registrar's or dean's offices, but almost solely upon performance demanded by individual faculty members.

COLLEGE OF ARTS AND SCIENCES

STUDENT CREDIT HOURS AND ENROLLMENTS BY DEPARTMENTS
(Semesters I-II, 1956-57, and Semesters I-II, 1955-56)

DEPARTMENT	STUDENT CREDIT HOURS				STUDENT ENROLLMENT			
	1956-1957		1955-1956		1956-1957		1955-1956	
	Sem. II	Sem. I	Sem. II	Sem. I	Sem. II	Sem. I	Sem. II	Sem. I
English	7,072	7,993	6,302	7,303	2,363	2,665	2,112	2,446
Mathematics	6,719*	7,338*	5,355	5,934	2,134	2,351	1,719	1,965
Mod. Lang.	3,379	3,704	3,323	3,584	1,164	1,319	1,141	1,217
Biology	3,254	3,072	2,960	2,800	902	820	809	715
History	3,238	3,234	2,694	2,994	1,088	1,103	896	1,005
Chemistry	3,216*	3,529*	2,766	3,060	944	1,062	804	894
Psychology	2,718	2,432	2,389	2,549	891	802	791	836
Geology	2,170	2,414	2,087	2,173	816	902	806	830
Anthropology	1,683	1,750	1,200	1,253	574	591	413	424
Government	1,611	1,704	1,446	1,754	537	564	480	585
Physics	1,608*	1,698*	1,218	1,419	499	563	369	471
Philosophy	1,125	942	671	641	375	316	224	216
Economics	1,065	1,605	1,368	1,404	353	535	454	468
Sociology	1,005	1,360	1,156	957	336	484	393	342
Speech	918	1,159	680	959	326	409	240	332
Geography	295	336	361	282	99	112	121	94
Journalism	252	318	145	253	84	106	53	114
TOTALS	41,328	44,588	36,121	39,319	13,485	14,704	11,825	12,954

*Includes courses numbered 100 or higher taught by UNM faculty at Los Alamos and Holloman.

COLLEGE OF ARTS AND SCIENCES

AVERAGE STUDENT-CREDIT-HOUR LOAD OF FACULTY
(Counting Graduate Assistants as 1/2 Staff Member)
1956-1957

Department	Semester I				Semester II			
	Student Credit Hours	Number of Staff	Average per Member	Rank Among 17	Student Credit Hours	Number of Staff	Average per Member	Rank Among 17
Anthropology	1,750	6.5	269	13	1,683	6.5	259	13
Biology	3,072	11.25	273	12	3,254	11.0	296	10
Chemistry*	3,529	10.25	344	7	3,216	9.25	348	6
Economics	1,605	3.5	459	1	1,065	3.25	328	7
English	7,993	29.0	276	11	7,072	24.0	295	11
Geography	336	1.0	336	8	295	0.75	393	3
Geology	2,414	8.25	293	10	2,170	8.25	263	12
Government**	1,704	4.75	359	6	1,611	5.25	307	9
History	3,234	7.75	417	3	3,238	7.0	463	2
Journalism	318	1.5	212	16-17	252	1.5	168	17
Mathematics*	7,338	18.5	396	4	6,719	18.25	368	5
Mod. Lang.	3,704	17.0	218	15	3,379	15.75	215	14
Philosophy	942	2.25	419	2	1,125	2.25	500	1
Physics*	1,698	8.0	212	16-17	1,608	8.5	187	16
Psychology	2,432	7.25	335	9	2,718	7.25	375	4
Sociology	1,360	3.75	363	5	1,005	3.25	309	8
Speech	1,159	5.0	232	14	918	4.5	204	15
TOTALS	44,588	145.5	306		41,328	136.5	303	

* Includes Los Alamos and Holloman Air Base enrollments in courses numbered 100 or higher taught by UNM faculty. Does not include courses of 100-level or higher if taught by staff from Los Alamos or Holloman.

**Includes Inter-American Affairs.

COMPARATIVE SUSPENSION AND PROBATION FIGURES

College of Arts and Sciences, 1955-1956

	Semester I		Semester II		Summer-'55		T o t a l	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Enrollment	1,018	100.0	979	100.0	176	100.0	2,173	100.0
Probation	162	14.9	101	10.3	18	10.2	271	12.5
Suspended	18	1.7	30	3.1	0	--	48	2.2
Suspended to General	13	1.3	22	2.2	0	--	35	1.6
Released from Prob.	23	2.2	35	3.6	9	5.1	67	3.1

College of Arts and Sciences, 1956-1957

	Semester I		Semester II		Summer-'56		T o t a l	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Enrollment	1,099	100.0	1,070	100.0	222	100.0	2,389	100.0
Probation	149	13.6	89	8.3	10	4.5	248	10.4
Suspended	19	1.7	52	4.8	2	.9	73	3.1
Suspended to General	14	1.3	56	5.2	2	.9	72	3.0
Released from Prob.	32	2.9	32	3.0	2	.9	66	2.8

General College, 1955-1956

	Semester I		Semester II		Summer-'55		T o t a l	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Enrollment	480	100.0	457	100.0	83	100.0	1,020	100.0
Probation	126	26.2	94	20.6	21	25.3	241	23.6
Suspended	44	9.2	70	15.3	7	8.4	121	11.9
Released from Prob.	40	8.3	40	8.7	5	6.0	85	8.3

General College, 1956-1957

	Semester I		Semester II		Summer-'56		T o t a l	
	No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
Enrollment	598	100.0	534	100.0	98	100.0	1,230	100.0
Probation	115	19.2	103	19.3	25	25.5	243	19.8
Suspended	65	10.9	78	12.7	7	7.1	150	12.2
Released from Prob.	32	5.4	71	13.3	4	4.1	107	8.7

COLLEGE OF ARTS AND SCIENCES

NUMBER OF MAJORS AND MINORS BY DEPARTMENTS OR FIELDS
GRADUATING CLASS, June, 1957

(Including Summer, 1956, and February, 1957, Graduates)

	<u>Majors</u>	<u>Minors</u>
Air Science***	--	4
Anthropology	11	3
Art*	2	3
Biology	14	11
Business Administration***	--	3
Chemistry	7	8
Dietetics**	3	--
Economics	4	4
Engineering***	--	12
English	14	12
Geography	--	1
Geology	23	4
Government	10	6
History	10	8
Home Economics*	1	1
Inter-American Affairs	11	--
Journalism	1	0
Mathematics	9	8
Modern Languages	7	15
Naval Science***	--	5
Philosophy	2	2
Physics	5	0
Psychology	8	24
Sociology and Social Work	6	4
Speech	4	0

* Not a department of the College of Arts and Sciences, but major and minor in the subject are allowed.

** Not a department of the College of Arts and Sciences, but a major is allowed.

***Not a department of the College of Arts and Sciences, but under certain conditions a minor in the subject is allowed.

The Report of the Department of Anthropology
July 1, 1956 - June 30, 1957
W. W. Hill, Chairman

1. Significant achievements during the academic year, 1956-57.

The Anthropology Department, one of the eight departments of the College of Arts and Sciences offering a program leading to the Ph. D. degree, continued its undergraduate and graduate programs as revised three years ago. During the year seven students received A. B. degrees, three M. A. degrees.

In addition to the regular program the Department held its annual Field Session. The 26th Field Session was an archaeological one held in the vicinity of Los Lunas, New Mexico at Pottery Mound and was under the direction of Dr. Frank Hibben. Work by advanced students was engaged in near Lucy, Torrance County, New Mexico.

Volume 13 of the Southwestern Journal of Anthropology sponsored by the Department and edited by Dr. Leslie Spier, with W. W. Hill, Associate Editor was published. This Journal, recognized as one of the leading quarterlies in the field of Anthropology now has over 950 subscribers and an international distribution. Details concerning the Journal are contained in a separate report.

This summer Dr. Stanley Newman will act as consultant and member of the seminar to be held at the University by the U.S. Air Force Contract AF 49(638-33).

Dr. Harry Basehart and two advanced graduate students, Edward Rogers and Richard Henderson, will conduct field research on the Mescalero Reservation in connection with the Land Claims contract with the University of New Mexico.

Dr. Florence Ellis will act as consultant this summer for the Laguna Pueblo Land Claims.

2. Significant plans and recommendations for the near future.

The Department of Anthropology expects to be more active in the applied field within the coming several years. Several projects are now in the process of formulation. In particular Dr. Basehart and Dr. Tom Sasaki have been working with the Navaho Tribal Council and the Indian Service in connection with a proposed project for the Shiprock area. If the Department is successful in obtaining financial support for this program, the services of several graduate students as well as faculty members will be needed for a considerable period.

5. Publications.

(b) Articles.

ELLIS, Florence H. and Edwin Baca. "The Apuntes of Father J. B. Ralliere, New Mexico Historical Review, Vol. XXXII, #1, 1957.

HIBBEN, Frank C. "Excavations at Pottery Mound, New Mexico," American Antiquity, Vol. XXI, #2, 1955.

(c) Reviews.

NEWMAN, Stanley. Review of Kenneth L. Pike, "Language in Relation to a Unified Theory of the Structure of Human Behavior: Part II, International Journal of American Linguistics 23:48-50, 1957.

6. Completed research projects.

Dr. Stanley Newman completed his Zuni dictionary. Money for publication of this has been received from the Wenner-Gren Foundation and the University of Indiana.

7. Outside-sponsored research.

Dr. Newman was Director of the Zuni Field Team, Southwest Project in Comparative Psycholinguistics sponsored by the Social Science Research Council. He is continuing his research in Zuni linguistics and is currently working on the Zuni grammar.

Dr. Harry Basehart has continued his research on kinship change among the Jicarillo Apache and has arranged for a symposium on models for the study of kinship for the 1958 national meetings of the American Anthropological Association. He is one of the contributors to the UNESCO interdisciplinary dictionary of Social Science terms.

Dr. W. W. Hill has continued his research on Santa Clara Pueblo.

8. Other professional activities.

Dr. Harry Basehart and Dr. W. W. Hill have acted as consultants for the Commission on the Rights, Liberties and Responsibilities of the American Indian. Dr. Basehart cooperated with the law enforcement authorities in the identification of skeletal material. He was a member of the Library Committee, and the Committee on Graduation Requirements. He functioned as Freshman Advisor and was co-sponsor of the Kiva Club.

Dr. Florence Ellis has been doing research both ethnological and archaeological for Zia, Santa Ana and Jemez Pueblos. She functioned as Freshman Advisor, was sponsor of the Anthropology Club and served on the Committee of Prizes and Awards.

Dr. Frank Hibben gave lectures at Highland University, Eastern New Mexico University and before the American Medical Association. He served on the Students Publications Board.

Dr. Stanley Newman was guest speaker for the National Association of Foreign Students Advisors; and acted as consultant in research in the Behavioral Sciences sponsored by the U. S. Air Force. Dr. Newman served as Freshman Advisor, the University of New Mexico Fulbright Program Advisor, and as a member of the Graduate Committee.

Dr. W. W. Hill served as co-sponsor of the Kiva Club, was a member of the Athletic Council and Publications Committee.

9. Activities in learned and professional societies.

Dr. Harry Basehart attended the Annual meeting of the American Anthropological Association and gave a paper on "Group Concepts and the Analysis of Segmentary Systems." He was elected to membership in Sigma Xi.

Dr. Florence Ellis attended the Pecos Conference and gave papers at the New Mexico Conference of Social Welfare and at the meeting of the American Association of University Women.

Dr. Stanley Newman was Vice President of the New Mexico Chapter of Sigma Xi; and Secretary for the Social Science Section, Southwest and Rocky Mountain Division of the American Association for the Advancement of Science.

Dr. W. W. Hill was Chairman of the section on Cultural Change at the Annual meeting of the American Anthropological Association; was elected to the Council of the American Folklore Society and to the Nominating Committee of the American Folklore Society.

11. Gifts.

The Department of Anthropology received a fine collection of

Peruvian pre-Spanish pottery, textiles and other artifacts consisting of small figures of silver, copper or bronze from Professor Watt Stewart, History Department, State University of New York. This collection is valued at \$400.00.

Pictures and a headdress of the Ainu were contributed by Mrs. A. B. Banks.

Books on Anthropology from the library of Dr. Hubert Alexander's father were given to the Department. The Alexander Collection consists of over five hundred books.

Dr. John Adair contributed a number of books and periodicals. Robert Euler of Arizona State College also contributed a number of periodicals.

Collections of ethnological material from India, and ethnological and archaeological material from Africa are the gifts of Dr. and Mrs. Frank C. Hibben.

The Report of the Department of Biology
July 1, 1956 - June 30, 1957
William J. Koster
Acting Chairman

1. Significant achievements during the academic year, 1956-57.

The department continues to grow steadily. Progress was made along the lines laid down by the former chairman, Dr. E. F. Gastetter.

One Ph.D. candidate is finishing in each of the three areas of the department (physiology, invertebrate zoology, and vertebrate zoology) in which the doctorate is offered. One of the three, however, will not finish in time to receive his degree this June. In addition, three Master's degrees are being completed.

A television course in General Biology is planned for the 1957-58 academic year. Otherwise, there has been no significant change in the organization of the department, in the emphasis accorded each field, or in course offerings.

Co-operation with the Los Alamos Scientific Laboratory continues on a satisfactory basis. One doctoral candidate is presently working on his dissertation and a Master's candidate will soon begin work on her thesis there.

A mutually beneficial arrangement between the New Mexico Department of Game and Fish and the Biology Department is developing with good speed and solidity. The

Game Department from time to time donates materials for experiments and for the study collections, and it has contributed a substantial sum toward the publication of a book on the fishes of New Mexico by Dr. Koster with whom it is also co-operating in an effort to determine the economic significance of angling to New Mexico. In turn the Game Department receives technical advice as well as aid in the identification of organisms by Doctors Dittmer, Findley, Hoff, Jackson, and Koster. Two students will work for the Game Department while they do research toward their Master's degree. Doctors Findley and Koster have been asked to lecture at the "School" the Game Department is holding for its personnel in early June.

2. Significant plans and recommendations for the near future.

There are no significant changes in long-range plans as contemplated for the next year. Staffwise, our most pressing need is for a permanent chairman. Although about two hundred candidates were considered this year, none met the unanimous approval of the Biology Staff and of the responsible Administrative Officers. A better balance between botany and zoology in the department would be obtained by the addition of another botanist. This would pave the way toward offering the Ph.D. in botany. Generally speaking, the recommendations and plans mentioned in the Annual Report for 1955-56 by Dr. Castetter and in the Budget Request made by Dr. Koster in September, 1956, are

still valid and need not be mentioned here.

3. Appointments to staff.

Eugene W. Rypka, Bacteriologist - September, 1957

4. Separations from staff.

Dr. Landon E. Bowers, Bacteriologist, resigned to accept a position at Syracuse University.

5. Publications.

(a) Books and monographs.

DITTMER, H. J. Laboratory Manual - Plant Morphology. Mimeographed. 1956. pp. 1-40. The Department of Biology.

Suggestions for Garden in New Mexico. Mimeographed. 1957. pp. 1-33. The Department of Biology.

HOFF, C. CLAYTON. Laboratory Manual - Invertebrate Zoology. Revised, 1956. Mimeographed. pp. 1-63. The Department of Biology.

KOSTER, WILLIAM J. A guide to the fishes of New Mexico. Albuquerque: University of New Mexico Press. 1957. (In galley proof.)

(b) Articles.

LANGHAM, W. H., W. J. EVERSOLE, F. N. HAYES, and T. T. TRUJILLO. Assay of tritium activity in body fluids with use of a liquid scintillation system. Journ. Lab. and Clin. Med. 47:819-825. 1956.

GIERE, FREDERIC A. AND W. J. EVERSOLE. Adrenal ascorbic acid depletion without eosinopenia in hypophysectomized rats injected intrasplenically with corticotrophin. Proc. of the Iowa Academy of Science. 63:693-696. 1956.

RICHMOND, D. R. and W. J. EVERSOLE. Respiration and enzyme studies on azo-dye induced liver tumors in rats. Anat. Rec. 125:652. 1956.

MARTIN, DUNCAN W. and W. J. EVERSOLE. Maintenance of adrenalectomized rats with cortisone acetate. Anat. Rec. 125:589-590. 1956.

FINDLEY, JAMES S. Possible Himalayan color pattern in the masked shrew. Journ. Mamm., 37:275-276. May, 1956.

_____. The hog-nosed bat in New Mexico. Journ. Mamm., (In press.)

_____ and R. BAKER. Dwarf Shrew first reported in South Dakota. Journ. Mamm., 37:543. Nov., 1956.

_____ and J. POORBAUGH. A second record of the Dwarf Shrew in New Mexico. Journ. Mamm. (In press.)

_____ and BARRY PULLEN. The fulvouse harvest mouse in New Mexico. Journ. Mamm. (In press.)

HOFF, C. CLAYTON. The Heterosphyronid Pseudoscorpions of New Mexico. American Museum Novitates, no. 1772, pp. 1-13. June 15, 1956.

_____. Diplosphyronid Pseudoscorpions from New Mexico. American Museum Novitates, no. 1780, pp. 1-49. July 27, 1956.

_____. Pseudoscorpions of the Family Chernetidae from New Mexico. American Museum Novitates, no. 1800, pp. 1-66. October 16, 1956.

_____. Pseudoscorpions of the Family Cheliferidae from New Mexico. American Museum Novitates, no. 1804, pp. 1-36. December 7, 1956.

JACKSON, R. C. and A. T. GUARD. Hybridization of perennial sunflowers in Indiana. Proc. of the Indiana Academy of Science for 1955. 65: 212-217. 1956.

(c) Reviews.

DITTMER, HOWARD J. Six reviews for Biological Abstracts from the American Scientist. These reviews are from 100-500 words in length.

6. Completed research projects.

None.

7. Outside-sponsored research.

(a) H. J. Dittmer

1. Sponsor: National Science Foundation
2. Amount: \$9,100 (15% of amount for overhead)
3. Time: April 1, 1957 to April 1, 1959.
4. Title of Project: Study of roots and root hairs of arid and semi-arid plants.

(b) W. J. Eversole

1. Sponsor: Public Health Service, National Institute of Health Grant No. A-202 (C4)
2. Amount: \$2,300 (15% of amount for overhead)
3. Time: September 1, 1956 to September 1, 1957.
4. Title of Project: Endocrine regulation of water and electrolyte metabolism.

This grant was started June 16, 1952, and has been renewed on a yearly basis since. This grant will terminate September 1, 1957.

(c) W. J. Eversole

1. Sponsor: American Cancer Society, Inc.,
continuation of Grant No. EDC-29
2. Amount: \$5,750 (15% of amount for overhead)
3. Time: July 1, 1956 to July 1, 1957.
4. Title of Project: Endocrine, vitamin, and
enzyme factors in liver
carcinogenesis.

This Grant EDC-29B renewed for July 1, 1957 to
January 1, 1958, for amount of \$2,875. (15%
of amount for overhead)

(d) James S. Findley

1. Sponsor: National Science Foundation
2. Amount: \$8,300 (15% of amount for overhead)
3. Time: January 1, 1957 to January 1, 1960.
4. Title of Project: Study of zoogeography of
southwestern mammals.

(e) W. J. Koster

1. Sponsor: Resources for the Future, Inc.
2. Amount: \$7,000 (See note below)
3. Time: July 1, 1956 approximately to January 1,
1958.
4. Purpose: To determine the "value" of water
for recreational purposes.

Note: This is a portion of the \$50,000 grant
awarded to the group headed by Dr.
Nathaniel Wollman, for a study of
"Measures of the 'Value' of water in
New Mexico."

8. Other professional activities.

H. J. Dittmer: Talks to local clubs.

W. J. Eversole: Employed at Los Alamos Scientific Laboratory, Summer of 1956, and Veteran's Hospital, five hours.

James S. Findley: Co-operative project, "Study of the javelina in New Mexico", with the New Mexico Game and Fish Department; Talk at Highland High School Career Day.

M. W. Fleck: Educational Consultant for New Mexico State Dental Society; Evaluation of post-graduate seminars for the Kellogg Foundation; Member of Board of Trustees, Bernalillo County-Indian Hospital; gave Television course in radiobiology; gave addresses to numerous conventions, churches, and other organizations. Also gave commencement addresses at Magdalena, Grants, and Tucumcari, May, 1957.

R. C. Jackson: Gave two talks to local groups; judged papers for the National Science Talent Search at Socorro in April, 1957.

W. J. Koster: Gave one Radio talk; judge, Biology Section, New Mexico State Science Fair at Socorro in April, 1957; Lecturer, School for New Mexico Game and Fish Department Personnel June, 1957; Member, Governing Board, United Student Christian Fellowship 1956-57.

9. Activities in learned and professional societies.

H. J. Dittmer: Member of Nominating Committee, Botany Section, Southwestern and Rocky Mountain Division, A.A.A.S.; read paper before meeting of Southwestern and Rocky Mountain Division of A.A.A.S., Tucson, 1957; talks to local Garden Clubs.

W. E. Eversole: President, New Mexico Society for Biological and Medical Research; read papers before Federated Societies for Experimental Biology national meetings in Chicago, 1957, and before the Southwestern and Rocky Mountain Division of A.A.A.S., Tucson, 1957.

James S. Findley: Member, Recent Literature Committee, American Society of Mammalogists; read paper before American Society of Mammalogists, June, 1956.

M. W. Fleck: Secretary UNM Chapter NMEA; Vice-President and President-elect UNM Chapter Phi Kappa Phi; read paper before New Mexico Academy of Science and before NMEA State Convention; addressed convention of eye, ear, nose, and throat specialists of the Rocky Mountain area on the physiology of the eye.

G. Clayton Hoff: President, New Mexico Chapter, Sigma Xi; Member Resolutions Committee, Ecological Society of America; elected Secretary of Zoology Section of the Southwestern and Rocky Mountain Division of the A.A.A.S.

W. J. Koster: Elected Secretary-Treasurer, New Mexico Academy of Science; Council Member, American Association for the Advancement of Science; Member Admissions Committee, New Mexico Chapter of Sigma Xi.

10. Important study and travel.

None

11. Gifts.

None

The Report of the Department of Chemistry
July 1, 1956 - June 30, 1957
J. L. Riebsomer, Chairman

1. Significant Achievements During the Academic Year, 1956-57.

a. Undergraduate Program

No important changes have been made in our undergraduate courses. We have continued our interest in the teaching of the sciences in the public schools. Dr. E.L. Martin and Dr. J.L. Riebsomer have published five articles in the New Mexico School Review on "The Status of Science Teaching in the New Mexico High Schools." As a result of these studies we were invited to confer with the State Committee which decides on the training requirements for the public school science teachers. We expect the subject matter requirements to be strengthened in the near future.

More than fifteen hundred people attended our third "Open House" on March 8 and 9, 1957. For the second time students from the public schools participated.

b. Graduate Program

No significant changes have been made in course offerings or procedures. This year was unusual in that eight students were granted Ph.D. degrees in Chemistry at the commencement June 5. Of these, five completed their dissertation work under the direction of Dr. Milton Kahn, two under Dr. J.F. Suttle and one under Dr. Guido H. Daub. The department as a whole has been quite active at basic research as the list of publications will indicate.

We have received several new research grants. Unfortunately, there has not been a sufficient number of graduate students to use all the available money. For details see item 7.

2. Significant Plans and Recommendations for the Near Future.

As a sequel to our studies of teaching of the sciences in the New Mexico high schools, Dr. E.L. Martin is planning a long-range research program in cooperation with the public schools. This program is to be designed with the hope that the results will point the way for the nation to increase its supply of scientific personnel. Funds for this work will be sought from appropriate Government agencies.

We believe the time is drawing near when the department should consider expanding its program to include biochemistry. The need is increasing year by year.

Our greatest weakness continues to be our inability to acquire permanent equipment. Indeed, portions of our laboratory are still unfurnished. We must find some way of solving these problems.

3. Appointments to Staff.

a. Dr. Peter Linde was employed as a part-time staff member during the 1956-57 academic year. His services will terminate as of June 30, 1957.

b. Dr. Glenn Crosby has been employed as an assistant professor and will begin his work September 1, 1957.

4. Separations from Staff.

Dr. John F. Suttle was appointed Director of the educational program at Los Alamos, effective July 1, 1956. While he is still a member of our staff, he has been reduced from a full-time to part-time basis.

5. Publications.

DAUB, GUIDO H.

(a) Books.

1. Guido H. Daub and John F. Suttle: Laboratory Experiments in General Chemistry, Second Edition (Revised). Albuquerque. Private printing. 157 p.p.

(b) Articles.

1. Guido H. Daub and James W. Patton. "The Synthesis of 2-Methyl-3,4-benzpyrene and 2,8-Dimethyl-3,4-benzpyrene," Journal American Chemical Society, 79, 709 (1957).

2. Guido H. Daub and Jules Adelfang. "The Synthesis of 9-methyl-3,4-benzpyrene and 8,9-Dimethyl-3,4-benzpyrene," Journal American Chemical Society, 79, 1751 (1957).

KAHN, MILTON

(a) Books.

None

(b) Articles.

1. Milton Kahn. "A Simple Kinetic Model for Single and Consecutive First Order Reactions," Journal of Chemical Education, 34, 148-149 (1957).

2. Milton Kahn. "Electrodeposition of Plutonium Fluoride," U.S. Patent 2,758,963, August 14, 1956.

3. Milton Kahn and J.L. Rielsomer. "The Exchange Reaction Between Substituted Benzyl Iodides and Potassium Iodide. VI. p-Bromobenzyl Iodide." Atomic Energy Commission. LA-2017 UNM, 8 pp.

4. Milton Kahn and J.L. Riebsomer, "The Exchange Reaction Between Substituted Benzyl Iodides and Potassium Iodide. VII. p-Fluorobenzyl Iodide," Atomic Energy Commission, LA-2048 UNM, 9 pp.

MARTIN, ERNEST L.

(a) Books.

1. Martin, Ernest L. Laboratory Notebook and Manual in Quantitative Analysis. Albuquerque, N.M. Private Printing, Revised 3rd Edition, August 1956. 185 pp.

(b) Articles.

1. Martin, E.L. and others. "Student Enrollments in the Sciences in New Mexico High Schools", New Mexico School Review, 36, (1) 22-23 (1956).

2. Martin, E.L. and others, "The Status of Science Training in New Mexico High Schools", New Mexico School Review, 36, (2) 24-27 (1956).

3. Martin, E.L. and others, "Relation of Student Enrollments and Teacher Training in the Sciences", New Mexico School Review, 36, (3) 17-18 (1956).

4. Martin, E.L. and others, "Salaries of Science Teachers", New Mexico School Review, 36, (4) 20-21 (1956).

5. Martin, E.L. and others, "Who Wants to be a Scientist? Part VI", New Mexico School Review, 36, (5) 12-13, 28-29 (1957).

6. Martin, E.L. and others, "Who Wants to be a Scientist? Readers' Forum", New Mexico School Review, 36, (7) 3 (1957).

RIEBSOMER, J.L.

(a) Books.

None

(b) Publications.

1. J.L. Riebsomer and Milton Kahn. "The Exchange Reaction Between Substituted Benzyl Iodides and Potassium Iodide. VI. p-Bromobenzyl Iodide," Atomic Energy Commission LA-2017 UNM, 8 pp.

2. J.L. Riebsomer and Milton Kahn. "The Exchange Reaction Between Substituted Benzyl Iodides and Potassium Iodide. VII. p-Fluorobenzyl Iodide," Atomic Energy Commission, LA-2048 UNM, 9 pp.

3. Coauthor of the 6 articles published in the New Mexico School Review with Dr. Ernest L. Martin. See Dr. Martin's publication list above.

6. Completed Research Projects.

KAHN, MILTON

1. "The Exchange Reaction Between Substituted Benzyl Iodides and Potassium Iodide. VIII. p-Methylbenzyl Iodide. (with J.L. Riebsomer) Atomic Energy Commission.

2. "The Exchange Reaction Between Substituted Benzyl Iodides and Potassium Iodide. IX. p-Carbomethoxybenzyl Iodide. (with J.L. Riebsomer) Atomic Energy Commission.

3. "Purification of Carrier-Free Iodine-131 Activity" (with A.J. Freedman and C.G. Schultz) Inorganic Synthesis.

4. "Behavior of Indium at Tracer Concentrations." (with K.L. Lawson).

5. "The Exchange of Chlorine Between Hydrogen Chloride and Acetyl Chloride in the Vapor Phase." (with W.J. Neill).

6. "Chemical Behavior of Iodine at Carrier-Free Concentrations." (with M. Eiland)

7. "A Radiochemical Investigation of Short-Lived Selenium and Bromine Fission Products." (with J.E. Sattizahn, Jr. and J.D. Knight).

8. "A Study of the Density and Molecular Species of Polonium and Tellurium Vapor." (with A.L. Giorgi)

9. Adsorption and Solvent Extraction Procedures for the Separation of Carrier-Free Indium from Cadmium. (with K.L. Lawson) Accepted for publication by Journal of Inorganic and Nuclear Chemistry.

7. Outside Sponsored Research.

a. Grant of \$44,105.93 from the University of California through the Los Alamos Scientific Laboratories for fundamental research. Period of grant, July 1, 1956 to June 30, 1957. The following staff members have taken part in the program: Dr. Guido Daub, Dr. Milton Kahn, Dr. E.L. Martin, Dr. John F. Suttle, Dr. J.L. Riebsomer.

b. Dr. Raymond Castle has received the following grants: (See also pharmacy report)

1. National Institutes of Health, \$5324. Expired February 1, 1957. Purpose: Synthesis of Imidazo-4,5-d-pyridazines as Nucleic Acid Antagonists. See 1956 report.

2. Grant of \$3500 from Smith, Kline and French Laboratories expires October 1957. Purpose: Synthesis of compounds related to reserpine. See 1956 report.

3. Grant of \$2500 from Eli Lilly Co. Period of grant, June 1, 1957 to May 31, 1958. Purpose: Synthesis of Lysergic Acid Analogs.

c. Dr. Guido H. Daub received an additional grant of \$1457 from the National Institutes of Health for the synthesis of carcinogenic compounds. Expires July 31, 1957.

d. Dr. J.L. Riebsomer has received a research grant of \$3000 from the National Aluminate Corporation of Chicago for the synthesis of heterocyclic nitrogen compounds. Term of grant, June 1, 1957 to May 31, 1958.

8. Other Professional Activities.

CASTLE, RAYMOND N.

1. Member New Mexico Basic Science Board.

DAUB, GUIDO H.

1. Served as consultant for Sandia Corporation.

KAHN, MILTON

1. Consultant Los Alamos Scientific Laboratories.

MARTIN, ERNEST L.

1. Consultant Department of Narcotics, Federal Bureau of Revenue; Consultant for Southwest Air Procurement Office in Dallas on Electroplating Problems; Consultant on Gas Explosions.

RIEBSOMER, J.L.

1. Member New Mexico Basic Science Board.

2. Served as judge at one science fair.

3. Spoke at career day programs at two high schools.

4. Addressed three hundred general science students at Woodrow Wilson Junior High School.

9. Activities in Learned and Professional Societies.

CASTLE, RAYMOND N.

1. Treasurer of New Mexico Section Sigma Xi, 1956-57.

2. Elected Secretary New Mexico Section Sigma Xi for 1957-58.

3. Chairman of nominating committee of the New Mexico Section of the American Chemical Society December, 1956.

4. Read a paper entitled "Pyridylimidazolidines and Pyridyloxazolidines" at the national meeting of the American Chemical Society, Miami, Florida on April 10, 1957.

5. Member University Library Committee, 1956-57. Chairman this committee Semester II, 1956-57.

DAUB, GUIDO H.

1. Secretary New Mexico Section of American Chemical Society, 1956.

2. Presented a paper entitled, "The Synthesis of 9-Methyl-3,4-benzpyrene and 8,9-Dimethyl-3,4-benzpyrene" before the Division of Organic Chemistry at the 131st meeting of The American Chemical Society, Miami, Florida, April 8, 1957.

3. Member Athletic Council since September 1956.

4. Member Honors Committee since February 1957.

KAHN, MILTON

1. Member Admissions Committee for Sigma Xi.

2. Advisor, New Mexico Section American Chemical Society.

3. Secretary, Phi Kappa Phi.

4. Read paper entitled "Short-lived Bromine and Selenium Nuclides From Fission" at Washington meeting of American Physical Society, April 1957. (This paper with J.E. Sattizahn and J.D. Knight)

5. Read paper (with J.A. Leary) entitled "Isotopic Exchange Between Potassium Iodide and Benzyl Iodides. Solvent Effects," at Atlantic City National Meeting of the American Chemical Society, September 1956.

6. Presented paper (with M. Eiland) entitled "Some Observations on the Chemical Behavior of Iodine at Low Concentrations at 33rd annual meeting of AAAS, Southwestern and Rocky Mountain Division.

7. Member Curriculum Committee, Research Committee and Advancement Committee, 1956-57.

MARTIN, ERNEST L.

1. Member Graduate Committee and Committee on Entrance and Credits, 1956-57.

2. Read papers as follows:

- a. "A Scientist Looks at Safety," Safety Section of New Mexico Educational Association Meeting October 25, 1956.
- b. "A Survey of Science Teaching in New Mexico High Schools" (with J.L. Riebsomer) New Mexico Academy of Science, October 25, 1956.
- c. "The Status of Science Teaching in the New Mexico High Schools" (with J.L. Riebsomer), Joint Meeting of the Southwest and Southeast Sections of the American Chemical Society, Memphis, Tennessee, December 3, 1956.
- d. "The Sciences in New Mexico High Schools," New Mexico section of Sigma Xi, April, 1957.

RIEBSOMER, J.L.

- 1. Papers read. (See also under Dr. Ernest L. Martin above)
- 2. Served as referee for 3 articles for Journal of Organic Chemistry.
- 3. Attended meeting of New Mexico Academy of Science, October, 1956.
- 4. Attended Joint Meeting of Southwest and Southeast Sections of American Chemical Society, at Memphis, Tennessee, December 1956.
- 5. Attended National Meeting of Basic Science Boards, Chicago, Illinois, February, 1957.
- 6. Addressed New Mexico Section of Sigma Xi, October 1956, on subject "Chemicals From Crudes."

SUTTLE, JOHN F.

- 1. Elected Chairman-Elect of the New Mexico Section of the American Chemical Society for 1957.

10. Important Travel and Study.

None

11. Gifts

None

The Report of the Department of Economics

July 1, 1956 - June 30, 1957

Julian S. Duncan, Chairman

1. Significant achievements during the academic year 1956-1957:
 - A. Dr. Nathaniel Wollman received a grant of \$50,000 from Resources for the Future for a study of New Mexico water resources and uses.
 - B. Dr. David Hamilton has been a visiting Intern in General Education at Columbia University during the academic year 1956-1957. This we consider a special honor because the University of New Mexico had one of the few internships given by the Carnegie Corporation, and this is the second consecutive year in which a member of the UNM faculty has received one of these internships.

2. Significant plans and recommendations for the near future:
 - A. Work is continuing in the revision of Economics 51-52 as part of the experimental program in conjunction with the grant from the Fund for the Advancement of Education. Dr. Wollman has conducted one of the experimental courses in Economics 52 during Semester II, 1956-1957. Under plans which have been submitted to the Dean of the College of Arts and Sciences, it is planned to put both Economics 51 and 52 on a lecture-laboratory-quiz basis for the academic year 1957-1958.
 - B. In cooperation with the other social science departments of the University, a proposal has been made to put all the staff members of the social science departments on a

nine-hour load basis. This proposal has been approved for the Economics Department. It is believed that the plans as presented by the Economics Department will result both in a lowering of costs and an improvement in quality.

3. Prospective changes in staff:

- A. Professor Wollman will resume full-time teaching in the fall, following his work this year on the New Mexico Water Resources project under a grant from Resources for the Future.
- B. Dr. David Hamilton was promoted to the rank of Associate Professor as of June 1956. He is returning to his teaching after spending the past academic year as Intern in General Education at Columbia University.
- C. Dr. Allen Kneese, presently Visiting Lecturer in Economics, has been appointed Assistant Professor of Economics, effective September 1957.

4. Separations from staff:

Dr. Mervyn Crobaugh, Associate Professor of Economics, died on January 18, 1957.

5. Publications:

A. Monographs.

DUNCAN, JULIAN S. "Reporte Preliminar: Necesidades y Recursos de El Salvador Relacionados a Diferentes Tasas de Crecimiento de Poblacion", Comunicaciones, Instituto Tropical de Investigaciones Cientificas, Universidad de El Salvador, Ano V, Enero-Marzo, No. 1, 1956

B. Articles.

WOLLMAN, NATHANIEL, "The Southwest" - article published in the 1957 Yearbook of P.F. Collier Encyclopedia.

"Past, Present, and Future of Public Assistance in New Mexico," - Chapter 3 in Public Assistance and Social Service in New Mexico, Committee and Staff Reports of the Welfare Investigating Committee of the New Mexico State Legislature, 1957.

"Economic Concepts in the Use of Water," Symposium on Water Law, The Conservation Foundation - to be published.

HAMILTON, David B.

"1929-1956: Some Deadly Parallels," The Nation, June 2, 1956.

"Can We Afford Peace?" The Nation, August 25, 1956.

"What Is Positive in Veblen?" New Mexico Quarterly, Summer 1956.

"The Ceremonial Aspect of Corporate Organization," The American Journal of Economics and Sociology, October 1956.

"Behind an Economic Maginot Line," Frontier, February 1957.

6. Completed Research Projects: None.

7. Outside-Sponsored Research:

Dr. Nathaniel Wollman received a grant of \$50,000 from Resources for the Future for a study of New Mexico water resources and uses. The purpose of the study is to establish the relative value of water in alternative uses. The method used involves the construction of various patterns of water use and an estimate of gross state product for each pattern. Also participating in this study and financed by the grant to

the University are New Mexico A. and M., the State Bureau of Mines and Mineral Resources, and the State Engineer's office. At the University, the following people are participating in the project: Dean Farris and Professor Grace of the College of Engineering; Professor Koster of the Biology Department; and Professors Edgel and Brasher of the Bureau of Business Research. It was originally expected that the project would be completed by the fall of 1957, but it is likely that the completion date will not be reached until well into 1958.

8. Other Professional Activities:

- A. The Department of Economics was one of the sponsors of a lecture given by Dr. Colston E. Warne, President of Consumers' Union, on April 29, 1957.
- B. Dr. Allen Kneese took part in a panel discussion commemorating the 200th anniversary of the birth of Alexander Hamilton. He also addressed a meeting of Federal Civil Service employees in Albuquerque in January 1957.
- C. Dr. Julian S. Duncan addressed a Citizens' Group at Estancia, New Mexico, on May 28, 1957 on "The Art of Buying."
- D. The Economics Club has been active during the past academic year, with students and professors meeting to hear lectures by Professor Robert Clark, Mr. Leon Wolcott, Mr. W. E. Schaub, and Mr. C. L. Forsling.

9. Activities in learned and professional societies:

- A. Dr. Duncan attended a meeting of the American Economic Association in Cleveland, Ohio, on December 27-29, 1956.

B. Dr. Wollman read a paper on "Economic Concepts in the Use of Water" at a Symposium on Water Law sponsored by the Conservation Foundation.

10. Important study and travel:

Dr. Duncan spent his sabbatical leave, from February to September 1956, in El Salvador studying long-range economic planning in that country.

11. Gifts: None.

The Report of the Department of English
July 1, 1956--June 30, 1957
W. P. Albrecht, Acting Chairman, Semester I
Norton B. Crowell, Acting Chairman, Semester II

1. Significant Achievements.

The most significant change made during the academic year by the Department of English was the inclusion in the University Catalog of the four new options for the major offered by the Department.

I. GENERAL CULTURAL OPTION: 53 and 54; 21 additional hours in literature including 9 in courses before 1800; 6 hours among courses in history, philosophy, art history, music history, and comparative literature.

II. OPTION FOR SECONDARY SCHOOL TEACHING: 53, 54, and 6 additional hours in British literature; 55, 91 or 191; 3 hours in creative or informative writing; 6 hours in American literature; 3 hours in world or contemporary literature; and Education 155c.

III. WRITING OPTION: 6 hours from 61, 62, 64; 9 hours from 121, Dramatic Art 155, 156, Journalism 102, 132, and Speech 192; and 15 hours from appropriate literature courses, including 6 hours in courses before 1800. Students electing this option are urged to combine it with an additional major or minor in a field in which writing opportunities are likely to exist.

IV. OPTION FOR THOSE PLANNING GRADUATE STUDY: 53 and 54; 91 or 191; 3 hours selected from 75, 76, 139, 140; 3 hours selected from 82, 167, 168, 169; 141 or 142; 146 or 151; 6 additional hours chronologically distributed in courses after 1700; 6 hours among courses in history, philosophy, art history, music history, and comparative literature; two years, or the equivalent, of a foreign language. Further language study is strongly recommended.

Each option is recommended for a particular objective, but it does not limit the student to that particular objective. A student choosing option 1, for example, would still be preparing for secondary school teaching. The four options, it is hoped, will attract students with divergent interests and needs and will prove more satisfying than one major with somewhat rigid requirements.

The facilities of the English Workshop, where graduate assistants conduct tutorials in English essentials, were expanded during the year through the use of two full-time tutorial rooms in Bandelier Hall. Here freshmen with marked deficiencies are given two hours a week of tutoring in English fundamentals to supplement their three credit hours in class. In the fall semester, when most of the referrals were from English 1 sections, 147 students were enrolled in English tutorials. During the spring semester, when referrals were from both English 1 and English 2 sections, 164 students received tutorial help. In addition, 67 students who had previously failed the Sophomore Proficiency Examination one or more times received tutoring in the Workshop to help them meet the minimum standard of proficiency in English required for graduation.

As part of an experimental program in the College of Business Administration, for which the Ford Foundation for the Advancement of Education granted a sum of money, three normal sections of English 6A, Informative Writing, were combined into one section taught by Professor C. V. Wicker with the aid of a graduate assistant, Jerome A. Mattox. It was planned that all of these students taking English 6A would take Government 52 and Economics 52 simultaneously and that the content of their papers in English would be derived, at least in considerable part, from the work in those courses. During Semester I, planning conferences were held by the teaching staff involved under the direction of Professor Parish, who headed the whole program. At Registration for Semester II it was found to be impossible to secure sixty-nine students in the College of Business Administration who could enroll in all three classes. Total enrollment in English 6AB, this experimental section, was fifty-two, of which thirty-four were taking Government 52. The final report in English 6A written by these students was based upon a problem designed by Professor Allan R. Richards, who, incidentally taught Government 52 in a large experimental

section. It may be mentioned in passing that Professor Wicker and Professor Richards each taught an additional small section of their respective courses as a control for testing. Professor Benedetti was in charge of testing and evaluating the program. The final reports written by those students in both English 64 and Government 52 were graded in both courses.

It is true that not all the planned features of this experimental program could be carried out, but everyone concerned agrees that the results were sufficiently satisfactory to warrant a repetition of the experiment in 1957-58. There will, however, be no appropriation for this purpose by the Ford Foundation. Steps have already been taken not only to repeat this program but perhaps to extend it.

On May 29 ten Hungarian students completed satisfactorily an intensive English language and orientation course, under the directorship of Jane Kluckhohn, aided by Fred Christ, Sonya Rosenzweig and Clifford Wood. The twelve-week program, sponsored by the Institute of International Education and the University of New Mexico, consisted of eighteen hours weekly of instruction, laboratory drill, and activities designed for the practice of English and an introduction to American life. Laboratory facilities were provided by the Department of Modern Languages. Co-operation of students, and community contributed materially to the success of this program.

2. Significant Plans and Recommendations for the Future.

Under the guidance of Joseph Kunts, who will be Acting Director of Freshman English, 1957-58, a committee will study the freshman program and will make recommendations to the Chairman.

3. Appointments to Staff.

Hoyt Trowbridge, of the University of Oregon, was appointed Professor and Chairman of the Department of English. Professor Trowbridge will assume the duties of his office in the fall of 1957. John Lauber was appointed an instructor in the fall of 1956. William Peden, of the University of Missouri, and Macha L. Rosenthal, of New York University, were visiting professors during the summer session of 1956. Mr. Peden continued as visiting professor, Semester 1, 1956-57.

4. Separations From Staff.

Assistant Professor Ethel Fleming will retire at the end of the summer session, 1957. She will be remembered and honored among her colleagues and students for her devotion to teaching. William P. Albrecht announced his resignation from the staff, effective on July 1 of 1957, to become chairman of the English department at the University of Kansas. Edward Lueders will leave after the summer session to teach at Long Beach State College.

5. Publications

ALBRECHT, W. P. "Hazlitt's Preference for Tragedy," EMLA, LXXI (December 1956), 1042-51.

_____. Review of "The Court of Venus," ed. R. A. Fraser, Western Humanities Review, I (Summer 1956), 296-97.

ARMS, GEORGE. Toward Liberal Education, Introduction to Literature, Readings for Liberal Education, and Manual of Suggestions for Teachers. Third edition. New York: Rinehart & Company, 1957. With L. G. Locke and W. M. Gibson.

_____. Houelle's Prefaces to Contemporaries. Gainesville, Florida: Scholar's Facsimiles and Reprints, 1957. Scheduled. Edited with F. C. Marston and W. M. Gibson.

_____. Review of Wagenknecht's "Longfellow," American Literature, November, 1956. Summary notes for QCC, December 1956.

BAUGHMAN, ERNEST W. "Eels Boiled in Broc" or What Killed Lord Randal?" The News Bulletin of the RWMLA, I (May 1957), 3.

_____. Review of James Reynolds, "Ghosts in American Houses," Journal of American Folklore, LXX (January-March 1957), 82-3.

_____. Review of Alta and Austin Fife, "Saints of Sage and Saddle," Midwest Folklore, Summer 1957, scheduled.

FREEDMAN, MORRIS. "All for Love and Samson Agonistes," Notes and Queries, III, No. 12, New Series (December 1956), 514-517.

_____. "The Moral Seriousness of Bernard Shaw," RWMLA News Bulletin, Fall 1956, pp. 2-3.

_____. "Dryden's Miniature Epic: The Influence of Paradise Lost and Paradise Regained on Absalom and Achitophel," Journal of English and Germanic Philology, scheduled.

_____. "Big City Exodus," The New Republic, scheduled.

GOLDBERG, MILTON A. Review of Sarah Scott's "A Description of Millenium Hall," M.L.N., LXXI (1956), 544-545.

_____. "Keats' Endymion," The Explicator, XV (1957), No. 49.

_____. "The Language of Art and Reality: A Study of Eighteenth-Century Hill Poems," Boston University Studies in English, scheduled.

_____. "Sources and Analogues as Critical Method," Essays in Criticism, scheduled.

_____. "'Things' and Values in Henry James's Universe," Western Humanities Review, scheduled.

_____. "Moral and Myth in Mrs. Shelley's Frankenstein," Keats-Shelley Journal, scheduled.

JACOBS, WILLIS D. English translation of The Villa Julietta by Ramón Sender, scheduled.

_____. English translation of Violent Griffin by Ramón Sender, scheduled.

_____. "The Moderate Poetical Success of Stephen Spender," College English, XVII, No. 7 (April 1956), 374-378.

_____. "The Paragon Complex," College English Critic, XIX, No. 2, (February 1957), p. 6.

KLUCKHOHN, JANE. English as a Second Language With Special Applications For Hungarians, with six co-authors from American Language Center. New York: Rinehart and Company, 1957. About 300 pp. June, 1957, scheduled.

KUNTZ, JOSEPH M. "Checklist of Explication (1955)," The Explicator, XIV (June 1956), 19 pp. Contributing Editor.

LUEDERS, EDWARD G. Review of "The Encyclopedia of Jazz," New Mexico Quarterly, XXVI (Spring 1956), 105-8.

_____. Review of Andre Hodeir, "Jazz: Its Evolution and Essence," Western Humanities Review, X (Summer 1956), 295-6.

_____. "The Grammarian's Renaissance," review of Donald J. Lloyd and Harry R. Warfel, "American English in Its Cultural Setting" and Paul Roberts, "Patterns of English," New Mexico Quarterly, scheduled for next issue.

PEARCE, THOMAS MATTHEWS. "They Tell Us About the Old Days," Ephantorams, 250th Anniversary of Albuquerque, Albuquerque: Chamber of Commerce, July 1956, pp. 73-75.

_____. Review of "Dictionary of American Maxims," ed., David King Mary Reifer, "Dictionary of New Words"; J. T. Ripley, "Dictionary of Early English"; Katherine S. Dehl, "Religions, Mythologies, Folklore," Western Folklore, XV (October 1956) 294-295.

_____. "Albuquerque Reconsidered," Western Folklore, scheduled for July 1957.

_____. "Evidence for Dating Marlowe's Tragedie of Dido," Karl Holzmecht Memorial Volume, edited by Oscar Cargill and Josephine Jeters Bennett. Scheduled.

TEDLOCK, E. W., JR. Steinbeck and His Critics: A Record of 25 Years, edited with G. V. Wicker, Albuquerque, University of New Mexico Press, 1957.

WICKER, G. V. Steinbeck and His Critics: A Record of 25 Years, edited with E. W. Tedlock, Jr., Albuquerque, University of New Mexico Press, 1957.

6. Completed Research Projects.

W. D. Jacobs

Articles: "The Co-ed, Bless Her" and "A Word Heard for Folkdom."
Short Stories: "The Year," "The Cage," and "Treason in English 1."

7. Outside-Sponsored Research.

None

8. Other Professional Activities.

William P. Albrecht

Acting Chairman, Department of English, Semester I, 1956-57.
Chairman, Library Committee, Semester I, 1956-57.

George Arms

Chairman, American Studies Committee, 1956-57. Co-editor of a series of Howells material to be published by New York University, beginning 1958.

Norton B. Crowell

Acting Chairman, Department of English, Semester II, 1956-57.
Chairman, Student Standards Committee
Technical writing consultant and instructor, Sandia Base, summer, 1956.

Morris Freedman

Lecture on "Socialism and Experimentalism in Modern Literature" before the humanities course of the Philosophy Department. Lecture on "The Seven Sins of Technical Writing" before the Society of Technical Writers. Lectures to Montgomery Elementary School on history of the English Language and on Daniel Defoe. Arranged for and administered ACF Industries Award for Technical Writing and the Society of Technical Writers for Technical Writing.

Milton Allan Goldberg

Chairman of the English Department Program Series

Jane Kluckhohn

Director of the English Language Program for Hungarian Students, February 20-June 1, 1957. Teacher, American Language Center, Columbia University, September 1956, to January, 1957. Consultant for the Bard Program for Hungarian Students, Bard College, January 3-5, 1957.

Joseph Kuntz

Contract with Alan Swallow, publisher, for a new edition of Poetry Explication: a Checklist.

E. W. Tedlock

Chairman, Committee for the D. H. Lawrence Fellowship Fund.

C. V. Wicker

Chairman, Prizes and Awards Committee. Panelist at annual meeting of English Teachers, Valley High School, May, 1957.

9. Activities in Learned and Professional Societies.

W. P. Albrecht

Chairman, English II (English after 1800), Rocky Mountain Modern Language Association.

George Arms

American Studies Association: Bibliography Committee, since 1954. Conference on College Composition and Communication: Editorial Board, 1956-59. National Council of Teachers of English: College Section Committee (elected), 1956-59. Rocky Mountain American Studies Association: Vice-President, 1957-58. Modern Language Association: "On Howells' Criticism in His Prefaces," Conference on Howells, December, 1956. Attended National Council of Teachers of English, November, 1956.

Ernest W. Baughman

American Association of University Professors: Acting Secretary, Semester I, 1956-57. New Mexico Folklore Society: Vice-President and Program Chairman, 1957, President, 1958.

Edith Buchanan

An address before the New Mexico Folklore Society, May 12, 1957. Secretary-Treasurer, Rocky Mountain Modern Language Association, 1957-58.

Norton B. Crowell

Phi Kappa Phi: Treasurer, 1956-57. "English under the Tidal Wave": paper read before the Rocky Mountain Modern Language Association, Missoula, Montana, November, 1956.

Sub-Chairman, Section on College Teaching, Rocky Mountain Modern Language Association, 1957-58.

Morris Freedman

"Milton and Dryden: Some Problems of Their Interrelationship," and "Sound and Sense in Faulkner's Prose", papers read before the Rocky Mountain Modern Language Association, October 19 and 20, 1956. "The Moral Seriousness of Bernard Shaw", paper read before the Modern Language Association, December 28, 1956.

Jane Kluckhohn

National Association of Foreign Student Advisers: chairman of Local Arrangements and of one workshop (English Language Section), Ninth Annual Conference on International Educational Exchanges, Albuquerque and Santa Fe, April 28-May 1, 1957. Institute of International Education Annual Conference, Chicago, December, 1956: panelist discussing "Orientation." NAFSA Board of Directors' Meetings, Chicago, 1956.

Joseph M. Kuntz

Editor, Rocky Mountain Modern Language Association Bulletin. Consultant, Regional Conference of High School and College Teachers of English, Albuquerque, May 11, 1957.

Juanita Smith Kytle

Television appearance, United Nations Week, 1956, with foreign students,

Thomas Matthews Pearce

"Three Rocky Mountain Isoglosses: park, sugar, and plaza": paper read in Section 13, Present Day English, Modern Language Association, Washington, D. C., December 28, 1956. Nominating Committee, English Section 13, Modern Language Association; Third Vice-President, American Name Society; Vice-President, Rocky Mountain American Studies Association.

Dane F. Smith

Vice-President, American Association of University Professors.

10. Important Study and Travel.

None.

11. Gifts.

None.

The Report of the Division of Geography
July 1, 1956 - June 30, 1957
B. LeRoy Gordon, Assistant Professor of Geography

1. Significant achievements during the academic year, 1956-57.
The Geography Division is being moved from building T 10-1 to more suitable quarters in the east wing of Marron Hall.
2. Significant plans and recommendations for the near future.
The Geography Division plans to request the addition of a staff member for the academic year 1958-59 thereby making significant improvement in the geography program possible.
9. Activities in learned and professional societies.
B.L.Gordon became Secretary-Treasurer of The Rocky Mountain Council for Latin American Studies at the Council's meeting in Lubbock, Texas held April 4-6, 1957.
10. Important study and travel.
B.L.Gordon spent the summer of 1956 in Panama and Costa Rica studying the geography of that area.

The Report of the Department of Geology
 July 1, 1956--June 30, 1957
 Stuart A. Northrop, Chairman

1. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1956-57.

(a) Changes in Curriculum.

One new course, Geology 114L, Micropaleontology, 3 hours, was offered for the first time. Two old courses, Geology 117, Preparation of Geologic Reports, 1 hour, and Geology 119L, Field Geology, 3 hours, have been combined into a single 4-hour course, to be known next year as Geology 119L, Field Geology and Reports. (This course is required of all B. S. majors, but not of B. A. majors.)

(b) National Ranking in Number of Graduates.

A survey made in April, 1956 by the American Geological Institute, operating under the National Research Council, shows that only 17 schools in the United States granted more bachelor's degrees in geology last June than the University of New Mexico. Only 22 schools granted more master's degrees than we did. See Exhibit A.

A study of the American Geological Institute's directory, Departments of Geological Sciences in the Educational Institutions of the United States and Canada, reveals that our Department of Geology has ranked 64th in size of staff in the United States for the past several years. See Exhibit B. The average size of staff of the geology departments of the 17 schools granting more bachelor's degrees in geology last June than the University of New Mexico is 11 faculty members. We had only 5 faculty members up to this year. The addition of one staff member this year and another next year

will bring our staff up to 7--still far below the average for schools turning out as many graduates as we do.

(c) The Geology Museum.

The Geology Museum has a double function: it is designed primarily to supplement the instructional program and secondarily to serve the general public. A good museum is not only an effective adjunct to teaching but is also an institution of community service.

The Museum has neither a separate staff nor a budget of its own. The various curatorial duties, including the research involved in the identification of minerals, rocks, ores, and fossils, the cataloguing of specimens, the preparation of labels, and the installation of exhibits, are all carried on by staff members in addition to their normal teaching programs and research activities.

Only a few exhibits of vertebrate material have been installed during the past year. One of these consists of two molar teeth of the American mastodon, found by Nicoll Durrie in the Sandia Mountains at an elevation of 8470 feet--probably an altitude record for the species in the United States. For purposes of comparison, a molar tooth of a woolly mammoth from Alaska is exhibited alongside the mastodon teeth.

The Museum continues to be visited by an ever-increasing number of persons, especially prospectors, amateur mineral collectors, rockhounds, and grade-school children, the last generally in class groups accompanied by their teachers.

2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

In our reports for the periods January 1, 1953--June 30, 1954, July 1, 1954--June 30, 1955, and July 1, 1955--June 30, 1956, we

expressed hope that we might be able soon to embark on the Ph.D. program. Next year we expect to present this proposal to the Graduate Committee and the Faculty. Further increases in staff, especially for a teaching assistant and several additional graduate assistants may be contemplated in the near future. By September, 1958, we should add a technician-preparator.

3. APPOINTMENTS TO STAFF.

Roger Y. Anderson, as Instructor, September, 1956.

Wolfgang E. Elston, as Assistant Professor, September, 1957.

4. SEPARATIONS FROM STAFF.

None.

5. PUBLICATIONS.

(a) Books and Monographs.

ROSENZWEIG, ABRAHAM (Compiler and editor). Guidebook of Southeastern Sangre de Cristo Mountains, New Mexico. Albuquerque: New Mexico Geological Society, Seventh Field Conference, October 19-21, 1956. 151 p.

WENGERD, SHERMAN A. Manual of Air Photogrammetry. Albuquerque: University of New Mexico Department of Geology, 1956. 34 p. (Reproduced by Ditto.)

(b) Articles.

FITZSIMMONS, J. PAUL. "Arroyo Peñasco Formation, Mississippian, North-Central New Mexico," American Association of Petroleum Geologists Bulletin, XL (August 1956), 1935-1944.

KELLEY, VINCENT C. "Influence of Regional Structure and Tectonic History upon the Origin and Distribution of Uranium on the Colorado Plateau," U. S. Geological Survey Professional Paper 300 (June 1956), 171-178.

-----, "The Rio Grande Depression from Taos to Santa Fe," in Guidebook of Southeastern Sangre de Cristo Mountains, New Mexico. New Mexico Geological Society, Seventh Field Conference (October 19-21, 1956), 109-114.

-----, "Definition and Analysis of Bed Thickness" (Abstract), Geological Society of America Bulletin, LXVII (December 1956), 1797.

- "Thickness of Strata," Journal of Sedimentary Petrology, XXVI (December 1956), 289-300.
- NORTHROP, STUART A. (with R. L. Griggs). "Stratigraphy of the Plains Area Adjacent to the Sangre de Cristo Mountains, New Mexico," in Guidebook of Southeastern Sangre de Cristo Mountains, New Mexico, New Mexico Geological Society, Seventh Field Conference (October 19-21, 1956), 134-138.
- ROSENZWEIG, ABRAHAM. "Introduction," in Guidebook of Southeastern Sangre de Cristo Mountains, New Mexico, New Mexico Geological Society, Seventh Field Conference (October 19-21, 1956), 13-14.
- WENGERD, SHERMAN A. "Paradox Oil in the Four Corners Region," Oil and Gas Journal, LIV (September 24, 1956), 106-111.

6. COMPLETED RESEARCH PROJECTS.

- R. Y. Anderson
Preparation of a key to the identification of smaller Foraminifera. Studies in ethnopalynology of cave deposits and development of reference collections. Development of reference collections of Cenozoic pollen and spores.
- J. P. Fitzsimmons
Vesiculation in lavas. Interference phenomena in prismatic sections of uniaxial minerals.
- V. C. Kelley
Geology of the San Mateo dome, McKinley County, New Mexico. Fracture systems of the Colorado Plateau. Geology and tectonic history of the western San Juan Mountains, Colorado.
- S. A. Northrop
Typing manuscript of revised edition of Minerals of New Mexico.
- A. Rosenzweig
Studies of minerals from the Hansonburg district, Socorro County, New Mexico.
- S. A. Wengerd
Origin and habitat of oil in the San Juan Basin, New Mexico and Colorado. Graphic scale determination on oblique air photographs. Pennsylvanian system of the Four Corners region. Raised strand features of the Guaymas region, Sonora, Mexico. Carbonate sediments of Majuro Atoll, Marshall Islands. Pinkerton Trail and Molas formations of the Four Corners region.

7. OUTSIDE-SPONSORED RESEARCH.

None.

8. OTHER PROFESSIONAL ACTIVITIES.

R. Y. Anderson

Micropaleontological consultant for Geo-Log Co., Farmington, New Mexico. Gave lecture, "Biogeo-chemical Prospecting for Uranium," Sigma Gamma Epsilon and Geology Club. Gave talk, "A Geologist Looks at Religion," United Student Christian Fellowship. Identification of fossils for the public.

J. P. Fitzsimmons

Gave lecture, "Geology of New Mexico," P. T. A., Mesa School. Faculty sponsor, Beta Mu chapter, Sigma Gamma Epsilon (geology honorary). Leader, Sigma Gamma Epsilon field trip, April, 1957, to Four Corners region. Identification of rocks for the public.

V. C. Kelley

Grand Vice President, Sigma Gamma Epsilon, and Representative of eleven Western States. Made official visitations for Sigma Gamma Epsilon at the University of Arizona, San Diego State University, University of Redlands, and the New Mexico Institute of Mining and Technology. Geologist, w.a.e., U. S. Geological Survey. Identification of minerals and rocks for the public.

S. A. Northrop

Gave lecture, "Fossils and Uranium--the Geologist's Clocks," Ohio State Alumni Association, with follow-up tour of the Geology Museum, March, 1957. Geologist, w.a.e., U. S. Geological Survey. State Collaborator in Seismology, Seismological Field Survey, U. S. Coast and Geodetic Survey. Identification of fossils for the public.

A. Rosenzweig

Gave lecture, "The Chemical Composition of Crystals," Albuquerque Gem and Mineral Club, November, 1956. Gave lecture, "Impure Minerals," Santa Fe Gem and Mineral Club, April, 1957. Identification of minerals for the public.

S. A. Wengerd

Gave lecture, "Geology of the Barrance de Cobre, Chihuahua, Mexico," Naval Res. Res. Company 8-7, December, 1956. Gave same lecture to Sigma Gamma Epsilon and Geology Club, January, 1957. Naval historian, Nav. Res. Res. Company 8-7. Research contract, El Paso Natural Gas Company, summer, 1956 (resulted in discovery of a new Paradox gas-condensate field).

9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

(a) National and Regional Offices Held, Committees, Etc.

J. P. Fitzsimmons

Treasurer, New Mexico Geological Society, 1955-1957.

V. C. Kelley

Member, Nominating Committee, U. N. M. Chapter, The Society of the Sigma Xi. Member, Nominating Committee, Rocky Mountain Section, Geological Society of America.

S. A. Wengerd

Editor, American Association of Petroleum Geologists Bulletin, April, 1957--. Member, Publications Committee, A. A. P. G. Member, Executive Committee, A. A. P. G. Member, Stratigraphic Committee, Four Corners Geological Society. Secretary, New Mexico Geological Society. Member, Program Committee, U. N. M. Chapter, The Society of the Sigma Xi. Moderator, Rocky Mountain Section, American Association of Petroleum Geologists Meeting, Salt Lake City, Utah, Feb. 25-27, 1957. Program Chairman and Moderator, Society of Economic Paleontologists and Mineralogists, St. Louis, Missouri, April 1-4, 1957.

(b) Professional Papers Read.

R. Y. Anderson

"Cenozoic Climatic Changes in Southwestern North America," Arizona Academy of Science, Tucson, Arizona, May, 1957.

Jerry Harbour (Graduate Student)

"Microstratigraphic and Sedimentational Studies of an Early-Man Site near Lucy, New Mexico," New Mexico Geological Society, Annual Meeting, Socorro, New Mexico, May 4, 1957.

V. C. Kelley

"Unfolding," Rocky Mountain Section, Geological Society of America, Rocky Mountain Section Meeting, Logan, Utah, May 10, 1957.

Donald Rawson (Graduate Student)

"Geology of the Tecolote Hills, Lincoln County, New Mexico," New Mexico Geological Society, Annual Meeting, Socorro, New Mexico, May 4, 1957.

Abraham Rosenzweig

"The Chemical Composition of Crystals," U. N. M. Chapter, The Society of the Sigma Xi, Albuquerque, November, 1956.
"The Geochemistry of the Feldspars," Los Alamos Chapter, American Chemical Society, Los Alamos, New Mexico, March, 1957.

S. A. Wengerd

"Relation of Paradox Oil Accumulation to Stratigraphy in Southeastern Utah," I. A. P. G., Fisher Towers, Utah, June 29, 1956. "Sedimentation on the Southwest Shelf of the Paradox Basin," to the following groups: A. P. I., San Juan Section, Farmington, New Mexico, Jan. 28, 1957; Grand Junction Geological Society, Jan. 29, 1957; Albuquerque Geologists Club, Feb. 19, 1957; A. I. M. E., Moab Section, Moab, Utah, Feb. 23, 1957; Fort Worth Geological Society, March 29, 1957.

10. IMPORTANT STUDY AND TRAVEL.

None.

11. GIFTS.

The Critchell Parsons Scholarships in Geology: \$800. Two scholarships (one senior and one graduate) from Critchell Parsons.
 New Mexico Geological Society Grants-in-Aid of Research: a total of \$306.25 from the New Mexico Geological Society as grants-in-aid of research to three students (all for master's thesis projects).
 A small library of micropaleontologic literature from Mrs. Donald A. Powell, of Santa Fe, New Mexico.
 Specimens of minerals from the Hansonburg district of Socorro County were donated by the following: J. L. Albright, E. C. Anderson, Mrs. Blanchard, E. D. Kaye, Max C. Linn, and W. H. Wright. A suite of minerals was collected here by A. Rosenzweig. Miscellaneous minerals from other localities were donated by J. L. Albright, Homer Hastings, Max C. Linn, and W. H. Wright.
 Specimens of fossil plants, invertebrates, and vertebrates were donated as follows: leaves and insects from Florissant, Colorado, by Peggy L. Carter and Sidney R. Ash; silicified wood bearing a uranium mineral, by William J. Curtis and J. L. Kunkler; a collection of crinoids and trilobites from Cedro Canyon, by Marjory Sedmina and Wood Erskine, Jr.; a large coral, by William F. Ramalho; a number of fossils, by Hans Engel; fossil bones, by W. L. Chenoweth; a collection of Ordovician fossils from Tennessee, by W. E. Salter; Foraminifera from Florida, by Mrs. Zoe Singer; sea shells, by Wilfred D. Roden; molar tooth of a mastodon, by Nicoll Durrie.

Exhibit A

INSTITUTIONS IN THE UNITED STATES RANKED ACCORDING TO THE
NUMBER OF BACHELOR'S DEGREES IN GEOLOGY GRANTED JUNE, 1956

<u>Rank</u>	<u>No. of Degrees</u>	<u>Rank</u>	<u>No. of Degrees</u>
1. Univ. Oklahoma	102	41. Hardin-Simmons Univ.	15
2. Univ. Texas	95	42. Univ. Houston	15
3. U. C. L. A.	56	43. Texas Christian Univ.	15
4. Texas A. & M. Coll.	50	44. American Univ.	14
5. Univ. Wisconsin	49	45. Berea Coll.	14
6. Louisiana State Univ.	47	46. Southern Illinois Univ.	14
7. Univ. Colorado	42	47. Univ. Tulsa	14
8. Colorado School Mines	40	48. Yale Univ.	14
9. Ohio State Univ.	40	49. Colgate Univ.	13
10. Texas Tech. Coll.	40	50. Univ. Minn.-Duluth	13
11. Oklahoma A. & M. Coll.	38	51. Tulane Univ.	13
12. Dartmouth Coll.	37	52. Washington U.-St. Louis	13
13. Univ. Calif.-Berkeley	35	53. Florida State Univ.	12
14. Southwestern La. Inst.	33	54. Lehigh Univ.	12
15. Miss. Southern Coll.	31	55. Univ. Massachusetts	12
16. Univ. Michigan	30	56. Univ. Mississippi	12
17. Univ. Kansas	29	57. Montana State Univ.	12
18. UNIV. NEW MEXICO	28	58. Univ. New Hampshire	12
19. Univ. Wichita	26	59. Rensselaer Poly. Inst.	12
20. Brigham Young Univ.	25	60. Southern Methodist U.	12
21. Brooklyn Coll.	25	61. Brown Univ.	11
22. Univ. Nebraska	25	62. Centenary Coll.	11
23. Univ. Wyoming	25	63. Univ. Idaho	11
24. Kansas State Coll.	24	64. State Univ. Iowa	11
25. Michigan State Coll.	23	65. Univ. Kentucky	11
26. Univ. Minnesota	22	66. N. E. La. State Coll.	11
27. Columbia Univ.	21	67. Ohio Univ.	11
28. Hunter Coll.	21	68. Rutgers Univ.	11
29. Univ. Missouri	21	69. Washington & Lee Univ.	11
30. Texas Western Coll.	21	70. Lamar St. Coll. Tech.	10
31. Baylor Univ.	20	71. Midwestern Univ.	10
32. Univ. Arkansas	18	72. N. Ill. St. T. Coll.	10
33. Univ. Illinois	18	73. Penn. State Univ.	10
34. Indiana Univ.	18	74. Univ. Pittsburgh	10
35. Williams Coll.	18	75. Princeton Univ.	10
36. Colorado Coll.	17	76. South Dakota Sch. Mines	10
37. Harvard Univ.	17	77. Univ. Buffalo	9
38. Univ. Arizona	15	78. Calif. Inst. Tech.	9
39. Augustana Coll.	15	79. Univ. Cincinnati	9
40. Univ. Connecticut	15	80. Cornell Univ.	9

Bachelor's Degrees in Geology--continued.

<u>Rank</u>	<u>No. of Degrees</u>	<u>Rank</u>	<u>No. of Degrees</u>
81. Franklin & Marshall C.	9	101. Allegheny Coll.	7
82. Marietta Coll.	9	102. Fresno State Coll.	7
83. St. Joseph's C. (Ind.)	9	103. Louisiana Poly. Inst.	7
84. Univ. Utah	9	104. Univ. Maine	7
85. V. P. I.	9	105. Univ. Nevada	7
86. Boston Univ.	8	106. Univ. North Carolina	7
87. Univ. Chicago	8	107. Univ. Notre Dame	7
88. Hofstra Coll.	8	108. Oklahoma City Univ.	7
89. Iowa State Coll.	8	109. Univ. Oregon	7
90. Kent State Univ.	8	110. Univ. Redlands	7
91. Millsaps Coll.	8	111. Simpson Coll.	7
92. C. C. N. Y.	8	112. West Virginia Univ.	7
93. Oregon State Coll.	8	113. Arizona State Coll.	6
94. Coll. Puget Sound	8	114. Bryn Mawr Coll.	6
95. Rice Institute	8	115. Cornell Coll. (Iowa)	6
96. Syracuse Univ.	8	116. Univ. Georgia	6
97. Tufts Coll.	8	117. Lafayette Coll.	6
98. Univ. Washington-Seattle	8	118. M. I. T.	6
99. Coll. Wooster	8	119. Northwestern Univ.	6
100. Univ. Alaska	7	120. Western Reserve Univ.	6
		121. Whittier Coll.	6

(and 68 more schools with 1 to 5 bachelor's degrees each)

INSTITUTIONS IN THE UNITED STATES RANKED ACCORDING TO THE NUMBER OF MASTER'S DEGREES IN GEOLOGY GRANTED JUNE, 1956

<u>Rank</u>	<u>No. of Degrees</u>	<u>Rank</u>	<u>No. of Degrees</u>
1. Univ. Oklahoma	33	26. Boston Univ.	7
2. Univ. Texas	26	27. Univ. Chicago	7
3. Univ. Michigan	18	28. M. I. T.	7
4. Univ. Wisconsin	16	29. Univ. Pittsburgh	7
5. Univ. Calif.-Berkeley	15	30. Univ. Arkansas	6
6. Univ. Illinois	15	31. Kansas State Coll.	6
7. Univ. Colorado	14	32. Northwestern Univ.	6
8. Harvard Univ.	12	33. Univ. Rochester	6
9. Univ. Kansas	12	34. Southern Methodist U.	6
10. Univ. Minnesota	12	35. Texas A. & M. Coll.	6
11. Univ. Wyoming	12	36. Texas Tech. Coll.	6
12. Univ. Missouri	11	37. Univ. Utah	6
13. Emory Univ.	10	38. Washington U.-St. Louis	6
14. Louisiana State Univ.	10	39. Univ. Cincinnati	5
15. Univ. Nebraska	10	40. Florida State Univ.	5
16. Univ. Oregon	10	41. Oregon State Coll.	5
17. Univ. Arizona	9	42. Univ. Washington-Seattle	5
18. Columbia Univ.	9	43. Wayne Univ.	5
19. Indiana Univ.	9	44. West Virginia Univ.	5
20. Univ. Kentucky	9	45. Calif. Inst. Tech.	4
21. Ohio State Univ.	9	46. Iowa State Coll.	4
22. Syracuse Univ.	9	47. Penn. State Univ.	4
23. UNIV. NEW MEXICO	8	48. U. S. C.	4
24. Brigham Young Univ.	8		
25. Univ. Tennessee	8		

(and 24 more schools with 1 to 3 master's degrees each)

Exhibit B

GEOLOGY DEPARTMENTS OF THE UNITED STATES RANKED ACCORDING TO SIZE OF STAFF

(Based on 1956-57 Directory published by American Geological Institute.)

Note that with 6 faculty members, the University of New Mexico ranks 4th in the U. S. as to size of staff.

According to the number of graduating senior geology majors, U. N. M. last year ranked 18th in the U. S.

<u>Rank</u>	<u>No. on Staff</u>	<u>Rank</u>	<u>No. on Staff</u>
1	22	31. Univ. Washington	10
2	22	32. Univ. Arizona	9
3	22	33. Univ. Nebraska	9
4	21	34. C. C. N. Y.	9
5	20	35. Univ. Southern Calif.	9
6	20	36. Univ. Utah	9
7	20	37. Brigham Young Univ.	8
8	19	38. Univ. Georgia	8
9	19	39. Hunter Coll.	8
10	17	40. Univ. Minnesota	8
11	17	41. U. Missouri Sch. Mines (Rolla)	8
12	17	42. Univ. North Carolina	8
13	15	43. Oregon St. Coll.	8
14	14	44. San Jose St. Coll.	8
15	14	45. Univ. South Carolina	8
16	14	46. Washington Univ. (St. Louis)	8
17	13	47. Univ. Alabama	7
18	13	48. Univ. Cincinnati	7
19	13	49. Cornell Univ.	7
20	13	50. Johns Hopkins Univ.	7
21	13	51. Univ. Kentucky	7
22	13	52. La. Poly. Inst.	7
23	12	53. Miami Univ. (Ohio)	7
24	12	54. Mich. St. Coll.	7
25	12	55. N. Y. U.	7
26	11	56. Northwestern Univ.	7
27	11	57. Oklahoma A. & M. Coll.	7
28	10	58. Univ Oregon	7
29	10	59. Univ Pittsburgh	7
30	10	60. Rensselaer Poly. Inst.	7

<u>Rank</u>	<u>No. on Staff</u>	<u>Rank</u>	<u>No. on Staff</u>
1. S. W. La. Inst.	7	101. Franklin & Marshall Coll.	4
2. Wayne St. Univ.	7	102. Fresno St. Coll.	4
3. Univ. Wyoming	7	103. Univ. Idaho	4
4. UNIV. NEW MEXICO	6	104. Univ. Kansas City	4
5. Centenary Coll.	6	105. Univ. Maine	4
6. Dartmouth Coll.	6	106. Middlebury Coll.	4
7. State Univ. Iowa	6	107. Univ. Mississippi	4
8. Univ. Mass.	6	108. Montana Sch. Mines	4
9. Mich. Coll. Min. Tech.	6	109. Mount Holyoke Coll.	4
10. Univ. Nevada Sch. Mines	6	110. Univ. North Dakota	4
11. Rutgers Univ.	6	111. Ohio Wesleyan Univ.	4
12. Univ. Tulsa	6	112. Pomona Coll.	4
13. Virginia Poly. Inst.	6	113. Rice Institute	4
14. West Virginia Univ.	6	114. Univ. Rochester	4
15. Baylor Univ.	5	115. South Dakota Sch. Mines	4
16. Boston Univ.	5	116. Univ. South Dakota	4
17. Univ. Calif. (Santa Barbara)	5	117. Texas Christian Univ.	4
18. Emory Univ.	5	118. Texas Western Coll.	4
19. Florida St. Univ.	5	119. Univ. Virginia	4
20. Univ. Florida	5	120. Washington State Coll.	4
1. Hofstra Coll.	5	121. Univ. Wichita	4
2. Iowa State Coll.	5	122. Williams College	4
3. Lafayette Coll.	5	123. Univ. Alaska	3
4. Lamar St. Coll. Tech.	5	124. Augustana Coll.	3
5. Lehigh Univ.	5	125. Berea Coll.	3
6. Miss. State Coll.	5	126. Bowling Green St. U.	3
7. Montana St. Univ.	5	127. Brown Univ.	3
8. Univ. New Hampshire	5	128. Univ. Calif. (Riverside)	3
9. N. Ill. State Coll.	5	129. Carleton Coll.	3
10. Univ. Notre Dame	5	130. Colby Coll.	3
1. Ohio Univ. (Athens)	5	131. Colgate Univ.	3
2. Smith Coll.	5	132. Univ. Dayton	3
3. Southern Methodist Univ.	5	133. De Pauw Univ.	3
4. Syracuse Univ.	5	134. Duke Univ.	3
5. Amherst Coll.	4	135. Kent State Univ.	3
6. Univ. Arkansas	4	136. Macalester Coll.	3
7. Bryn Mawr Coll.	4	137. Univ. Minnesota (Duluth)	3
8. Univ. Buffalo	4	138. Miss. Southern Coll.	3
9. Colorado Coll.	4	139. N. Car. St. Coll. Agr. & E.	3
10. Univ. Connecticut	4	140. Oberlin Coll.	3

<u>Rank</u>	<u>No. on Staff</u>	<u>Rank</u>	<u>No. on Staff</u>
41. Univ. Penn.	3	151. Utah St. Agr. Coll.	3
42. Coll. Puget Sound	3	152. Vanderbilt Univ.	3
43. St. Joseph's Coll. (Ind.)	3	153. Wellesley Coll.	3
44. St. Lawrence Univ.	3	154. Wesleyan Univ.	3
45. St. Louis Univ.	3	155. Wheaton Coll.	3
46. Southern Ill. Univ.	3	156. Wittenberg Coll.	3
47. Trinity Coll.	3	157. Coll. of Wooster	3
48. Tufts Univ.	3		
49. Tulane Univ.	3		
50. Upsala Coll.	3		
		And 29 with 2 each, and 18 with 1 each	
		<hr/>	
		Total = 204	

The Report of the Department of Government
July 1, 1956 - June 30, 1957
Howard J. McMurray, Chairman

1. Significant achievements during the academic year, 1956-57.

Nothing of departmental significance beyond the normal academic activities. For individual activities see items 5-10 below.

2. Significant plans and recommendations for the near future.

No changes in curricular offering are contemplated, and no addition to the staff is contemplated for at least 1956-58.

3. Appointments to staff.

No changes in permanent staff are contemplated for 1957-58. Professor Cline, absent on leave since February 1955, returned in February 1957. Professor McMurray, on leave since February 1956, also returned in February 1957. Professor Judah, absent on leave second semester 1956-57 will return in September 1957.

4. Separations from staff.

There have been no permanent separations. Visiting Professor, Leon O. Wolcott finishes his assignment in June 1957.

5. Publications.

(a) Books and monographs.

CLINE, DOROTHY I. (Editor), Report of the Governor's Conference on Recreation. Santa Fe: Department of Education, March, 1956.

IRION, FREDERICK C. (Editor), Public Assistance and Social Service in New Mexico. Santa Fe: Welfare Investigating Committee of the State of New Mexico, 1957.

IRION, FREDERICK C. and Charles B. Judah. The 47th State: An Appraisal of Its Government. Albuquerque: Division of Government Research, 1956. 64 p. (Participants' and final editions.)

JUDAH, CHARLES B. and Frederick C. Irion. The 47th State: An Appraisal of Its Government. Albuquerque: Division of Government Research, 1956. 64 p. (Participants' and final editions.)

RICHARDS, ALLAN R. Science and State Government in New Mexico. Chapel Hill, N.C.: Institute for Research in Social Science, University of North Carolina, 1956. 109 p.

RICHARDS, ALLAN R. (Editor), The 47th State: An Appraisal of Its Government. Albuquerque: Division of Government Research, 1956. 64 p. (Participants' and final editions.)

(b) Articles.

GLINE, DOROTHY I. "Recreation Boom in New Mexico." The Bulletin. (American Recreation Society) September, 1956.

GLINE, DOROTHY I. "Public Recreation Expands in New Mexico." Recreation. (National Recreation Association) September, 1956.

GLINE, DOROTHY I. "A Review of State Fitness Activities, 1956." The Journal of Health, Physical Education, Recreation. September, 1956.

GLINE, DOROTHY I. "State Coordinating Committee on School Health Moves Forward." New Mexico School Review. November, 1956.

GLINE, DOROTHY I. Section on Health, Physical Education, Recreation for the Twenty-third Biennial Report of the New Mexico Department of Education. 1955-56.

IRION, FREDERICK C. "To Plan or Not to Plan." New Mexico Quarterly. XXVI no. 2, Summer, 1956. pp. 179-185.

IRION, FREDERICK C. "The 1956 Election in New Mexico." Western Political Quarterly, March 1957.

IRION, FREDERICK C. "The Effect of Public Opinion on the Members of the Twentieth-Third New Mexico Legislature." Proceedings. (Will be published before June 1.

RICHARDS, ALLAN R. "Organization and Management for Public Welfare in New Mexico." Public Assistance and Social Service in New Mexico. Welfare Investigating Committee, 1957. pp. 40-56.

RICHARDS, ALLAN R. "The Welfare Investigating Committee: Its Recommendations and Its Reasons." New Mexico Tax Bulletin, December 1956, pp. 542-549.

RICHARDS, ALLAN R. "Pleas, Prejudices, and Practicality: Notes on the Reform of State Government." Western Political Quarterly.

(c) Reviews.

McMURRAY, HOWARD J. Review of Louis W. Koenig, "The Truman Administration: Its Principles and Practice," American Political Science Review, LI no. 1 (March 1957), pp. 244-245.

RICHARDS, ALLAN R. Review of DiLlard Stokes, "Social Security--Fact and Fancy." Western Political Quarterly, X no. 1 (March 1957) pp. 233-234.

RICHARDS, ALLAN R. Review of Margaret Greenfield, "Self-Support in Aid to Dependent Children: The California Experience," Western Political Quarterly, X no. 1 (March 1957) pp. 233-234.

6. Completed research projects.

In the summer of 1956, Professor Richards was Research Associate for the New Mexico Welfare Investigating Committee. As a result of this committee, a book entitled, Public Assistance and Social Service in New Mexico, was published in January, 1957, with Professor Irion as Editor.

7. Outside-sponsored research.

Professor Charles B. Judah has received grant from the Social Science Research Council in New York for study of the recruitment of candidates in New Mexico. It is a group project to study political recruitment in Oregon, New Mexico, Wisconsin, Minnesota, Maryland and Maine.

8. Other professional activities.

Dorothy I. Gline, while on leave from the University (January 1955 to January 1957) served as New Mexico State Director of Health, Recreation, and Welfare for the State Department of Education, Santa Fe.

Howard J. McMurray, member, of the Advisory Board on Departmental Reorganization for the City of Albuquerque.

Allan R. Richards, served as Technical Director of the New Mexico Assembly on State Government, sponsored by the Columbia University, held on the University campus in September, 1957. Professor Richards also was moderator for ten weeks of a radio program entitled, "Know Your Candidates."

In October of 1956, Professors Judah, Wolcott and Gline appeared on the University sponsored television program for a panel discussion of the New Mexico State Constitutional revision.

9. Activities in learned and professional societies.

Allan R. Richards, member of Publications Committee of the Western Political Science Association. Professor Richards is also President of the University of New Mexico Chapter of the American Association of University Professors and Vice-President of the State AAUP organization.

Howard J. McMurray, Vice-President of the Western Political Science Association, 1956-57. Professor McMurray is now President of the W.P.S.A. for the 1957-58 term.

10. Important Study and Travel

Professor McMurray visited Europe while on leave in 1956-57. Besides visiting major universities in Britain and on the continent, he

conferred with governmental officials in London, Brussels, Paris, Bonn and Amsterdam.

11. Gifts.

Several copies monthly of The Nation's Business, donated by various Albuquerque businesses. It is published by the U. S. Chamber of Commerce.

REPORT OF THE DEPARTMENT OF HISTORY

July 1, 1956 - June 30, 1957

William M. Dabney, Acting Chairman

1. Significant Achievements During the Academic Year 1956-57

The one significant change made in the offerings of History Department was the addition of History 165, Inter-American Relations: Relations among the American republics from 1810, with emphasis upon the Pan-American movement and the recent period. It carries three credit hours.

There was no change in the organization; Associate Professor William M. Dabney continued to serve as acting chairman of the department.

No change was made in the requirements for History majors or minors, or for graduate students.

Interdepartmental cooperation was demonstrated on several occasions: (a) lectures by Professors Longhurst and Russell in Humanities 1 and 2; (b) participation by Professor Smith in the interdepartmental seminar conducted by Professor Walter, American Studies 201; (c) Professor Scholes' participation in the work of the School of International Affairs.

The number of graduate assistants assigned to the department for the academic year 1956-57 was increased from five to six.

2. Significant Plans and Recommendations for the Biennium 1957-59

The Department of History will have a staff of eight faculty members in 1957-58, an increase of one over the previous academic year. This represents no expansion, however, since the department was short one staff member in 1956-57 because of the retirement of Professor Woodward on June 30, 1956. Of the eight, Professor Reeve serves half-time as editor of the New Mexico Historical Review; and Professor Scholes, as Research Professor of History, devotes somewhat more than half of his time to Historical Research.

The department recommends that the normal load for a full-time member be nine hours, with a six-hour load for the chairman. It is hoped that this change can be effected for the department of History along with the departments of Anthropology, Economics, Government, and Sociology. This could be accomplished and at the same time all of our courses could be scheduled sufficiently frequently to meet the needs of the University and the student body. It is the more justifiable for the History department in view of the large enrollments in many of the classes, the large student-credit-hour load judged by the size of the staff, and the small budget per student credit hours.

3. Appointments to Staff

Edwin Lieuwen, Ph.D. University of California; as associate professor and chairman of the department of History, effective first semester, 1957-58.

4. Separations from Staff

None.

5. Publications

(a) Books and monographs:

None

(b) Articles:

REEVE, Frank D.

"Early Navaho Geography," New Mexico Historical Review, 31:290-309 (October, 1956).

"Seventeenth Century Navaho-Spanish Relations," Ibid., 32:36-52 (January, 1957).

"New Mexico," The World Book, Chicago, Illinois, Field Enterprises, Inc., 1957.

"New Mexico," Britannica Book of the Year, 1957.

Editor, Comprehensive Index, New Mexico Historical Review, Vols. 16-30, Albuquerque, New Mexico, 1956.

RUSSELL, Josiah C.

"Tall Kings: The Height of Medieval English Kings," The Mississippi Quarterly, 1957, 29-41.

"The Problem of St. Patrick, the Missionary," Traditio 12, 1957.

SCHOLES, France V.

Documentos para la Historia del México Colonial, Vol.3, Mexico, 1957. Vol.4 in press. (With E.B.Adams).

(c) Reviews:

REEVE, Frank D.

New Mexico Historical Review: (July, 1956)

E. B. Mann and Fred E. Harvey, New Mexico: Land of Enchantment, East Lansing, Michigan State University Press, 1955.

On the Arkansas Route to California in 1849: The Journal of Robert E. Green of Lewisburg, Pennsylvania, edited by J. Orin Oliphant, Lewisburg, Pa., Bucknell University Press, 1955.

A Journey Through New Mexico's First Judicial District in 1864.... edited by William Swing Wallace, Los Angeles, Westernlore Press, 1956.

The Mississippi Valley Historical Review, September 1956, Ruth M. Underhill, The Navajos, Norman University of Oklahoma Press, 1956.

SMITH, George W.

Wisconsin Magazine of History, Belden's "So Fell the Angels," Winter 1957.

6. Completed Research Projects

DABNEY, William M.

"William Henry Drayton and the American Revolution"
(with Marion Dargan).

"Drayton and Laurens in the Continental Congress,"
accepted for publication in the South Carolina Magazine.

LONGHURST, John E.

Monographs:

Emperor Charles V and His Rivals, (with R.R. MacCurdy)

The Legend of Julian Hernandez, Protestant Martyr

Articles:

"Careless Words to a Stranger" Accepted for the
New Mexico Quarterly.

"Melchior Hoffman in Spain" Accepted for the Archiv
fuer Reformationsgeschichte.

"Ignatius Loyola at Alcalá, 1526-1527."

"Lutheranism and the Spanish Alumbrados."

7. Outside Sponsored Research

SMITH, George W.

Sandia Foundation Grant-in-Aid.

Social Science Research Council Grant-in-Aid.

8. Other Professional Activities

DABNEY, William M.

Participation in University of New Mexico television
program on the subject of Interposition.

Round table discussion: Alexander Hamilton, on campus.

REEVE, Frank D.

Participation in University of New Mexico television
program on the subject of Interposition.

Round table discussion: Alexander Hamilton, on campus.

Mescalero Land Claims Project--Historical Research.

SACKS, Benjamin

Ten lectures on Soviet Russia at Kirtland Air Base.

SCHOLES, France V.

Annual Research Lecture, University of New Mexico, May 3,
1957, "The Spanish Conqueror as Business Man."

SMITH, George W.

Participation in the University of New Mexico television
program on the subject of Segregation.

9. Activities in Learned and Professional Societies

DABNEY, William M.

Paper read at 1956 meeting of American Historical Association on "William Henry Drayton and Henry Laurens in the Continental Congress."

LONGHURST, John E.

Paper read at 1957 meeting, Central Renaissance Conference, Kansas State College, on "Lutheranism and the Spanish Alumbrados."

Attended meeting of American Historical Association, St. Louis, December 1956.

RUSSELL, Josiah

Elected to Council of the Mediaeval Academy of America, April 1957.

Attended meeting of the Association of American University Professors, New York, April 26-27. On national panel to assist Committee A.

SACKS, Benjamin

Member of Council of Pacific Coast Branch of American Historical Association.

SCHOLES, France V.

Attended meeting of American Historical Association, St. Louis, December 1956.

10. Important Study and Travel

DABNEY, William M.

Research at Library of Congress and National Archives, August--September 1956.

RUSSELL, Josiah

August 1956, use of libraries in Cambridge and Boston, New York, Princeton, and Washington.

Christmas vacation 1956, use of library at St. Louis University.

Easter vacation, 1957, use of libraries at Harvard and New York.

SACKS, Benjamin

Engaged in research in Washington, D. C., summer 1956.

SCHOLES, France V.

Research in Mexican Archives, Mexican history during first half-century after the Spanish conquest.

SMITH, George W.

Sabbatical leave second semester 1956-57 for research in "Social History of the North at War, 1861-1865" and "Americans in the Madeira Wine Trade."

11. Scholastic Honors

SCHOLES, France V.

Serra Award of the Americas, Academy of American Franciscan History, December 1956.

Annual Research Lecture, University of New Mexico, May 3, 1957, "The Spanish Conqueror as Business Man."

12. Gifts

Several books to the Library.

The Report of the School of Inter-American Affairs
July 1, 1956 - June 30, 1957
Miguel Jorrín, Director

1. Achievements: Nothing important to report.
2. Plans and Recommendations:

We are planning to request a grant from the Creole Foundation to implement the following projects:

Project A. We hope to change the four Inter-American Scholarships for Latin American students from a tuition and fee grant into full scholarships. It is our experience that Latin American candidates cannot come here with a tuition scholarship only. The cost of this project will be approximately \$3,000.00 a year, and money for this purpose is available from the abovementioned foundation.

Project B. It is generally agreed by all professors of languages that the best way to acquire a full command of a language is by spending a year of study abroad. Our school, together with the Department of Modern Languages, is greatly interested in arranging such a program in our University. Our proximity to Mexico makes this country a natural area to which our students might go. I plan to discuss this project personally with the president of the foundation this summer.

Project C. The Creole Foundation is allocating a specific grant of \$1,500.00 for Schools of Inter-American Affairs all over the country. They have already included New Mexico on the list, and I have requested a grant for the purpose of purchas-

ing books and materials from Mexico, especially micro-films, to fill in some gaps in our library. I am working on this project in conjunction with Professor Scholes of the Department of History.

3. Appointments: None.

4. Separations: None

5. Publications:

(a) Books and monographs.

JORRIN, MIGUEL. Chapter on "Latin America" for the Yearbook of International Politics published by the Institut fur Europaische Politik und Wirtschaft, Frankfurt am Main, Germany, 1957.

(b) Articles.

JORRIN, MIGUEL. "Argentina", "Bolivia", "Brazil," "Chile," "Colombia," "Costa Rica," "Cuba," "Dominican Republic," "Ecuador," "El Salvador," "Guatemala," "Haiti," "Honduras," "Mexico," "Nicaragua," "Panama," "Paraguay," "Peru," "Portugal," "Spain," "Uruguay" and "Venezuela" for the New International 1957 Year Book, Funk & Wagnalls, New York, 1957.

JORRIN, MIGUEL. "The Thirty-Second Session of the Institute of World Affairs," New Mexico Quarterly, Volume I, 1956. 125-126.

(c) Reviews. None.

6. Completed research projects.

Accepted for publication and on page proofs already, there are a series of articles on International Law, Political Science and International Affairs for the Spanish edition of the Encyclopedia Britannica to be published June 20th.

7. Outside-sponsored research. None.

8. Other professional activities.

Consultant for the Spanish edition of the Encyclopedia Britannica.

9. Activities in learned and professional societies.

Attended conference and read paper for the Pacific Council for Latin American Studies at Los Angeles, California, October 1956.

Spent a month in Chicago advising and writing for the Spanish edition of the Encyclopedia Britannica July and August 1956, and did the same in February 1957.

Read paper for the Eighth Annual Meeting of the New Mexico Philosophical Society, May 4, 1957.

10. Important study and travel.

At present I am on sabbatical leave, writing a book on Modern Political Philosophy.

11. Gifts. None.

The Report of the Department of Journalism
July 1, 1956-June 30, 1957
Keen Rafferty, Chairman

Significant Achievements

The academic year saw improvement in the record of student credit-hour loads in the department. During the first semester, both journalism faculty members taught a section of English (Journalism) 64. During the second semester, one of the faculty members continued to teach a section of this course.

At the same time, the academic load of Professor Jermain was reduced from 12 to nine hours. This action resulted in a one-fourth reduction of his time charged to journalism. The other fourth of his time was devoted to business supervision of student publications, and salary for that fourth of his work was paid by the Board of Student Publications.

It should be noted that, although Professor Jermain has a one-fourth-time load, allotment as business supervisor of student publications, the position actually is about half-time in extent. He is responsible for details of a budget of about \$50,000 for student publications.

Significant Plans and Recommendations

Journalism faculty members can continue teaching English (Journalism) 64 next year. One professor each semester should teach a section of the course in 1957-1958. Continuation at this rate beyond 1957-58 would deny full use of the journalism curriculum to a group of students; one group already is being so denied.

It is probable therefore that further retirement from 64 should be accomplished with one offering of 64 in the nine months of the following year.

Thought should be given to restoration to the active journalism curriculum of the teaching of courses in the suspended Community Newspaper sequence. This has importance because of the rural nature of much of New Mexico's newspaper work and because of the importance of business aspects in all newspaper work. There have been continual inquiries about advertising courses from students and professionals, and professionals have expressed in strong terms their desire that advertising be reinstated as a course or courses. It might be expected that such an offering would attract enrollment. The courses involved for suggested restoration within the next two or three years are 123, The Community Newspaper; 130, Advertising Writing, Copy, and Layout, and 190, Problems in Local and National Advertising.

Restoration of these courses to active use would require employment of an additional man, probably half-time. A suggested plan for 1958-59 or later could involve scheduling Professor Jermain for a full 12 hours of teaching, thus removing him from his work as business supervisor of student publications and restoring him to full-time journalism salary; and to employment of a faculty person to teach six hours at half pay and to devote one-fourth of his time to business supervision of student publications and one-fourth to management of the New Mexico Press Association, with apportioned salaries from those organizations. The department certainly should contemplate bringing back to the campus the activities of the New Mexico Press Association.

Publications

RAFFERTY, KEEN. A Unit of the Straight News Story. Albuquerque: Mimeographed. 17 p. Done at request of Journalism Section of New Mexico Education Association and distributed among 142 New Mexico high schools.

Other Professional Activities

Professor Jermain addressed the convention of the New Mexico Library Association at New Mexico Institute of Mining and Technology at Socorro in April, 1957. He was a judge of the first annual contest of the New Mexico Commercial Artists' Association on the University campus late in 1956, and judge at a New Mexico high school speech contest in April, 1957, at the University. He was a member of the special programs committee of Sigma Delta Chi.

Professor Rafferty was moderator for five public affairs programs of the University television series over KOB and KGGM; judge Southern California Industrial Editors' magazines and of numerous other news and newspaper contests; speaker and panel moderator, New Mexico Press Women's convention, Albuquerque; panel moderator, New Mexico High School Press Association, New Mexico Highlands University, Las Vegas; speaker and panel moderator, Valley high school, Albuquerque, and Jefferson Junior high school, Albuquerque; past president and board member, Bernalillo County Tuberculosis Association; judge, Albuquerque Tribune Spelling Bee.

Activities in Learned and Professional Societies

Professor Rafferty was delegate of the Association for Education in Journalism to the national journalism accrediting council

(American Council on Education for Journalism); member, Standards of Teaching Committee, Association for Education in Journalism.

Gifts

The following gifts were received during the second semester, 1956-1957, for journalism scholarships and awards:

- \$250. Anonymous Award in Journalism
- \$150. Mrs. Thelma Papert, Dallas, S. W. Papert Journalism Scholarship.
- \$100. The Albuquerque Journal, The Albuquerque Journal Award in Journalism.
- \$100. New Mexico Alumnae of Theta Sigma Phi. The Theta Sigma Phi Journalism Award.

THE REPORT OF THE DEPARTMENT
OF
MATHEMATICS AND ASTRONOMY

July 1, 1955 - June 30, 1956

Morris S. Hendrickson, Chairman

The growth of the Department of Mathematics and Astronomy continued to run well ahead of the growth of the University as a whole. A total of 14,056 student credit hours were taught in 1956-57, as compared with 11,289 in 1955-56. This change represents an increase of 24.5%.

1. SIGNIFICANT ACHIEVEMENTS DURING THE YEAR 1956-57.

The most significant achievement of this year was the initiation of a Ph. D. program. The demand for such a program has been building up for several years, primarily from the students at Sandia Base, Los Alamos, and Holloman. It is the belief of most senior members of the department that once the program gets underway, there will probably be from two to three doctoral degrees awarded each year. The growth in graduate enrollment lends strength to this belief. Enrollment in 100 level courses carrying graduate credit increased 65.4% over the previous year, while enrollment in 200 level courses increased 156.5%. There were 59 students who had been admitted to the graduate school with the intent of securing a master's degree, as compared with 33 last year.

Several new courses have been added to the curriculum. Mathematics 146, Operational Methods, is a course dealing primarily with the Laplace and Fourier transforms and their applications to the solution of both ordinary and partial differential equations. Mathematics 147-148, Applied Advanced Calculus, is a course designed specifically to fit the needs of engineering students. These students have in the past been taking 141-142, Advanced Calculus, with the result that the latter course had to be altered

so much that it no longer fitted its original purpose of giving the mathematics majors an introduction to analysis. With the added course, 141-142 can revert to its original purpose. Mathematics 233-234, Theory of Mathematical Statistics, is a much needed graduate course. It is essentially a continuation of 133-134, but is pitched at a much higher level. Mathematics 243-244, Advanced Ordinary Differential Equations, is one of the key courses in the recently inaugurated doctoral program.

The experiment started last year in which Math 15 and 16 were given as one continuous five hour course was continued, since it turned out to be an outstanding success. This procedure will undoubtedly become a permanent part of the curriculum.

The department participated in a program sponsored by the Ford Foundation in an attempt to find out if freshman mathematics can be successfully taught in large sections. Results of this experiment are not yet known completely, but preliminary indications are that there is no significant difference in achievement.

The work on the research contract with Holloman Air Force Base is not yet complete. It should be finished by September, although there is a chance that it may be necessary to ask for an extension.

Dr. I. I. Kolodner has received a \$15,000 contract from the Office of Ordnance Research to work on problems in partial differential equations with free boundaries. Work on this contract will start in September and run for two years.

Drs. Donald Dubois and Arthur Steger have received a contract from the National Science Foundation to do work on partially ordered fields. The exact amount of this contract is not known, since it will not be received until after July 1. Work on the contract will begin on July 1 and run for two years.

2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

Within the next two or three years, the department plans a major curricular revision. This revision is motivated by two goals -- the improvement of the undergraduate offerings and requirements and the implementation of the doctoral program.

Next year, an experiment will be tried in which the freshman year will be taught in an entirely different way with different emphases and different goals. This change will necessitate a change in the sophomore program, details of which have not yet been worked out.

Changes in the major requirements are being contemplated which will give the student much less choice than he now has and will, we believe, insure him of a much better rounded undergraduate training. Students wanting to specialize will either have to take added hours in the major or do their specialization in graduate school. Several courses now in the undergraduate curriculum will probably be deleted. Two likely candidates are 115 and 145. The geometry offerings will probably be solidified into one full year offering required of all majors, with a corresponding change in the two algebra courses 171 and 172.

Several new courses on the graduate level are needed in order to carry on the doctoral program. Among these are a course in the principles of applied mathematics, a 200 level course in complex variables, a second semester of the course in real variables, a course in functional analysis, an advanced course in modern algebra, and an advanced course in partial differential equations.

It is hoped that the money can be found to establish a computer center at the university under the jurisdiction of the Department of Mathematics and the Department of Electrical Engineering. Unless such a center is established soon, we will be so far

behind the times as to be considered antiquated. Research throughout the university is bound to suffer, since a large portion of modern day research is utterly dependent upon a large scale computer.

3. APPOINTMENTS TO STAFF.

Dr. I. I. Kolodner. Appointed full professor of mathematics, September, 1956. Formerly at New York University, and a specialist in applied mathematics.

Mr. Patrick Carr. Appointed instructor in mathematics, September, 1956. Formerly at the University of Oregon, where he just completed his master's degree.

Mr. Richard Scheer. Appointed instructor in mathematics, September, 1956. Formerly at the University of Nebraska, and a specialist in logic and philosophy.

4. SEPARATIONS FORM STAFF.

Dr. C. E. Buell. Effective June, 1957.

Dr. Peter W. John. Effective August, 1957.

5. PUBLICATIONS.

(a). Books and Monographs.

None.

(b). Articles

DUBOIS, DONALD. "On Partly Ordered Fields", Proceedings of the American Mathematical Society, Vol. 7, No. 5, (October, 1956), pp. 918-930.

JOHN, PETER W. "Divergent Time Homogeneous Birth and Death Processes", Annals of Mathematical Statistics, (June, 1957).

_____. "A Transportation Problem", The Mathematical Gazette, (accepted but not yet published).

JOHN, PETER W. "First Removal Time in a General Stochastic Epidemic", American Mathematical Monthly, (October, 1956), p. 606. (Abstract).

_____. "Quadratic Time Homogeneous Birth and Death Processes (Preliminary Report)", Annals of Mathematical Statistics, (June, 1956), p. 550. (Abstract).

_____. "The Quadratic Birth Process", Annals of Mathematical Statistics, (September, 1956), p. 865. (Abstract).

KOLODNER, I. I. "Instability of Liquid Surfaces and the Formation of Drops. Part II: A Refined Theory." Institute of Mathematical Sciences, Research Report No. 231, (June, 1956).

_____. "Underwater Explosion Bubbles III: The Effects of the Surface and of the bottom on the Shape and Motion of the Bubble." Institute of Mathematical Sciences, Research Report No. 232, (July, 1956).

_____. "Underwater Explosion Bubbles IV: Summary of Results and Numerical Computations." Institute of Mathematical Sciences, Research Report No. 233, (July, 1956).

_____. And KELLER, J. B. "Underwater Explosion Bubble Oscillations." Journal of Applied Physics, Vol. 27, (1956), pp. 1152-1161.

LAPAZ, LINCOLN. (See Report of the Institute of Meteoritics).

MARTIN, A. V. "Derivatives and Neighborly Functions", (Accepted by Proceedings of the American Mathematical Society but not yet in print.)

WYLER, OSWALD. "On an Axiom of Bourbaki". (Accepted by the Bulletin of the American Mathematical Society but not yet in print.)

WYLER, OSWALD. "On Non-linear Differential Equations of Damped Motion". Holloman Air Development Center Technical Report, (In Print).

6. COMPLETED RESEARCH PROJECTS.

None

7. OUTSIDE SPONSORED RESEARCH.

Holloman Air Development Center. \$14,000 contract for work on certain mathematical problems concerning the flight of guided missiles. June 1956 to September 1957.

Office of Ordnance Research. \$15,000 contract to Prof. Kolodner for work on free boundary problems of partial differential equations. Sept. 1957 to Sept., 1959.

National Science Foundation. Approximately \$30,000 contract to Profs. Dubois and Steger for work on partially ordered Fields. July 1957 to July 1959.

8. OTHER PROFESSIONAL ACTIVITIES.

JOHN, PETER W. Lecture on statistics to the research section of the Naval Officer's Reserve, Albuquerque, June, 1956.

MARTIN, A. V. Chairman of a discussion group at the GREAT PLAINS CONFERENCE ON HIGHER EDUCATION at the University of Oklahoma in October, 1956.

9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

(a). Offices Held.

HENDRICKSON, MORRIS S. Continued as Governor of the Southwestern Section of the Mathematical Association of America.

GENTRY, FRANK C. Faculty Sponsor of local chapter of Kappa Mu Epsilon, appointed member of the Committee on Mathematical contests of the MAA.

(b). Papers read.

DUBOIS, DONALD. "Principal Ideal Domains without Division Algorithm", (Jointly with Arthur Steger), SW Section of the Mathematical Society of America, April, 1957.

JOHN, PETER W. "The Quadratic Birth Process", Joint meeting of the Institute of Mathematical Statistics and the American Mathematical Society, Seattle, Aug., 1956.

MARTIN, A. V. "Derivatives and Neighborly Functions", Regionall meeting of the American Mathematical Society, Pasadena, November, 1956.

WYLER, OSWALD. "On Two Lemmas of F. Riesz", Meeting of the SW Section of the Mathematical Association of America, Tucson, April, 1957.

10. IMPORTANT STUDY AND TRAVEL.

MITCHELL, MERLE. Attended 1956 summer school at Vanderbilt-Peabody to work on Ph. D. in the teaching of mathematics.

11. GIFTS.

None.

The Report of the
Department of Modern and Classical Languages
July 1, 1955 - June 30, 1956

R. M. Duncan, Chairman

1. Significant achievements

No new programs have been initiated this year. It is perhaps worth recording that a project for refining our present method of teaching elementary foreign languages was written up and submitted to the Fund for the Advancement of Education. This project was approved by the F.A.E., but President Popejoy, being a member of the committee, declined acceptance on the basis that another project of greater magnitude was approved for the University.

2. Significant plans for next year

A. The move which had originally been projected for last September to the old Women's Dining Hall did not materialize, but it seems practically certain that we shall be in the new location for the beginning of classes in September 1957. The increased laboratory facilities, the more spacious quarters for the staff of the Department, and the convenient location from the standpoint of the students leads us to expect expanded use of the Laboratory and consequent improvement in our instructional program.

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B. The method of teaching elementary foreign languages in use for the last three semesters will be changed to include the use of inexperienced teachers who take graduate work in the Department. The program will be strictly supervised to ensure the maintenance of proper standards. The recruiting program for graduate students was stepped up this year in order to have available a supply of graduate students able to take care of teaching needs at this level.

C. Mrs. Nonna D. Shaw, on temporary appointment this year to replace Professor Donald A. McKenzie, who is on sabbatical leave, has been given another temporary contract for next year to teach residence and extension classes in German and Russian at Los Alamos.

3. Long-range plans

No new long-range plans have been formulated.

4. Appointments to staff

A. Dr. Thomas O. MacAdoo was given an emergency one-year appointment as Visiting Lecturer to teach courses in Latin and Greek for the present year.

B. Dr. Hugh F. Graham was appointed as Assistant Professor of Classics, to begin September 1957.

5. Separations from staff

(None, other than Dr. MacAdoo, who held a one-year appointment.)

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6. Publications

A. Books and monographs

SENDER, RAMÓN J. Bizancio. Mexico: Editorial Diana, 1956. 415 p.

_____. Los Cinco Libros de Ariadna. New York: Editorial Ibérica, 1957. 700 p.

B. Articles.

DUNCAN, R. M. "Algunas Observaciones sobre la fonología de la s palatal en el español de Nuevo Méjico," Primeras Jornadas de Lengua y Literatura Hispano-americana: Comunicaciones y Ponencias, Vol. II, pp.223-228. Salamanca (Spain), 1956.

_____. "Lament for the Departed Subjunctive," The News Bulletin of the Rocky Mountain Modern Language Association, X (October, 1956), p. 4.

LOPES, ALBERT R. "Teaching Elementary Foreign Languages" (with M. R. Nason), Hispania, XXXIX, No. 4 (December, 1956), pp. 462-463.

MacCURDY, RAYMOND R. "Francisco de Rojas Zorilla and the Authorship of Del rey abajo, ninguno," Bulletin of the Comediantes, IX (1957), pp. 7-9.

NASON, MARSHALL R. "Teaching Elementary Foreign Languages" (with A. R. Lopes), Hispania, XXXIX, No. 4 (December, 1956), pp. 462-463.

SENDER, RAMÓN J. "Contradicciones y tristes espejismos," Ibérica, IV, (June 15, 1956), pp. 6-7.

_____. "Prólogo a los Cinco Libros de Ariadna," Las Espanas (Mexico) (August, 1956), 3 p.

_____. "El licenciado Sr. Coyotl," novela, Temas, XIII (September, 1956), pp. 118-133.

_____. "Madariaga hallado en los debates del mundo," Guadernos (Paris), November-December, 1956, pp. 33-44.

_____. "Menéndez y Pelayo: la confusión y la conspiración," Ibérica, V (January 15, 1957), pp. 9-10.

- _____. "Pío Baroja y su obra," Cuadernos (Paris), January-February, 1957, pp. 70-73.
- _____. "The Clouds Did not Pass," New Mexico Quarterly, Spring 1957.
- _____. Forty-nine articles published in the weekly literary supplement of forty-two Latin-American newspapers from June 1, 1956 to June 1, 1957, under the series title "Los Libros y los Días."

C. Reviews

- SENDER, RAMÓN J. "Collected Essays by Herbert Read," The New Leader, June 11, 1956, p. 24.
- _____. "Within the Tribe" (Bunker's Other Men's Skies), New York Times Book Review, October 21, 1956, p. 28.
- _____. "The Colors of Blood and Night" (Azuela's The Flies: The Bosses), New York Times Book Review, December 2, 1956, p. 66.
- _____. "Myth and Poetry" (Read's Nature of Literature), The New Leader, April 15, 1957, pp. 23-24.

7. Completed research projects

COBOS, RUBÉN. New Mexican Spanish Proverbs, summer 1956.

Manuscript on Indigenous Literary Folklore in New Mexico, now in Museum of International Folk Art, Santa Fe.

DeJONGH, W. F. J. "La Rochefoucauld and La Princesse de Clèves."

DUNCAN, R. M. Text edition, with introduction, notes and vocabulary, of Mosén Millán by Ramón Sender.

8. Outside-sponsored research

None.

9. Other professional activities

COBOS, RUBÉN. Visiting Lecturer, Stanford University, January to December 1957.

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GOURIER, FRANÇOISE C. Instructor in Phonetics, Middlebury French Summer School, 1956.

MCKENZIE, DONALD A. Eight lectures on cultural-historical subjects, three for Interpreters' Institute, University of Vienna, five for the Austro-American Institute of Education, Vienna, 1957.

10. Activities in learned and professional societies

COBOS, RUBÉN. Paper on "Development of Traditional Spanish Folk Poetry in New Mexico," California Folklore Society, Stanford, April 12, 1957.

DUNCAN, R. M. Member, Executive Committee, Rocky Mountain Council for Latin-American Studies, 1957; Member, Advisory and Nominating Committee, General Phonetics Section, Modern Language Association, 1956-57.

MACCURDY, RAYMOND R. President, Rocky Mountain Modern Language Association, 1956-57; Secretary (1956), Chairman (1957) of Spanish II Section (Renaissance and Golden Age) of Modern Language Association; Secretary of the Comediantes, 1956; Executive Council, Modern Language Association, 1956-57.

NASON, MARSHALL R. Executive Secretary, International Institute of Ibero-American Literature.

11. Important study and travel

COBOS, RUBÉN. Spent the second semester, 1956-57, at Stanford University working on the doctorate and has obtained leave for the first semester, 1957-58, for the same purpose.

DeJONGH, W. F. J. Seven weeks' study at the Bibliothèque Nationale, Paris, summer 1956.

DUNCAN, R. M. Travel in France and England after the end of the fiscal year, summer 1956.

KERCHEVILLE, F. M. Directed travel-study tour of Europe, summer 1956.

LOPES, ALBERT R. Travel in Portugal and Italy, summer 1956.

12. Gifts. None.

The Report of the Department of Philosophy
July 1, 1956 - June 30, 1957
H. G. Alexander, Chairman

1. Significant Achievements.

Joint majors. The proposal for a joint major in English and Philosophy was returned by the Curricula Committee to the departments for further elaboration. The proposal will be resubmitted next fall.

Meetings of Societies. The Department was host to the New Mexico Philosophical Society at its annual meeting May 4 and 5, 1957. The Department and this Society sponsored a meeting on aesthetics at Taos, New Mexico August 11 and 12, 1956. Reception of this meeting was sufficiently encouraging so that it was decided to hold a longer session during the summer of 1957 on the subject "Art and Society." This session is planned for June 11-14, meetings to be held at the Harwood Foundation.

Change of Location. The Department moved into new offices in Bandelier Hall, affording better cooperation inasmuch as the staff is now together in one place.

2. Significant Plans and Recommendations.

Increased enrollment in the Department was so marked during the past year that it seems to warrant the utilization of Dr. M. G. Evans full time in the near future.

Long Range Plans.

(a) The Bahm plan for rotational visiting lecturers. The first success of Dr. Bahm's plan to bring Oriental exchange professors to the campus may be noted in the forthcoming sojourn of Dr. Surama Dasgupta for Semester I, 1957-58, as visiting Whitney-Fulbright Scholar in the Field.

of Philosophy.

(b) The Department continues to be interested in curricular matters and possible reorganization of distribution requirements in the College.

3. Appointments to the Staff.

Dr. Melbourne G. Evans is continued as visiting lecturer in philosophy. He is devoting half time to philosophy and half time to mathematics.

4. Separations from the Staff.

None.

5. Publications.

(a) Books and monographs. ~~None.~~ See below.

(b) Articles. None.

(c) Reviews.

ALEXANDER, H. G. Review of Harry Hoijer, Ed., "Language in Culture," The Review of Metaphysics, X (December 1956), 282-288.

6. Completed Research Projects.

Rejection of Dr. Bahm's manuscript "Philosophy of the Buddha" at the request of Harpers.

Dr. Bahm's edition of the Tao-Teh-King was mimeographed and assembled at the University of New Mexico after having been returned to him by Penguin Classics. He is now seeking other possible sources for publication.

7. Outside Sponsored Research.

None.

8. Other Professional Activities.

Guest Lectures: A. J. Bahm (1) at Unitarian Church, October 21, 1956;

(2) at U.S.C.F., October 25, 1956; (3) at Congregational Church, November 11, 1956; (4) at Unitarian Fellowship, Los Alamos, November 25, 1956.

9. Activities in Learned and Professional Societies.

(a) Papers read: H. G. Alexander, "Art, Its Nature and Value," Taos, New Mexico August 11; and "Abstraction, Generalization and Imagination," Southwest Philosophical Society, Houston, Texas, December 29, 1956, at Rice Institute.

A. J. Bahm, "Buddhist Aesthetics," August 11, Taos, New Mexico; and "Buddhism Reinterpreted," Southwest Philosophical Society, Houston, Texas, December 28, 1956, at Rice Institute.

M. G. Evans, "Problem of Induction and the Actual Infinite," New Mexico Philosophical Society, May 5, 1957.

H. G. Alexander, "The Problem of Unified Knowledge," December 8, 1956, Aquinas Newman Center.

M. G. Evans, discussion leader for the topic "Historical Setting of the Science-Philosophy Relationship," December 8, 1956, Aquinas Newman Center.

A. J. Bahm, panel member for "Natural Science as a Unified View of the Physical World," December 8, 1956, Aquinas Newman Center.

(b) Committees: H. G. Alexander appointed member of the Committee on Philosophy in Education of the American Philosophical Association; member of the Program Committee of the Fifth Inter-American Congress of Philosophy and the Second Congress of the Inter-American Society of Philosophy in charge of translation for the tri-annual meeting, Washington, D. C., July 8 to 12, 1957.

10. Important Study and Travel.

None.

11. Gifts.

The departmental fund coming from royalties received from the sale of H. B. Alexander's The World's Rim received an increment of \$382.24. Some of this fund has been used in assisting departmental entertaining and as an addition to traveling funds for attending professional meetings.

Note on Publications:

BAHM, A. J. Leo Tzu's Tao Teh King. Albuquerque: Mimeographed and bound, University of New Mexico, 1957. 74 pages.

ALEXANDER, H. G. and WYNN, DUDLEY Editing of Reports of UNESCO Citizen Consultations. Albuquerque: Mimeographed and bound, University of New Mexico, 1956. 47 pages.

The Report of the Department of Physics
 July 1, 1956 - June 30, 1957
 Victor H. Regener, Chairman

1. SIGNIFICANT ACHIEVEMENTS

a) Degrees

During the year covered by this report, the Physics Department is granting the degrees listed below. The total number of physics degrees granted in each category since 1948-1949 is added in a separate column.

	Physics Degrees Granted	
	1956/57	1948/49 - 1956/57
B.S.	6	36
M.S.	5	32
Ph.D.	1	6

b) Enrollment

During the report period, the Physics Department taught a total of 3,326 student credit hours with an average staff of approximately 5 faculty members. Due to the introduction of new courses as outlined below, the Department expects to teach an estimated number of 5,247 student credit hours during the academic year 1957/58.

The Physics Department had an average of 55 graduate students throughout the year 1956/57; this enrollment on the graduate level is once more the highest in the College of Arts and Sciences and is exceeded on a university-wide basis only by the departments of Mechanical and Electrical Engineering.

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Roughly 50% of our graduate enrollment consists of Los Alamos students.

c) New Courses

Significant progress in our endeavor of reaching a larger number of students has been made at the beginning of the academic year 1956/57 through the introduction of new physics courses to be taught for the first time in the academic year 1957/58. Among these new courses are the two-semester sequence Physics 110 and Physics 111L entitled Atomic and Nuclear Physics for a total of 5 lecture hours and one laboratory hour. These courses are designed for students who have had no more than one year of elementary physics and one year of calculus as a background; they will aid the undergraduate and graduate work of the Engineering College in its program of Nuclear Engineering Technology. The Electrical Engineering Department has already made Physics 110 a requirement for their undergraduate majors. Additional students are expected from graduates in engineering on the campus and from Sandia and Kirtland. A total of over 300 student credit hours are expected to be taken in these two courses during the coming year.

Another important step has been taken through the introduction of a three-semester sequence of engineering physics courses which is to replace the present two-semester sequence beginning with Semester II, 1957/58. All engineering and science students will now be required to take 11 hours of physics instead of 8 hours which were required up to the present time. The increase in the number of student credit hours taught by the

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Physics Department in these large classes will amount to 37.5% over the current number.

Additional increases of student credit hours are expected due to an evening course in elementary physics which will be added as the result of a formal request from the Training Officer of Sandia Corporation which reached us through Dr. H. O. Ried in April, 1957.

d) Summer Institute for High School Teachers

In the summer of 1956 the Physics Department once more contributed the bulk of the instruction in a Summer Institute for high school teachers which was sponsored by the National Science Foundation and the Atomic Energy Commission. Dr. John R. Green again was in charge of this activity. He taught Physics 155, Physics for Secondary School Teachers, and Physics 7L, Elementary Electronics, courses especially designed for this difficult task.

The Department will furnish the bulk of the instruction for another Summer Institute during the summer session of 1957. Dr. Philip A. Macklin has been engaged for this purpose.

e) Capillo Peak Observatory

The observatory of the Department in the Manzano Mountains, built during the years from 1949 to 1953 by faculty and students of the Department, has been leased for one year to the United States Signal Corps beginning on March 1, 1957. This lease will bring approximately \$800 for the first year.

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In accordance with previous arrangements made between the Department Chairman and President Popejoy, this income will be credited to the Physics Supply and Expense account.

f) Los Alamos Teaching

During each of the two semesters covered by the report period, faculty members of the Department taught three courses for credit at the Los Alamos Scientific Laboratory under the contractual arrangement between the University and the Laboratory.

2. SIGNIFICANT PLANS AND RECOMMENDATIONS

As outlined in the budget message of the Chairman of the Department to the Dean of the College dated September 21, 1956, the Department will need 7 active full-time staff members during the academic year 1957/58 and 8 active full-time staff members during the academic year 1958/59. This number takes into account anticipated enrollment figures as well as the anticipated engagement of the staff in research projects and in teaching at Los Alamos.

The most pressing need, apart from staff, for the future development of the Physics Department is connected with lack of space and laboratory equipment. As outlined in the mentioned budget message, the long-range needs of this department call for a new building of 36,000 sq. ft. at a cost of roughly \$600,000; immediate needs for special equipment amount to \$39,410 for 1957/58 and \$39,120 for 1958/59.

3. APPOINTMENTS TO STAFF

Dr. Donald Skabelund (Ph.D., University of Utah, 1956) has been appointed Assistant Professor of Physics for the academic year 1957/58. The appointments of Dr. Christopher P. Leavitt (Ph.D., M.I.T., 1952) and of Dr. Jack Katzenstein (Ph.D., Harvard University, 1949) to the positions of Assistant Professor of Physics and Associate Professor of Physics, respectively, became effective with the academic year 1956/57.

4. SEPARATIONS FROM STAFF

None

5. PUBLICATIONS

Bond, John W. Jr. - "Structure of a Shock Front in Argon", The Physical Review, Vol. 105, pp. 1683-1694, March 15, 1957.

Brown, Robert R. - "Time Variations of Cosmic Ray Intensity", Journal of Geophysical Research, Vol. 61, pp. 639-646, December 1956.

Green, John R. and Thomas, Roy - "Squirting Manometer", American Journal of Physics, Vol. 25, pp. 98-100, February, 1957.

Green, John R. - "Summer Course in Physics for High School Teachers", American Journal of Physics, Vol. 25, pp. 262-264, April, 1957.

Regener, Victor H. - "The Vertical Flux of Atmospheric Ozone", Journal of Physical Research, Vol. 62, pp....., June, 1957.

Thomas, Roy - See Green and Thomas, above.

6. COMPLETED RESEARCH PROJECTS

Dr. Breiland completed research on meteorological conditions associated with the development of instability lines.

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Dr. Green completed a research project on the nature of penetrating cosmic ray showers which was sponsored as part of a grant to Green and Regener in the amount of \$13,400. This work served as a Ph.D. dissertation for one of our graduate students.

Dr. Regener completed a research project on the measurement of surface ozone sponsored by the United States Weather Bureau and nearly completed another project on the measurement of stratospheric ozone from balloons, also sponsored by the Weather Bureau.

7. OUTSIDE SUPPORT

The Department continued to receive generous support from outside agencies for teaching and research projects.

The sum of approximately \$5,000 in National Science Foundation/Atomic Energy Commission funds was spent by the Department during the 1956 Summer Session for the Institute mentioned under d).

The sum of \$15,107 of AEC assistance toward the Physics Laboratories 111L, 193L, 194L was applied for on April 22, 1957 and will be received in July, 1957.

The following research projects were active during the report period:

<u>Brief Title</u>	<u>Sponsoring Agency</u>	<u>Investigator</u>	<u>Amount</u>	<u>Time</u>
Surface Ozone	U.S. Weather Bureau	Regener	10,000	1956/57
Balloon Ozone	U.S. Weather Bureau	Regener	9,000	1956/57
Balloon Ozone	U.S. Air Force	Regener	15,000	1956/58
Cosmic Rays	U.S. Air Force	Green	28,500	1956/57
Cosmic Rays	International Geo-physical Year	Regener	27,000	1956/58
			<u>89,500</u>	

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The following applications for additional research projects or for the continuation of present projects were made during the report period and are expected to be granted:

<u>Brief Title</u>	<u>Sponsoring Agency</u>	<u>Investigator</u>	<u>Amount</u>	<u>Time</u>
Cosmic Rays	U.S. Air Force	Green	28,500	1957 -
Aircraft Ozone	U.S. Air Force	Regener	32,000	1957 -
Cosmic Rays	various	Regener	57,720	1957 -
Zodiacal Light	Research Corp.	Regener	8,375	1957 -
Cosmic Rays	National Science Found.	Green	9,800	1957 -
			<u>136,395</u>	

In addition to the mentioned projects sponsored by outside agencies, Dr. Katzenstein received a \$500 grant from the University Research Committee for his work in high-temperature physics. Valuable additional support has been obtained through the friendly relations which the Department enjoys with the Los Alamos Scientific Laboratory. In October 1956 the Department received on a permanent loan a 10-MeV betatron, a special piece of equipment costing \$12,000. This is a contribution toward our instruction in the Contemporary Physics Laboratory 193L, 194L and in the new Laboratory 111L.

Another valuable piece of equipment loaned to us by the Los Alamos Scientific Laboratory somewhat later is a Streak Camera for high-speed photography to be used in Dr. Katzenstein's research. This piece of equipment costs \$6,000 including accessories.

8. STUDY AND TRAVEL

Dr. Breiland was on sabbatical leave in Europe during the summer of 1956 and during the first semester of the academic year 1956/57.

Dr. Katzenstein attended the Magnetohydrodynamics Symposium at Palo Alto, California in September 1957.

Dr. Regener attended the International Ozone Conference held during July, 1956 in Germany as a member of the International Ozone Commission of the International Union of Geophysics and Geodesy. He also attended the International Ozone Conference at Chicago in November, 1956, the American Physical Society meeting at Monterey, California in December, 1956 and the Symposium on Magnetohydrodynamics at Palo Alto, California in December, 1956. At the request of the United States Department of State, he represented the United States at a UNESCO-sponsored conference on cosmic radiation in La Paz, Bolivia, in January 1957. At the Norman, Oklahoma meeting of the American Physical Society in March, 1957 he delivered an invited paper.

Dr. Thomas attended the New York meeting of the American Physical Society in January, 1957.

The Report of the Department of Psychology
July 1, 1956 - June 30, 1957
Geo. M. Peterson, Chairman

1. Significant Achievements

Work continued on the Sandia Corporation research contracts. This has enabled several graduate students to be assigned as research assistants and has materially supported the research program of the Psychology Department.

2. Plans for the Future

The department would like ultimately to give a Ph. D. degree. Toward that end it is building up its program of offerings as more staff members become permanent. With the increasing financial support for a research program from outside sources we should soon be able to accomplish this purpose.

3. Appointments to Staff

Dr. Homer B. Reed was given a one-year appointment in September, 1956, as a Visiting Lecturer in Psychology to fill the position left vacant by the resignation of Dr. Morton J. Keston.

Dr. Henry C. Ellis was appointed as Assistant Professor, effective September, 1957 .

Dr. Edward G. Nolan was appointed Assistant Professor, effective September, 1957.

4. Separations from Staff

Dr. Morton J. Keston resigned effective September, 1956.

Dr. Thurlow R. Wilson resigned effective June, 1957.

5. Publications

BENEDETTI, DAVID T. "Stratification in the Cognitive Organization of Words," Journal of General Psychology.

NORMAN, RALPH D. "Rosenzweig Picture-Frustration Study Results with Minority Group Juvenile Delinquents," Journal of Genetic Psychology.

PETERSON, GEO. M., EVANS, JAMES L., AND WELDON, ROGER J. "Accuracy in Calculating Arithmetical Problems of Varying Complexity," SC - 3896 (October 1956).

WELDON, ROGER J. "Error Reduction in Computations," number not assigned (May 1957).

WILSON, T. R. AND KATZ, L. "The Variance of the Number of Mutual Choices in Sociometry," Psychometrika, XXI (1956) 299-304.

WILSON, T. R. "The Statistical Analysis of Whiting and Child's Child Training and Personality," American Anthropologist, LIX (1957), 338-342.

WILSON, T. R. Review of A Study of Thinking by J. S. Bruner, J. J. Goodnow and G. A. Austin, Educational and Psychological Measurement.

6. Completed Research Projects.

BENEDETTI, DAVID T. - Evaluator in Ford Foundation education experiment under Professor William J. Parish.

NORMAN, RALPH D. - Comparative Profile Patterns of Younger and Older Bright Females on the Wechsler-Bellevue Scale.

NORMAN, RALPH D. - Shifts in Occupational Preferences as a Function of Job Information and Degree of Acquaintance ship.

REED, HOMER B. - The Influence of the Visual Auditory Manual Method vs. the Machine Visual Method of Presentation in the Learning and Relearning of Concepts.

WELDON, ROGER J. - Measurement of Difficulty in Computational Work.

WELDON, ROGER J. - Relationship of Proofreading Efficiency to Error Density.

WILSON, T. R. - Stereotypy of Ethnic Group Beliefs of College Students.

7. Outside-sponsored Research

Contracts continued with Sandia Corporation, the last one for \$20,000 to study errors by selected personnel in using electrical meters.

The Report of the Department of Sociology

July 1, 1956-June 30, 1957

Paul Walter, Jr., Chairman

1. Significant achievements during the academic year, 1956-57. Departmental offerings, organization, and emphases remain the same.

2. Plans and recommendations for the near future include further emphasis on research, with probable subsidies from the Air Force Office of Scientific Research and other sources.

3. Appointment to staff: Dr. Tom Sasaki, effective September 1, 1957.

4. Separations from staff: Dr. Ellis Scott, who left for a research position with RAND Corporation, February 1, 1957.

5. Publications.

(a) Books and monographs, none.

(b) Articles

Ellis, Helen. "Public Welfare Problems in New Mexico," mimeographed by Legislative Reference Service, Santa Fe, N.M.

Ellis, Helen. "Acceptance of Employment Security from the Standpoint of the Public," Proceedings, International Association of Personnel in Employment Security, November, 1956.

Ellis, Helen. "Process of Aid to Clients and a Study of Dependency in San Miguel and Lea Counties," Public Assistance and Social Service in New Mexico, Welfare Investigating Committee, 1957.

Ellis, Helen. "A Critical Look at the Welfare Investigating Committee Report," (mimeograph) New Mexico Conference on Social Welfare, January, 1957.

Geddes, Ezra W. "Values and Standards as Causal and Preventive Forces in Delinquency," The Proceedings of the National Association of Training Schools and Juvenile Agencies. Vol. 52, 1956.

6. Completed Research Projects.

Ellis, Helen. Study of the Interim Legislative Committee on Public Welfare.

Walter, Paul, Jr. Study of Interdisciplinary Social Research in California Institutions of Higher Learning. Air Force Project # 18(600)-1180 (George Washington University).

7. Outside sponsored research. Behavioral Science Conference, November 15, 1956 - October 15, 1957, AF 49(638)-33, sponsored by the Air Force Office of Scientific Research for the inauguration of interdisciplinary team research.

8. Other professional activities. As noted above.

9. Activities in learned and professional societies.

Ellis, Helen. Chairman elect, New Mexico Chapter, National Association of Social Workers; Special committee on adoptions and special committee on services to youth, Bernalillo County Council of Social Agencies.

Respectfully submitted

Paul Walter, Jr.
Department Chairman

REPORT OF THE DEPARTMENT OF SPEECH

JULY 1, 1956 - JUNE 30, 1957

WAYNE C. EUBANK, CHAIRMAN

The Department of Speech started the first semester of the academic year with a 20% increase in enrollment over the enrollment for the first semester of 1955-56. The increase for semester two 1956-57 over that of semester two 1955-56 was 35%. This percentage large/increase in enrollment in the second semester, 1956-57, was due to sabbatical leave of one of the members of the faculty during the second semester 1955-56.

For a decade the Department of Speech has looked forward to occupying permanent quarters. Plans are now underway to house the Department of Speech in permanent Quarters (Kappa Alpha Theta House) in September of this year. It is the belief of the Department that when the proposed conversion plans are completed, the Department will be housed adequately. This assurance of permanent housing has meant much to the morale of the Speech faculty during the past few weeks and we feel certain that the move will improve student morale among Speech majors and minors and that increased interest in various phases of Speech will accrue.

SPEECH AND HEARING CLINIC

The work of the Speech and Hearing Clinic is divided into two divisions for purposes of instruction and administration. Both divisions serve the educational needs of students in the Department who are interested in Speech and Hearing therapy and who are attempting to fulfill requirements for clinical certification in the American Speech and Hearing Association.

1. University Student Clinic

During the year, 58 students were enrolled in Speech improvement courses. These courses included arranged hours for individual instruction. This section of the Speech and Hearing Clinic promises to give increased services to University of

New Mexico students who require special remedial speech assistance.

2. Out-Patient Clinic

The Speech and Hearing Out-Patient Clinic is that section of the Speech Correction program that offers clinical services to persons not enrolled in the University of New Mexico. These cases, which afford various types of speech anomalies, furnish the training ground (observation and practice) for our upper division and advanced students in Speech. During the academic year, 101 patients were screened in the Out-Patient Clinic and an average of 15 persons per month were undergoing therapy. For these professional services performed by the Out-Patient Clinic, the General Fund of the University of New Mexico will receive between \$1100 and \$1200 for the current year. Based on dollar intake for therapy given, an estimated 304 man-hours were expended in therapy for which payment was received. This figure, 304, does not represent the total number of hours expended since many extra hours were given by therapists for which no charge was made.

There is an ever increasing demand by the community for services at the Out-Patient Clinic. The present policy of the Out-Patient Clinic is to admit for therapy as many different types of speech anomalies as practical; thus introducing our students in training to a wide range of speech disorders.

FORENSIC ACTIVITIES

The University of New Mexico Forensic Squad had a very active season. Twelve members attended a total of eight Intercollegiate tournaments and conferences, parti-

icipating in debate, oratory, extemporaneous speaking, and oral interpretation. Various teams of the Forensics Squad ranked among the top schools in five of the eight tournaments. Robert Hanna and David Mall made an outstanding record in national competition at the Notre Dame Invitational Tournament and the Tau Kappa Alpha National Conference, winning 80% of their debates.

The Forensic Squad did several programs for local service clubs and other community organizations during the year. David Mall, whose oration won first at the Rocky Mountain Speech Conference, University of Denver, later accepted an invitation from the University of Denver to deliver the speech before the Rocky Mountain High School Conference composed of students representing thirteen states. Future prospects in forensics are bright.

STATE HIGH SCHOOL SPEECH FESTIVAL

The State High School Speech Festival, sponsored by the Department of Speech, was well attended this spring. More than 200 students representing 19 high schools, were present. Participation in this activity has grown steadily during the past seven years. We believe that it offers participating students excellent speech experiences and that the University gains much from having these students and directors on our campus.

SPEECH DAY

Some 65 students participated in the annual Speech Day intramural contests. The finalists demonstrated a high caliber of performance.

RADIO-TV ACTIVITIES

During the academic year 1956-57, the University of New Mexico established a precedent for "all-live" television programs. Some 27 one-hour telecasts were

presented over local commercial stations--KOB, KGGM, KOAT. New techniques and new materials were tried in many of these productions; (1) specially conceived visuals were employed to present music, (2) outstanding works of literature never before televised were produced--e.g., Beowulf, Piers Plowman and works of Chaucer and Spenser, (3) educational rote-content subjects were presented in an informational manner--e.g., "Radiation--You, Me, and the Atom". Three colleges and 8 departments contributed materially to television programs.

Subjects of general and special educational content were presented through a series of round table discussions involving faculty members and state and community leaders.

Eight to ten radio stations in the state were serviced with weekly recorded tapes of alumni news and sports commentary. Interviews with visiting lecturers and important persons from abroad were arranged and aired over local radio and TV stations.

Speech 150s, 1957 -- Through a special grant-in-aid by the NAEB to the University of New Mexico, a summer workshop, In-Class Utilization of the Television Program, will be offered. Four visiting consultant-lecturers in specialized areas of educational television will work under the direction of Professor Cooper of the Department of Speech.

PLANS AND RECOMMENDATIONS FOR THE BIENNIUM 1957-59

1. Plans for an audiological testing unit have been included in the new Department of Speech quarters. Whether the capital expenditure for this unit will be available is yet to be determined. However, this is a unit which the Department of Speech sorely needs. Testing in audiology can only be carried on successfully in rooms that meet strict sound specifications and with adequate equipment. This type of construction and equipment is not cheap. It is

hoped that at least the walls of the testing unit will be constructed at the time the remainder of the building is undergoing conversion. To proceed with this portion of the project now will reduce the ultimate cost and avoid unnecessary inconvenience. The Department believes that if the framework of the unit is constructed now, that money for the completion of the unit can be secured from some of many sources available; e.g. foundations, institutions, state and local organizations. Adequate equipment for the audiological unit will cost between seven and ten thousand dollars. The Department believes that at least some of this equipment can be secured without cost to the University, provided the framework of the testing unit is completed this summer.

2. If enrollment in the Department of Speech increases this fall at the expected over-all University rate, an additional staff member will be needed in September, 1958. This fall, 1956, two classes were taught by a temporary instructor. It is believed that this increase in staff will be essential even though the Department of Speech will institute, during the second semester of next year, a plan whereby the enrollment from the College of Education in Speech 55 will be handled in a new fashion. We contemplate holding a one-hour lecture per week for all students (approximately 150) and then breaking the large group into practice sessions (25-30 students) for two periods a week. This experiment should result in a staff saving of about 15 to 20%. Furthermore, we believe that instruction and training will not suffer but will probably be improved.
3. A grant for offering four freshman level courses over a three year period via television has been received by the University of New Mexico from the Fund for the Advancement of Education. Courses in English, Mathematics, Biology and Anthropology will be offered this fall. Guidance in course planning for TV teaching, for planning teachers' manuals, for pre-telecast teacher instruction,

for post-telecast evaluation of teaching effectiveness, and guidance in specially conceived and appropriate telecast visuals will be under the direction of Dr. Cooper of the Department of Speech.

Plans for the future in radio-television include:

- a. Additional advanced course offerings in television.
- b. A building program to embrace facilities and studio space for open and closed circuit operation in television. Basic plans necessary to operate an educational television station were begun this year. An application to the FCC requesting the allocation of Channel 5 for educational telecasting is now in preparation.
- c. Temporary quarters for live-studio presentation are planned in the building to which the Department of Speech will move this summer.
(Kappa Alpha Theta House)

Future plans for radio-television work at the University of New Mexico academically and transmission wise are ambitious. The granting of Channel 5 by the FCC will open the way immediately for increased open and closed circuit television. The Department of Speech is pleased with the support the Administration is giving to the advancement of radio-television at the University of New Mexico.

PUBLICATIONS

Books and monographs.

St. Onge, Keith R., "A Quantitative Phonetico-Syllabic Method of Duration Analysis of the Stream of Speech," Speech Monographs, 23 (1956), 247-254.

Articles.

St. Onge, Keith R., "Speech Training: By Chance or Design?", New Mexico School Review, 36 (1957), 12-14.

Reviews. None.

COMPLETED RESEARCH PROJECTS

Eubank, Wayne G., Case study on "Palmer's Lottery Speech, New Orleans, 1891", about 35p.

OUT-SIDE SPONSORED RESEARCH

None.

OTHER PROFESSIONAL ACTIVITIES

Chreist, Frederick M.

Advisor -- Freshmen and Upperclassmen; Student Affairs Committee for Professor Kluckhohn; University representative on the Governing Board of USCF; American Studies Committee; Consultant in Speech Therapy, Veterans Administration Hospital, Albuquerque, N. M.

Cooper, Bernarr

Instrumental in securing National Association of Educational Broadcasters grant in aid for TV Utilization workshop; Supervised radio newscasting contest for New Mexico State High School Speech Festival; Resource person for New Mexico Dental Assn. conference; Arranged radio and television interviews for Swedish Ambassador.

Eubank, Wayne G.

U.N.M. Summer Session and Extension Division Committee; Moderator on several U.N.M. TV roundtables; Chairman, State Committee for Revision of the High School Speech and Drama Guide (State Department of Education); Consultant Rocky Mountain High School Speech Institute, Denver, February, 1957.

Owens, Cullen B.

Freshman Advisor; Library Committee; Continued extra-curricular duties, Director of Forensics; Director, State High School Speech Festival; Director, Intramural Speech Day Contests.

St. Onge, Keith R.

Secretary of the Arts and Sciences Faculty, (Second Year); Student Advisor.

Speech and Hearing Therapy in the University Speech and Hearing Clinic. Member of the Committee on the General College. Consultant in Speech Pathology to the Psychology Department of the Veterans Administration Hospital at Albuquerque, New Mexico.

ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

Eubank, Wayne C.

New Mexico State Chairman of Alexander Hamilton Scholarship Awards; Chairman, TKA Standards Committee; Chairman, Professional Relations Committee American Forensics Association; Member of the Senate, Speech Association of America; Executive Council, Western Speech Association. Chairman, Sectional Program Speech Association of America, "Problems in Coaching Debate"; paper submitted Speech Association of America, "Affirmative Rebuttal Techniques"; paper at Western Speech Association Convention "Palmer and the Louisiana Lottery".

Chreist, Frederick M.

Elected Secretary of Phi Kappa Phi for 1957-1958 School year.
Lecture: Technics of Speaking Before Groups for the Dental Health Consultants Training Course -- May 19, 1956.
Series of four lectures: Personnel Problems and Communication in Hospital Administration (by Invitation) Veterans Administration Hospital, March, April 1957.

Cooper, Bernarr

Integrated Choral, Symphony orchestra, String quartet, Dance recitals into special telecast presentations. Arranged two separate exhibits in educational television, displayed at the University of New Mexico Library.

Owens, Cullen B.

Chairman and planner of session on "Rhetorical Theory and Rhetorical Criticism" at Western Speech Association, Eugene, Oregon, August 26-31, 1956. Membership Committee, Western Speech Association; Activities Coordinating Committee, Western Speech Association.

St. Onge, Keith R.

Member of Speech Association of America, American Speech and Hearing Association, Western Speech Association, New Mexico Education Association and Vice President of the New Mexico Speech and Hearing Association. Report on "Speech Problems of the Palsied Child" to the New Mexico State Elk's Convention on behalf of the Elk's Cerebral Palsy Committee, May 4, 1957.

IMPORTANT STUDY AND TRAVEL

Eubank, Wayne C.

Spent second semester 1955-56 doing research on Benjamin Morgan Palmer at Baton Rouge and New Orleans, Louisiana and Montreat, North Carolina.

THE REPORT OF THE COLLEGE OF BUSINESS ADMINISTRATION
July 1, 1956 - June 30, 1957
Vernon G. Scirell, Dean

I. Significant achievements during the academic year, 1956-57.

In the immediately previous annual report (1955-56) mention was made of a rather comprehensive plan for the more efficient utilization of teaching resources to start with the fall term of 1956. As the plan was financed largely by a grant from the Ford Foundation for Higher Education the program has become known as the Ford Experiment. We now have had a year's experience with this program and the results have been encouraging. A report of a preliminary nature on the program was made to the program was made to the General Faculty by Professor Parish, Director of the experiment, on April 9, 1957, and is made a part of this report as Appendix A. An additional preliminary report has been made to the Ford Foundation, and a complete report will be made to the Foundation by August or September, 1957.

The experiment has many of the earmarks of boldness in that it's approach to the problem of more effective teaching and reorganization of the program in the College seems to run counter to many traditional ideas and practices in higher education. Scheduling of courses for the four year undergraduate program has been streamlined by offering courses less often and eliminating sectioning. We have incorporated the four year schedules in the catalog so that the student more easily can keep "on phase" during his college career. Classes have become larger especially in the lower division and in the upper division courses that are required of all students. Our basic offerings have not been changed, however, so that the student during the four years will cover the same material as he did before the experiment began.

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We have given a hard look at the objectives of a degree in Business Administration and to consider whether our program meets those objectives. The typical freshman comes to us at about the age of 18 and completes his work about the age of 22. What should be his educational background when he leaves us to enter a career in business or some other activity? We think he should be broadly trained not only in business subjects but in areas outside business proper, or in liberal arts. He should avoid specialization as over-specialization may well lead to blind alley jobs later. Consequently, while not closing the door to new courses, we have been quite reluctant to add any new course, which of necessity would be of a specialized nature. This policy apparently is in opposition to the trend in other colleges of business over the country and is another bold feature of the Ford Experiment.

As to faculty teaching duties we, under the Ford Experiment, have adopted the practice of a basic nine-hour load comprising three different courses with three different class preparations. At times a teacher will have a class at night in which case the night class will be a repeat section of one of his day classes and his load will be twelve hours. This practice has worked very well this year.

We have used student help, both seniors and graduates, and have used several outside people. The experiment contemplates the use of assistants to release the professor of routine duties of paper grading, laboratory supervision, etc.

There are many other features of the Ford program which are covered in the Director's preliminary report (see Appendix A).

II. Significant plans and recommendations for the near future.

For the year 1957-58 the Ford program will continue in the College of Business in all its essential features. It is felt that an additional year is necessary to give us the additional information needed to develop policies and practices that may be adopted for the future.

As mentioned in previous annual reports the need for additional large classrooms will become increasingly pressing as enrollments increase in the years ahead.

Also mentioned in previous reports the College of Business Administration should be housed in more adequate quarters, preferably a new building or a wing of a new building. Yatoka Hall is now occupied entirely by the College when both the History Department and the Philosophy Department relinquished office space in the building. This has improved the space situation but the inadequacy of Yatoka Hall remains.

This past year there has been discussion regarding the possibility of giving graduate courses in Business Administration at Los Alamos and the prospects seem favorable for a beginning toward a graduate program at that institution.

The past year the College has made several interesting and perhaps significant statistical studies having to do with graduates of the College of Business Administration.

First, we were interested to see how graduation correlated with the entrance psychological tests using the A.C.E. T-scores. For this study data was secured on 629 graduating seniors. The results are given in the following table:

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COLLEGE OF BUSINESS ADMINISTRATION
B.B.A. Graduates - 1948-1956

ACE Percentiles (T-Score)	Number of Graduating Seniors	Percentages	Accumulative Percentages
0-10	7	1.0%	
11-15	15	2.3%	3.3%
16-20	19	3.0%	6.3%
21-25	23	3.6%	9.6%
26-30	15	2.3%	11.9%
31-35	30	4.7%	16.6%
36-40	56	8.9%	25.5%
41-45	36	5.7%	31.2%
46-50	47	7.4%	38.6%
51-55	24	3.8%	42.4%
56-60	56	8.9%	51.3%
61-65	41	6.5%	56.8%
66-70	24	3.8%	60.6%
71-75	32	5.0%	65.6%
76-80	50	7.9%	73.5%
81-85	34	5.4%	78.9%
86-90	48	7.6%	86.5%
91-95	37	5.8%	97.3%
96-100	<u>35</u>	5.5%	102.8%*
Total	629		

*Does not add to 100% because of rounding.

Second, we were interested to learn how long it took for students to finish all requirements for graduation. For this purpose data was collected on 596 graduating seniors. The results are given in the following table:

COLLEGE OF BUSINESS ADMINISTRATION
Total Semesters Needed for Graduation
1947 - 1956

Number	Total Semesters	%
40	Less than 8	06.7%
199	8 Semesters (4 years)	33.4%-----40.1% "normal"
139	8 $\frac{1}{2}$ Semesters	23.4% 4 years or less
74	9 Semesters	12.4%
46	9 $\frac{1}{2}$ Semesters	07.7%
43	10 Semesters - 5 years	07.2%
<u>55</u>	More than 10	09.2% 16.4% 5 yrs. or more
596		

A third study had to do with grade averages of 745 graduating seniors, which is given as follows:

COLLEGE OF BUSINESS ADMINISTRATION
Grade Point Averages in Concentrations

	Overall	B.A. Courses
General Business	1.38636	1.41526
Marketing	1.42285	1.43115
Secretarial	1.6861	1.64412
Finance	1.52023	1.53063
Industrial Management	1.42784	1.44854
Accounting	1.60682	1.71481

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The total number of graduates by concentration are given as follows:

COLLEGE OF BUSINESS ADMINISTRATION
TOTAL NUMBER OF GRADUATES BY CONCENTRATION

	No.	% of Total
General Business	269	36.11
Accounting	184	24.70
Marketing	115	15.44
Secretarial	18	2.42
Finance	104	13.96
Industrial Management	<u>55</u>	7.38
Total	745	

III. Appointments to staff.

Professor D. M. Smith, Jr., February 1, 1957 (returning from leave of absence.

Assistant professor Albert E. Wolff, July 1, 1957 (also Statistician in the Bureau of Business Research.)

Part time Instructor, Albert T. Ussery, September 1, 1956 (first semester only).

Part time Instructor Fred G. Comstock, September 1, 1956 (first semester only).

Part time Instructor John Perovich, September 1, 1956 (first semester only).

Part time Instructor Russell W. Foster, September 1, 1956 (both semesters).

Part time Instructor Benjamin M. Lucas, September 1, 1956 (both semesters).

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IV. Separations from staff.

Assistant Professor V. L. Auld, September 1, 1956.

Assistant Professor Rudyard B. Goode, July 1, 1957.

V. Publications.

GOODE RUDYARD B. "The Federal Highway Program and Its Impact on New Mexico", Albuquerque: New Mexico Business, Vol. 9, No. 9 (September 1956), pp. 3-9.

GOODE RUDYARD B. "Utilities and Transport" New Mexico Business, Vol. 10, No. 2 (February 1957), pp. 18-19.

GOODE RUDYARD B. "Construction" New Mexico Business, Vol. 10, No. 2 (February 1957), pp. 20-22.

GOODE RUDYARD B. Labor Force and Employment in New Mexico Counties: 1950 and 1955. Albuquerque: Bureau of Business Research, University of New Mexico (Business Information Series No. 30), May 1957, 13 pp.

GOODE RUDYARD B. "Forecasting Festival Traffic During Jamestown's 350th Anniversary" Traffic Quarterly, Vol. XI, No. 1 (January 1957), pp. 93-113, (Co-authored with Robert K. Turner, Jr.)

FINSTON, HOWARD V. "Managerial Development: Challenge to Accountants" Journal of Accountancy, July 1956.

WELCH, ALFRED C. Review of "Consumer Expectations, 1953-56" by Katona and Mueller (Survey Research Center, University of Michigan) published in the Journal of Marketing, January 1957.

VI. Completed research projects.

None reported except as indicated in published articles by Professor Goode.

VII. Outside-sponsored research.

1. Sponsor: Mescalero Apache Business Committee, Mescalero, New Mexico.
- Purpose: Organizational study and consulting service.
- Amount: \$800.00 plus travel and living expenses on trips to Mescalero.

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Duration: 1956 and until terminated on 30 day written notice.

Professors involved: Professors Welch, Finston, Christman.

2. Sponsor: Fund for the Advancement of Education, Ford Foundation.

Purpose: To experiment with more effective use of teaching resources in the College of Business Administration and four departments in the College of Arts and Sciences.

Amount: \$20,000 for the year 1956-57.

Director: Professor William J. Parish.

VIII. Other professional activities.

Professor Welch has done consulting work for the Ward Hicks Advertising Agency (Albuquerque) and also for the Sandia Corporation (with Professor Finston). He was a member of the steering committee to organize the New Mexico State Psychological Association. During the year he was reappointed as a consulting editor of the Journal of Applied Psychology, a position he has held for a number of years.

Professor Goode was the University's representative of the Western Data Processing Center which is being installed at the University of California at Los Angeles. He attended a conference on the matter at U.C.L.A. in November, 1956.

Professor Smith, who returned to the staff on February 1, 1957, from a two years' leave of absence to serve as the State Comptroller, gave a number of talks to various accounting groups in the State. He has served as a consultant to the accounting firm of Peat, Marwick, Mitchell and Company, Albuquerque. He is a member of the Credit Committee and the Supervisory Committee of the Coronado Credit Union.

Professor Finston has served as project manager for the research project with the Mescalero Apache Business Committee. He has been a

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consultant for the Atomic Energy Commission and the Personnel Department of the City of Albuquerque, and the Veterans Administration Hospital. He has made a number of talks in the area of management, and was chairman of the Middle Management Institute held on the campus in the spring of 1957.

Professor Glaese served as a panel member of the National Association for Business Teacher Education. She has served on the Governing Board, and is the Treasurer of the Student Christian Fellowship.

Professor Mori is chairman of the Education and Scholarship Committee of the New Mexico Society of Certified Public Accountants. He was elected the college representative on the University Policy Committee for the next two years.

Instructor DeDea gave a talk on "How I Teach Vocabulary" at the Mountain States Business Education convention at Wichita, Kansas in the summer of 1956. She has worked with the local chapter of the National Secretaries Association in the interest of preparing candidates for the Certified Professional Secretary examination.

Professor Christman has served as a consultant on the Mescalero Apache project. He was a senior staff auditor on the Albuquerque City audit in the summer of 1956; he also conducted the audit of the Coronado Credit Union. He was co-editor of the official publication of the New Mexico Society of C.P.A.'s. He was a panel member of the joint meeting of the C.P.A. Society and the State Bankers meeting, December 1956.

Both Professors Parish and Huber have had fellowships, along with approximately 30 others chosen throughout the West, the Annual Institute on Competition and Free Enterprise held at Claremont College, California, Parish attending in June 1956 and Huber in June 1957. Professor Reva received a Fellowship from the Foundation for Economic Education to work

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with the New York Life Insurance Company for the summer beginning June 10, 1957, and lasting four weeks.

Professor Huber has been made Director of the new University College and will begin his duties July 1, 1957. He will continue to teach the course in Business Law in the College. During the year he has served as a consultant in various legal matters, and also served as an arbitrator in a local labor dispute. He has served as chairman of the Policy Committee and also chairman of the Student Publication Board, as well as several Committees in the College.

Professor Reva has been quite active with various groups in the community. For two years she has been guest lecturer at the Kirkland Air Base. She moderated two panels for the American Business Writers Association in December 1956. She estimates that she has given 18 or 20 talks to various business and professional groups. She has been made Chairman of the National Committee for National Council of Catholic Women, Washington, D. C.

Professor Parish has been professionally active in a number of ways. He served as a consultant in a Federal Court case involving a building products company; and also in the same capacity before the New Mexico Corporation Commission on a passenger bus franchise case. He was chairman of a discussion group of the Great Plains Conference, Norman, Oklahoma, October, 1956. He read a manuscript before the Institute of World Affairs, University of Southern California, December 1956 on "The Relationship of Democracy and Free Institutions to Production; and also a manuscript before the Institute of Freedom and Competitive Enterprise, Claremon College, June 1956, on "Division of Labor and Non-Economic Values." He was a

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director of the New Mexico Assembly, September 1956, a member of the City of Albuquerque Personnel Board, and President of the Sandia Foundation.

IX. Activities in learned and professional societies.

Professor Mori: Chairman, Education and Scholarship Committee,
New Mexico Society of Certified Public Accountants.

Professor Reva: New Mexico Membership Chairman for the National
Business Educational Association.

X. Important study and travel.

None reported, except as mentioned in other parts of this report.

XI. Gifts.

Scholarship in Accounting.	\$250.00
New Mexico Society of Certified Public Accountants.	

Award in Accounting.	50.00
Women's Auxiliary of New Mexico Society of Certified Public Accountants.	

Report to the Faculty--Tuesday, April 9, 1957
Wm. J. Parish

FORD PROGRAM FOR THE MORE EFFECTIVE UTILIZATION OF TEACHING RESOURCES FINANCED IN LARGE MEASURE BY A GRANT FROM THE FUND FOR THE ADVANCEMENT OF EDUCATION

1. The program embraces the College of Business Administration and four departments in the College of Arts and Sciences--Economics, English, Government, and Mathematics. The whole program is being evaluated by the Department of Psychology.
2. The definition of the phrase "the more effective utilization of teaching resources" as employed in this program is:
 - a. the raising of the quality of education; and
 - b. the reducing of the instructional cost per student using the present level of faculty salaries as the basis for comparison with the expectation that a large portion of the savings so made would be returned to the faculty for higher levels of salaries.
3. The College of Business Administration began its program this fall. As far as the objective of savings in instructional costs is concerned:
 - a. the business school reduced total class-room hours 25.6% or a total of 75 class-room hours for the academic year. It did this by dropping two courses; by merging two others; by eliminating sectioning in many courses; and by offering a number of courses less frequently. The student, however, has as many offerings to choose from as he had before and he has as equal an opportunity to take these courses in a four year stint as he had before.
 - b. The major required courses at the upper division level have been approximately doubled in size. These courses were averaging about 45 to 50 students per section; they are now 90 to 100. They will be somewhat larger next fall. The student-faculty ratio has thus been greatly increased.
 - c. exactly the same full-time equivalent faculty as we had in 1955-56 is necessary in spite of the 25.6% reduction in class-hours because we have

reduced faculty teaching loads 25%. Each full-time faculty member in the business school has been placed on a nine-hour teaching load. However, the College is in a position to accept substantial increases in enrollment without increasing the size of its faculty unless, of course, new areas of study are to be opened.

- d. This reduction of faculty teaching load with the same sized faculty has been accomplished in the face of a minor increase in day-time enrollment but a substantial increase in business course evening enrollment.
- e. It had been expected that extra sections of day-time courses offered in the evening would require a 12-hour teaching load for those who offered these evening sections. This extra 3 hours did not, however, prove necessary for any member of the Business Administration faculty this year even though one full-time member of the faculty has been teaching part-time and one part-time member has been ill and not able to teach this semester.
- f. This has been done while maintaining at least the same elasticity of substitution of faculty in case of illnesses or sabbatical leaves as had existed previously when the 12-hour teaching load was in effect. Actually there has been more elasticity in the sense that it is easier for a faculty member to stretch 9 hours to 12, than 12 hours to 15.
- g. Additional costs have been incurred in the purchase of several visual aid machines and in the filling of our past quota of graduate assistants; also through a greater use of superior senior students and the hiring of one townspeople as a part-time grader. These additional costs, however, have been, and will continue to be, no more than one-third the cost of additional faculty that would have been needed under the previous approach.
4. As for the objective of raising the quality of education:
 - a. It is hoped that the nine-hour teaching load will encourage more thorough class preparations and improved methods of presentation.

- b. It is hoped that larger classes themselves will prove more demanding upon quality of instructional presentations and preparations.
- c. If indeed such a program results in higher salary levels than otherwise would have been the case, it is to be expected that higher quality faculty can be maintained. In any case, the span of influence of quality faculty will be greater.
- d. In the program a deliberate attempt has been made--and apparently with much success--to work into these larger classes more independent work on the part of the students and to require much more writing through an emphasis on essay-type examinations and the assigning of frequent library reports.
- e. Through various divisions of labor--graduate students, senior students, faculty, and others are sharing the increased volume of grading that is necessary. Reports are graded as to content in the various courses and separately for literary and grammatical skills. Our experience so far is that the grading is superior in some respects to other years; that students are gaining much in conceptual grasps of problems; that they are not only retaining their earlier English instruction but are adding to it; and the faculty itself is less burdened with grading chores.
- f. It is hoped that the quality of graduate student will rise as a result of this experiment. Early returns indicate this is happening. Our program attracted a few superior individuals last fall. We are actually having competition for the graduate assistantships we are offering next fall. (In the business school this is beyond memory.)
- g. It is hoped, as the cost pinch of the future squeezes harder, that the savings made through larger classes will permit a number of small classes, particularly at the senior and graduate levels, to be offered without concern as to the cost.

h. As far as quality results so far experienced are concerned, there is much to give us encouragement. One rather serious failure has marred the gains. In one freshman class our "drop-outs" were of higher than normal magnitude. We think we know, however, some of the causes of this and that next year's try will be more successful.

5. In this semester the program continues but it has been expanded to include four other departments:

a. Economics.

Professor Wollman is conducting an experiment in the principles of economics where he is lecturing once a week to a large class and then the students are broken into two sections--each attending a two-hour laboratory and a one-hour quiz section once a week.

b. English.

Professor Wicker is experimenting with a large class in Informative Writing which is a consolidation of about two and one-half normal sized sections. As part of the assigned work, the students are writing reports in other classes--for the most part in American Government--where they are graded for content and are re-graded in Professor Wicker's class for literary quality.

c. Government.

Professor Richards is teaching three sections of American Government--one large, one medium, and one small. Each are being taught through the discussion method. It is this course that is cooperating in a writing experiment with the Informative Writing class.

d. Mathematics.

Professor Lewis is teaching a large class in College Algebra making use of visual aid equipment and small discussion sections.

e. All of these classes are made up, largely, of business administration students. The psychology department has taken great pains to set up measurement devices of one kind or another in order to be able to give a reasonable appraisal of the program. It is now too early to give any useful conclusions regarding the experiment except as has been indicated in sections 3 and 4 above.

The Report of the College of Education
July 1, 1956 - June 30, 1957
Chester C. Travelstead, Dean

1. Significant achievements during the academic year, 1956-57.
 - a. Perhaps the most significant achievement was the initiation of a doctoral program in Education leading to the degree of Doctor of Education or Doctor of Philosophy. The approval of this new advanced degree program by the general faculty of the University at its March, 1957 meeting was the culmination of about two years of work by members of the College of Education faculty.

Three highly qualified students were then selected to begin the program during the 1957-58 school year.

This program was cooperatively planned by representatives of the University and other state-supported colleges and universities in New Mexico and is to include work both in professional Education and in subject matter areas.

- b. Also, a new master's degree program in Guidance and Counseling was planned by the College of Education and approved by the general faculty at its May, 1957 meeting. The chief purpose of this new degree program is to prepare well qualified persons to carry on guidance and counseling duties in the state's elementary and secondary schools.
 - c. During the period covered in this report selected members of the College faculty prepared and submitted to the United States Office of Education a proposed research

project designed to investigate the problems related to the integration of Indian and non-Indian children in New Mexico's public schools. This proposal was approved during June, 1957, and a sum of approximately \$66,000 is being contributed by the U. S. Office of Education to help carry out this project over the next three years (August 1, 1957 - July 31, 1960).

- d. A plan was designed and carried out to facilitate the exchange of faculty members for summer teaching. In accordance with the general summer session regulation, College of Education faculty members will, in general, teach here at the University no oftener than two out of each three summers. The exchange plan, set up during the 1956-57 school year, included the scheduling of three of our regular faculty members to teach in other universities during the 1957 summer, and bringing to the University six visiting professors for this same summer.
- e. The workshop in Music Education held in June, 1957 for elementary school classroom teachers was an outstanding success - educationally and financially. The first endeavor of its kind on this campus, it drew an enrollment of 130 and was conducted by Dr. Lilla Belle Pitts of Columbia University, and by Dr. John Batcheller of the College of Education faculty.
- f. Several other workshops and seminars were sponsored by the College but will not be listed here. A new and

significant effort, however, was made by the Department of School Administration in its seminars offered in June, 1957 for practicing school administrators. Well attended and well received by these school administrators, these seminars give indication of an awareness on the part of the College of its obligation to help teachers and administrators in the state with their school problems.

- g. Appointment and functioning of a College Committee on Aims and Objectives. This committee will continue to study the aims and objectives of the College of Education and will make recommendations to this faculty concerning changes and improvements which might be made.
 - h. Planning for a pre-school work session for all members of the College of Education faculty to be held September 16-20, 1957.
2. Significant plans and recommendations for the near future.
- a. The successful completion of the research project described in 1(b) by July 31, 1960.
 - b. Working toward the establishment of an adequate child guidance clinic on the U.N.M. campus. This would be done in cooperation with the Department of Speech, the Department of Psychology and other interested agencies at the University.
 - c. Development and carrying out of programs designed to prepare teachers for exceptional children (orthopedically handicapped, mentally retarded, cerebral palsied, spastic, gifted, those with speech and hearing defects, and others).
- Very little has been done about this matter in New Mexico,

and all available evidence indicates that the need is great.

- d. Closer working relationship between the College and the Albuquerque Public Schools in connection with the professional laboratory experience included in the preparation program of prospective teachers.
- e. Continued study on the advisability of possible reorganization of the College. This matter is being approached on the basis of meeting needs most effectively.

3. Appointments to staff

- a. Persons named below were appointed prior to July 1, 1956, but the effective date of their appointments was September 1, 1956:

John Batcheller, Art Education
 George Keppers, Guidance and Counseling
 Margaret Rauhof, Elementary Education

- b. Paul Petty was appointed during the month of July, 1956 and began his duties as Chairman of the Department of School Administration on September 1, 1956.
- c. The persons listed below were appointed during the period covered by this report (July 1, 1956-June 30, 1957) but the effective date of their appointments is September 1, 1957:

Duane R. McClary, Industrial Arts
 Armond Seidler, Chairman, Department of
 Physical Education for Men
 Jack Taylor, Art Education
 Eugene Timmerman, Secondary Education
 Miles Zintz, Elementary Education
 Miss Leona Prince, secretary in office of the
 Dean, appointment effective June 14, 1957.

For further details concerning these appointments, see
 departmental reports.

4. Separations from staff
 - a. John Batcheller was changed from joint appointment in
 Art Education Department and Music Department to full
 time in Music Department, effective September 1, 1957.
 - b. Mitchell Voydat resigned to accept position in
 Farmington, New Mexico, Public Schools, effective
 August 9, 1957.
 - c. Mrs. Mareth Hofheins resigned, effective June 30, 1957.
5. Publications
 - a. Articles

TRAVELSTEAD, CHESTER C. "A State University and
 Its Campus," Spotlight, (Journal of the New
 Mexico School Boards Association) Vol. 2, No. 7,
 April, 1957

(See departmental reports for others)
6. (See departmental reports)
7. (See 1(b) in this section and departmental reports)

8.) Other professional activities

9.)

Speeches (Chester C. Travelstead)

- a. New Mexico Education Association (Central District meeting, April, 1957 in Albuquerque)
- b. New Mexico Education Association (Eastern District meeting, May, 1957, at Portales)
- c. Pi Lambda Theta (Honorary Sorority in Education) (Albuquerque, October, 1956)
- d. Parent-Teacher Associations (Nine separate speeches before school groups in Albuquerque area)
- e. Albuquerque Rotary Club (July, 1956)
- f. Sandia Kiwanis Club (October, 1956)
- g. Music Educators National Conference (Northwest Division meeting, Boise, Idaho, April, 1957)
- h. Music Educators National Conference (Southwestern Division meeting in Denver, Colorado, March, 1957)
- i. Albuquerque Chapter, National Association for the Advancement of Colored People, March, 1957)
- j. Commencement, Albuquerque Indian School, May, 1957
- k. Commencement, Santa Rosa (New Mexico) High School, May, 1957
- l. Commencement, Jefferson Junior High School, Albuquerque, May, 1957
- m. Alpha Delta Kappa (Honorary Sorority in Education) (Albuquerque, February, 1957)
- n. Annual Conference of New Mexico School Administrators Cooperative Program in Educational Administration), Santa Fe, July, 1956.
- o. Alamogordo Teachers Association (August, 1956)
- p. Grants (New Mexico) Teachers Association (August, 1956)
- q. St. Mark's Episcopal Church (Albuquerque, February, 1957)
- r. U.N.M. Chapter, AAUP (March, 1957)

Consultancies (Chester C. Travelstead)

- a. New Mexico School Study Council (1956-57)
 - b. Artesia Public Schools (March, 1957)
 - c. Belen Public Schools (January, 1957)
 - d. Estancia Public Schools (January, 1957)
 - e. Gallup Public Schools (November, 1956)
10. Study and Travel - (See departmental reports)
 11. Gifts - None

The Report of the Department of Art Education

July 1, 1956 - June 30, 1957

Alexander Masley, Chairman

1. Significant achievements during the academic year, 1956-57.

A completely cooperative curriculum was put into effect this year that had been organized earlier through the joint efforts of the (Fine) Art Department and the Department of Art Education. The curriculum as set up by the Department of Art Education, but with minor changes, and the advisement by Dr. Masley of all students in both departments who are working for state certification in education has simplified and made more effective the teacher training program in art on this campus.

Total space in the art education building is now being used to the near maximum with three practically full sections of Art Education 17 and 18. Additional equipment has been added to the shop enabling students to work on almost any kind of art education project.

2. Significant plans and recommendations for the near future.

With continued increase in enrollment it becomes apparent that more classroom space will ultimately be needed by this department. Unlike ordinary lecture classrooms, the studio-lecture type room needed for art education requires special considerations. It is hoped that in the near future more and better use may be made of audio-visual materials in the form

tapes, slides and films. Possible additional space may be provided by utilizing outdoor space immediately West of the building. This will necessitate the construction of work surfaces and an overhang to filter out the sunlight. If the department is to continue to occupy H-1 for an indefinite period of time, some thought should be given to the incorporation of this outside space for classroom use.

3. Appointments to staff.

Dr. John Batcheller was appointed on a half time teaching basis in art education for the school year 1956-57. He was recently appointed to a full time basis in the music department where he will become a regular member of the staff.

Mr. Jack Taylor, of Westminster College, has been appointed to an instructorship in art education for the school year 1957-58. He will be on a full time basis and will teach courses set up for elementary education majors.

4. Separations from staff.

With the appointment of Dr. Batcheller on a half time basis during the summer of 1956 the Teaching Assistantship in the department was discontinued.

With the appointment of Mr. Jack Taylor for the school year 1957-58 the Graduate Assistantship in the department will be discontinued.

5. Publications.

(a) Books and monographs.

No books were published this year.

(b) Articles.

BATCHELLER, JOHN M. "The Successful Music Teacher,"
New Mexican Musician, IV, 2, (April 1957), 7.

6. Completed research projects.

No research projects have been completed.

Art education in the Indian schools of New Mexico research project by Dr. Masley is in process.

7. Outside-sponsored research.

No outside-sponsored research in art education.

8. Other professional activities.

Dr. John Batcheller: "Elementary Music Education" read at New Mexico Music Educators Association Convention.

"The Profession of Teaching Music" lecture to student body of the Music Department.

"Music Reading Readiness" Music Educator's National Conference lecture at Denver, Colorado.

Chorus Master for the Albuquerque Civic Chorus.

Chorus Master Albuquerque Civic Symphony.

Conductor, Southwest premiere of Puccini's "Messa di Gloria."

Dr. Alexander Masley: Art education consultant for teachers of the Carlsbad Public Schools two day conference September, 1956.

Chairman of organized panel discussion "Art Education in the

Community Schools of New Mexico" sponsored by the State Art Committee, AAUW, Tucumcari, New Mexico.

Addressed PTA meeting Montezuma Elementary School, Albuquerque. "A Creative Approach to Children's Art."

Addressed Parents Club Trinity Methodist Church, Albuquerque. "Developmental Stages in Children's Art."

Addressed sectional meeting of art teachers in Amarillo, Texas. "Developing and Maintaining Creativity in Children."

Member of committee advising and recommending curriculum changes in Indian high schools of the United Pueblo Agency.

Chairman of the educational committee revising the State of New Mexico Arts and Crafts Curriculum Guide, at the elementary level.

Exhibited in several local and distant shows.

Awarded Purchase Prize at the Annual Southwest Print Show, Dallas Museum, Dallas, Texas.

9. Activities in learned and professional societies.

Dr. Masley: Member of the Council, Pacific Arts Association, Western Arts Association, and the New Mexico Art Education Association. Member of the committee on Research in Art Education, National Art Education Association. Committee member, Art Education in Rural Schools, and International Red Cross Sponsored Exchange Exhibitions in Art Education.

10. Important study and travel.

Travel was limited to the meeting of the New Mexico Art Education conference in Silver City, and the National Art Education Association Convention in Los Angeles.

11. Gifts.

No gifts have been received by this department.

EDUCATION PLACEMENT BUREAU

Frank Angel, Director

The Education Placement Bureau functioned in much the same manner as it has operated the past few years. A description of procedures used in processing applications indicates the general operation of the bureau during the past year as follows:

1. Students who are graduating are contacted and told about the services of the bureau.
2. A fee of \$2.00 is charged each applicant.
3. Each applicant is requested to fill out a resumé of his educational experiences and is also asked to furnish a number of references.
4. These references are contacted and asked to reply regarding the applicant's competency and character. Six copies of each reference and of the questionnaire are then typed and compiled into credential folders with a picture of the candidate attached.
5. Lists of available positions are sent to registered applicants, in state, in other states and foreign countries. Lists of registered applicants are sent at intervals to school administrators throughout the state.
6. Applicants are encouraged to write to the superintendents inquiring about positions and are told to refer these administrators to the bureau from which credentials are immediately sent upon such request. Each credential folder sent is subsequently returned to the bureau when the administrator has fulfilled his purpose. There the credentials are kept on file, and annually updated.
7. During late spring, summer, and early fall the bureau is at peak activity since it is at this time that superintendents are seeking teachers; however, the bureau does receive requests for teachers throughout the year. During the entire year, the bureau is checking and updating information in teacher credential folders.
8. Interviews are frequently arranged in the placement bureau offices between applicants and administrators.

Secretarial arrangements for the Education Placement Bureau have been marked by a succession of personnel working in secretarial positions. Each secretary has worked for a one year period. Miss Joan Reece was hired and worked from September 1, 1955 to May, 1956 at which time Mrs. Stanlibeth Kight took her place. Mrs. Kight worked from May, 1956 through February, 1957 at which time Mrs. Eva Benner took her place.

Mrs. Kight had been promised one week of paid vacation. Finances for this had not been included in the budget. Since Mrs. Benner was hired at a higher salary than Mrs. Kight, the week's vacation granted Mrs. Kight and the additional amount for Mrs. Benner's salary in the 1956-57 fiscal year called for additional revenues. Dean Travelstead brought the matter before Dr. Castetter. Arrangements in 1956-57 with the New Mexico School Boards Association called for a contribution by them of \$600.00 toward the secretary's salary.

Attention given in a more ~~ag~~gressive manner to the development of the Education Placement Bureau services has made for heavier demands than heretofore on the secretary. Should this level of operation be carried in the future, it is suggested that a fulltime secretary be hired for the Placement Bureau with no additional duties on the position other than those related to the operation of the bureau and perhaps some help to professors during slow periods.

The bureau has a real function in helping students find placement. Because of failure to develop this aspect of the bureau, many students in the past had not made use of its services. Enthusiasm of students when the services were made known has shown that this service is really needed. School administrators in this and other states have responded to the new policy. Hence, both from a public relations and a service point-of-view the bureau fulfills a real need, even if no follow-up services are given.

Consideration is being given to the possibility of placing the Education Placement Bureau under the direction of the General Placement Bureau of the University. It was felt that at least a year of operation under the College of Education would be helpful in determining whether such a move is desirable or not.

In the 1956-57 fiscal year beginning July 1, 1956 to June 30, 1957 the total number of candidates registered was 80, and a total of \$160.00 in fees was paid and turned over to the University Comptroller. Teachers placed from January, 1957 to the

present time (July, 1957) totaled 66.

Dr. Paul V. Petty, Chairman of the Department of School Administration, has been assigned the administration of the placement bureau as part of his responsibility. Arrangements have been made for instituting new procedures in the operation of the placement bureau. These are appended.

EDUCATION PLACEMENT BUREAU
ANNUAL REPORT, 1956-57

Frank Angel, Jr., Director

UNIVERSITY OF NEW MEXICO

August 1, 1957

Education Placement Bureau

INFORMATION AND INSTRUCTIONS FOR REGISTRANTS

The Education Placement Bureau was established to help teachers secure suitable positions. The following information and instructions are given to persons wishing to avail themselves of the services of the Bureau. The nominal registration charge provides some assistance in defraying minor expenses only; the Bureau is a service and not a profit-making organization.

I. GENERAL

1. Registrations will be accepted from all qualified teachers and prospective teachers, whether they have attended the University of New Mexico or other accredited institutions.
2. Placement cannot be guaranteed, although the Bureau will make every effort to put registrants in touch with desirable vacancies. The responsibility for carrying on negotiations with a prospective employer is largely with the registrant, after a vacancy has been brought to his attention and his credentials have been forwarded.
3. The Education Placement Bureau assumes that its registrants will adhere to generally accepted ethical practices in applying for positions. This includes the observance of existing contracts.
4. Registrants are reminded that it often requires considerable time to assemble papers and for this reason they may not be notified of a vacancy immediately after their registration.

II. REGISTRATION PROCEDURES

1. Registration forms are secured from the Placement Bureau. These should be filled out accurately and completely. The Placement Bureau will then make five copies for its information sheets. Five file folders will be completed for each registrant. These five copies will permit five requests for a registrant's folder to be filled immediately. Other copies may be prepared if needed.
2. An initial registration fee of \$3.00 is charged for U.N.M. students registering with the Placement Bureau prior to or during the summer immediately after receiving their degree. Teachers and graduates from other accredited institutions, or U.N.M. graduates of earlier years, will pay an initial registration fee of \$5.00. This initial fee will entitle the registrant to five years of service from the Placement Bureau. A registrant will be considered as available for placement for one year following registration,

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then each year following only if he notifies the Placement Bureau. Two lists of available candidates are sent to school administrators of New Mexico and certain out-of-state school systems each year. The first list is sent out near the end of Semester I. The second list is distributed in April. A registrant's name will not be placed on the availability lists after the initial one-year period unless the registrant has notified the Placement Bureau that he is still or is again available for placement. The papers of persons not notifying the Placement Bureau of availability will automatically be placed in the Inactive File after one year. To be placed back on the Active List, the registrant must notify the Bureau of availability. There is no added charge for this service within the five-year period. After five years from the time of initial registration, persons wishing to be placed again on active availability will be charged a renewal fee of \$3.00. Some new references may be required at this time.

3. Registrants are asked to furnish the names of five references. The Education Placement Bureau does not accept more than five initial references. The Bureau will solicit letters from the references provided. Reference letters will not be accepted which have been solicited and furnished directly by the registrant. At the five-year renewal period, only three new references will be accepted from each registrant.
4. Information in the file folder of each applicant is considered confidential and is sent only to authorized, responsible school officials who wish the information to aid them in employing teachers. The Placement Bureau will not send copies of reference letters or folder information to other placement bureaus or to individuals not acting for or as employers.
5. At the time of initial registration five application photographs (preferably 2 x 3 inches) should be submitted with the registration blank. The date when the photograph was taken and the name of the registrant should be noted on the back of the photo. New photos must also be submitted any time the folder is reactivated or brought up-to-date after a five-year period.
6. At the time of initial registration, or thereafter as is appropriate, the registrant should submit a photostat copy of his college credits. All credit transcripts must be sent by the registrar of the institution as a result of a request by the registrant. Transcript copies supplied by the registrant cannot be accepted. Usually a request by the registrant to the last institution from which he received a degree will be all that is necessary to secure a complete transcript. The Education Placement Bureau has an arrangement with the Office of Admissions of the University of New Mexico to secure these transcript photostats with no extra charge.
7. The registrant's telephone number and address must be provided and kept correct while folder is active.

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III. ADDITIONAL INFORMATION

1. The Education Placement Bureau receives requests from school officials both in the state and out of the state throughout the year. The largest number of requests for teachers comes near the end of the first semester, and from April through August of each year. These requests are listed periodically and a copy of the list is sent to registrants on the active list. These lists are never completely up-to-date because the latest requests are not included. The bulletin boards in and near the Placement Office are posted with positions available in order to provide supplementary information.
2. A registrant may wish to apply for a position directly. In such a case it is suggested that mention be made that his papers are on file at the University of New Mexico Education Placement Bureau and will be sent upon request of the school official concerned.
3. From time to time, school officials may wish to interview prospective teachers. The Placement Bureau has facilities available for interviews. The Placement Bureau will be glad to arrange for interviews provided sufficient time is given to notify available teachers and to make arrangements. Usually a notice of one week is sufficient.

REPORT OF THE DEPARTMENT OF ELEMENTARY EDUCATION

July 1, 1956 - June 30, 1957

L. S. Tireman, Chairman

1. Achievements.

- a. The enrollment is slowly increasing. This is especially true in the junior and senior years where we are holding more people.
- b. In cooperation with the Department of Secondary Education, a conference was held to consider the problems of student-teaching in the local schools. Many suggestions were made which are being put into practice.

2. Plans for the near future.

Tentative plans are being formulated to enlarge our program of observation in the elementary schools. Completion of the plans depends upon budgetary considerations.

3. New staff.

Dr. Zintz has been employed as of September 1, 1957. He will give one-half time to Extension Division.

4. None.5. None.6. None.

7. ----

8. Other professional activities.

a. L. S. Tireman

- (1) has acted as consultant to the Houston Public Schools dealing with their problems with the non-English-speaking children.
- (2) spoke at the regional meeting of the teachers in the Indian Service at Fort Defiance, Arizona.
- (3) spoke at a similar regional meeting of Indian teachers at Shiprock, New Mexico.
- (4) assisted in a school survey at Estancia.
- (5) wrote an Opinion for the Driscoll School Case in Texas.

b. Prof. Rauhof

- (1) gave three speeches to P. T. A. groups.
- (2) gave an address to the Women Administrators at the state N. M. E. A. convention,
- (3) spoke at the primary sectional meeting of the N. M. E. A.

9. ----

10. Tireman attended tri-state meeting of the A. S. C. D. in Casper, Wyoming.

The Report of the Department of Home Economics
July 1, 1956 - June 30, 1957
Grace L. Elser - Chairman

1. Significant achievements during the academic year, 1956-1957.

A second meeting on Home Economics curriculum for Majors in Education was held on the University campus in October, 1956. This was a follow-up of the one held here in April of the same year. The four staff members participated in it with representatives of the Home Economics Departments of the other four state institutions of higher learning in New Mexico, with a representative from the Education Department of Highlands University and with the two members of the Home Economics Education staff of the State Department of Education. This meeting was to bring Home Economics requirements for teachers more nearly in line with Plan III, for the Five Year Provisional Secondary Certificate in New Mexico. This is 36 semester hours in one composite teaching field and one teaching minor of 15 semester hours. The requirements developed at this meeting were submitted to the State Board of Education and have been approved. They will now be the requirements for a certificate to teach Home Economics in federally supported schools in New Mexico.

In line with the above recommendations, our requirements in home economics for majors in Education are now 39 or 40 hours and some other requirements have been changed so that

more electives are permitted. This will make it possible for students to get 15 hours in a teaching minor.

In February, 1957, the Department served as hostess for the area meeting on Foods and Nutrition. About 25 representatives were on the campus from colleges which teach Home Economics in New Mexico, California, Arizona and Southern California. This is part of the nation-wide study being made on curriculum and methods in Foods and Nutrition classes, especially for the first two years.

The Department has acted as hostess for the last few years for the college Home Economics Clubs in New Mexico. This meeting is held during the time of the meeting of the New Mexico Education Association. In October, 1956, the college girls voted that from now on the meeting will be held in the spring on the campus where the state president is a student. As we have the state president for next year, it will be held here again, probably in April, 1958.

The Home Economics Department has continued to offer four curriculums for majors as in the past. This year we have had 69 majors with other students taking courses in the Department. There were a total of 234 women and 26 men enrolled in these courses.

2. Significant plans and recommendations for the near future.

In the 1956-1957 report is shown a projected estimated enrollment. As the enrollment has increased, it will soon be

necessary to offer the Child Development course every semester.

We urge that a different arrangement be made for the Home Management House-Nursery School, so that it will be in an area controlled by the University. As stated in previous reports the present one is located at 1621 Roma N.E., which is in a residential zone. Eventually separate arrangements will have to be made for the Nursery School and Home Management House so the Nursery School may be operated as a laboratory every semester for the Child Development course. This seems desirable by the school year, 1958-1959.

In regard to the special courses for dietitians, an arrangement might be worked out with the head dietitian at County-Indian Hospital to use their facilities as the laboratory for at least part of the course. If a dietitian working part-time at the County-Indian Hospital can be employed to teach these special courses it might be a more satisfactory way to have facilities for the courses H.E. 150L, Large Quantity Cookery, H.E. 159, Institutional Management, and H.E. 151, Diet in Disease. This would also offer more opportunity for some supervision of the laboratory work by our Department.

3. Appointments to staff.

Mrs. Grace MacCallum was appointed as a part-time instructor in September, 1956, to teach the course H.E. 159, Institutional Management for the first semester. She has her

Master's degree from Teachers' College, Columbia University.

Miss Ruth Titus was appointed as a part-time instructor to teach the course H.E. 151, Diet in Disease, in the spring semester.

5. Publications.

(b). Articles.

STELLER, ORMAJENE. Co-Author "Leakage of Egg-White Meringues". Journal of Home Economics (November 1956).

8. Other professional activities.

a. Mrs. Grace L. Elser - Chairman.

Participated in and acted as hostess for the four state area conference on Teaching Foods and Nutrition at the College Level, which was held on our campus in February, 1957.

Participated in Pacific Regional Conference on Home Economics Education, Phoenix, Arizona, April, 1957.

Participated in post-conference workshop on Action Research conducted by Dr. Fred Barnes of the University of Illinois and Dr. Selma Lippeatt of the U.S. Office of Education.

Member of committee for wedding receptions of Immanuel Presbyterian Church.

b. Miss Florence Schroeder

Continued as member of the following Boards in the community: Martineztown Community Center, Program

Committee; Special Education Center; Family Consultation Service, nominating and membership committee. Member Phi Mu Service Committee; Preschool Consultant for Special Education Center and for Martineztown Community Center Nursery School and Kindergarten.

c. Miss Imogean McMurray

Attended American Home Economics Association Convention, Washington D. C., June 25, 29, 1956. Reported on AHEA Convention and Textile Industry seminar at State Home Economics Association at the time of the New Mexico Education Association meeting, October, 1956.

Judge for state contest, "Make It Yourself With Wool" contest, State Fair, Albuquerque, New Mexico. Sunday School teacher for Junior girls, First Baptist Church.

d. Miss Ormajene Steller

Participated in and acted as hostess for the four state area conference on Teaching Foods and Nutrition at the College Level, which was held on our campus in February, 1957.

9. Activities in learned and professional societies. The four staff members belong to Kappa Omicron Phi, national professional honorary in Home Economics. They participated in the meetings on the campus.

a. Mrs. Grace L. Elser

Continued as sponsor of Kappa Omicron Phi, home economics professional honorary, and as sponsor of Pi Lambda Theta, honorary for women in Education. Member of University Building Committee.

b. Miss Florence Schroeder

Continued as Regional Chairman "Child Development and Family Life Education", Committee of American Home Economics Association.

c. Miss Imogean McMurray

State news editor of New Mexico Home Economics Association. Continued as Home Economics Club Advisor at the University.

Member of University Schedule Committee.

d. Miss Ormajene Steller

Treasurer of Albuquerque Professional Home Economics Club.

10. Important study and travel.

a. Mrs. Grace L. Elser

Speech I, University of New Mexico, summer 1956.

b. Miss Florence Schroeder

Working on analysis of data and writing of doctoral thesis "Some Beliefs and Practices of Jemez Mothers Regarding Child Rearing in the Preschool Years in Relation to the Educational Status of the Mothers".

c. Miss Imogene McMurray

Attended Textile Industry Seminar, Wilmington, Delaware and New York City, July 1-5, sponsored by four leading fiber producers.

Attended Workshop for College Teachers of Clothing and Textiles in Pacific Region, Colorado State University, Ft. Collins, September 4-6 and reported on above Seminar.

d. Miss Ormajene Steller

Physiology Course, Manchester College, Indiana
S.S. 1956
Diet and Disease course, University of New Mexico,
Spring 1957

11. Gifts.

The Home Economics Club of the University of New Mexico, gave \$10.00 to the Department to purchase an India brass bowl.

THE REPORT OF THE DEPARTMENT
OF INTERCOLLEGIATE ATHLETICS
July 1, 1956 - June 30, 1957

Pete McDavid, Director

I. Significant developments during the academic year, 1956-57.

At the varsity level, our teams have competed satisfactorily in the following sports - football, basketball, track, baseball, tennis, wrestling and golf. The University golf team, coached by Mr. Dick McGuire, won the Skyline Conference Championship this past season. This team finished the year undefeated in play against the other Conference teams. Student-athlete Herb Wimberly brought further prestige to this group by winning the individual Conference golf championship. Other outstanding feats involving individual championships are worthy of mention. Student-athlete Buster Quist won the following first places in major meets throughout the United States--Kansas Relays, Skyline Eastern Division, Skyline Conference, Laredo--Border Olympics. He gained further distinction by placing sixth in the N.C.A.A. Championship Meet in Austin, Texas, thus becoming New Mexico's first athlete to score in such a meet. Student-athlete Jack Kennedy, a freshman, culminated the tennis season by winning the Skyline Conference title. In the Number 1 Singles Division, Jack was undefeated in Skyline play throughout the entire season. Student-athlete Joe Ferguson, a senior, was the Conference champion in the Number 2 Singles Division. Student-athlete Monte Doyle, a freshman, was the champion pole vaulter, winning or tying for a first place in all meets in which our team competed. He, too, won the Skyline Conference title in the pole vault event.

The aggressive recruiting program initiated by our coaching staff is beginning to show results and this is exemplified through the improved show-

ing of our varsity sports teams. In the two major sports, football and basketball, the coaches and other officials of the school were successful in interesting and enrolling a great majority of the outstanding athletes graduating from the state's high schools this past year. Our coaching staff has continued a successful public relations program, and it is thought that this will continue to benefit our overall program.

More than one hundred appearances were made by our various staff members, including speeches at high school banquets, college banquets, service clubs, radio and television appearances, participation in high school career days and participation in alumni and booster club gatherings. A great number of tournaments and athletic contests throughout the state were attended, and in many instances, our coaching staff assisted local officials in sponsoring these meets. All major New Mexico high schools were visited and also numerous schools in Iowa, northern Illinois and a limited number in Kansas, Texas, Colorado and Arizona.

Coach Dick Clausen appeared weekly in two television shows throughout the entire football season. The Dick Clausen Show emanated from KGGM-TV in Albuquerque. This was a full one-hour program and was shown every Wednesday night. He also made a weekly appearance on a half-hour show emanating from KSWs-TV in Roswell. The response and benefits accruing from these two shows have been most gratifying. Plans for the future call for a continuation of these two programs and a possible expansion which would include participation by other staff members also.

Through cooperation with the Sports Publicity Department, Coach Clausen taped a weekly football program which was used by eight stations throughout

the state. This particular program will also be continued and it appears that an even greater number of stations will be participating this coming year.

II. Significant Plans and Recommendations for the near future.

Our new baseball field was put in use for the first time during the 1957 season. This has proven to be one of the finest playing areas in the entire Southwest and is a definite asset to this sport. With the opening of our new Johnson Gymnasium this fall, a very attractive basketball schedule has been arranged. There will be fifteen home basketball games played this year, highlighted by the dedication series to be held on December 27 and 28. Wisconsin, Michigan and Wyoming Universities are joining our own school in playing a two-night stand as a part of the dedication activities. The University of New Mexico and the City of Albuquerque should both be prepared to bid for the State High School Basketball Tournament for the 1957-58 season. With proper planning, it is felt that the University should be able to sponsor this tournament for the New Mexico High School Activities Association for many years to come.

Johnson Gymnasium will include the finest facilities possible for fostering a well-rounded aquatics program. There should be close cooperation between the Athletic Department and the College of Physical Education in attempting to hire an individual capable of administering a well-rounded program. He should be a person capable of coaching the swimming team, advising and teaching physical education courses in swimming and should be given complete charge of administering all of the swimming activities.

The University of New Mexico will host the Skyline Conference track and field championships in Albuquerque next year on May 23 and 24. This is the first time that our institution has sponsored a major championship meet since joining the Conference. It has also been proposed to hold the Conference championships in tennis here and plans are already being formulated to make both of these meets successful.

III. Appointments to Staff.

Carl Earickson, Athletic Equipment Manager, July 1, 1956.

The Report of the Department of Physical Education
For Men
July 1, 1956 to June 30, 1957
Roy W. Johnson, Chairman

1. Significant achievements during the academic year, 1956-57.
 - a. All prospective physical education majors and minors will be enrolled in the General University College for the first two years.
 - b. The new regulation passed by the College of Education regarding professional, general and elective courses was placed into effect starting with the freshman class in the Fall of 1956.
 - c. Twelve male students will receive their Bachelor Degree in Physical Education in June of 1957. Two male students completed their requirements for a Degree in February of 1957.
 - d. Making use of three fairways of the old golf course for varsity and physical education activities.
 - e. Completion and use of new grassed baseball field.
 - f. The fine cooperation of the football coaches in taking over a few physical education activity classes.
 - g. A Test Program started in the Fall to place entering freshman in activity classes in accordance with their needs.
 - h. An extension class in fencing given by a volunteer instructor at night.
 - i. Other achievements routine.
2. Significant plans and recommendations for the near future.
 - a. Continued use of Athletic Coaches in teaching academic and activity classes.

- b. an expanded program in gymnastics, swimming, squash; handball, boxing, wrestling. Recreational activities, intramurals, team and individual sports made possible by the splendid facilities in the new gymnasium.
- c. Restrict the use of the new gymnasium and out-door areas to University students.
- d. Addition of two graduate assistants to take care of added teaching stations made possible by the new gymnasium facilities.
- e. Charge a lock and locker fee of two dollars per year for all students enrolled in physical education classes, and five dollars per year for students not enrolled. This fee to be collected by the Men's Physical Education Chairman. This fee to be refunded at the end of the year, if student has proper clearance.
- f. The University to furnish locks, towels, gymnasium equipment, swimming suits to all those enrolled in physical education classes.
- g. Procurement of a suitable campsite to provide laboratory space for the camping course.
- h. a separate budget be granted for the Graduate Division of Health and Physical Education.
- i. Charge a student fee of \$5.00 per semester for the courses in golf and riflery.
- j. To prevent duplication in buying equipment, consolidate intramurals with physical education.

- k. Provide sufficient personnel to properly service the new gymnasium.
 - l. A degree in the coaching of major sports should be added to our present curriculum.
 - m. Require first aid and personal hygiene courses for all freshman to meet the requirements for our National Civil Defense.
 - n. Add eight new tennis courts between the new gymnasium and the Mesa Vista Dormitory.
 - o. Eliminate all general survey science courses and revive the requirements of Chemistry I and II for all physical education majors.
 - p. Combine general safety education with first aid.
 - q. Offer Doctor's Degree in physical education.
 - r. Offer a varied physical education program for the community by means of night classes in the new gymnasium.
 - s. Take the lead in promoting a comprehensive physical education program throughout the state in the junior high school and high school level.
3. Appointments to staff.
- a. Mr. Armond Seidler was appointed as Chairman of the Department of Health, Physical Education and Recreation for Men. His appointment will become effective September 1, 1957,
 - b. Mr. Roy Johnson will be released from the Chairmanship, September 1, 1957. He will continue as

professor of physical education until his retirement on September 1, 1958.

4. Separations from staff.
 - a. none
5. Publications.
 - a. None
6. Completed Research Projects.
 - a. None
7. Outside-sponsored research.
 - a. Burley, Loyd: developed program for research for the Southwest District AAHPER Convention in Long Beach.
 - b. Clements, Woodrow: a study of traffic violations and their relationship to sound driver education.
 - c. Clements, Woodrow: a check list to be used in home safety.
8. Other professional activities.
 - a. Mr. Woodrow Clements gave Commencement Address at Quemado High School; was the main speaker at a Father and Son's Banquet at La Mesa Elementary School.
 - b. Mr. Loyd Burley gave the following speeches to the Southwest Community League.
 1. "Some Reflections on Twenty Years of Work with Youth to Group Work Recreation."
 2. "Ways in Which Community Recreation can be Coordinated."
 3. "Possible areas for an Investigation to Determine the Need, Demand, and Advisability of a Community Recreation Program."

- c. Mr. George White coached the University Tennis Team.
 - d. Mr. George Petrol coached the University Baseball Team.
 - e. Mr. Willis Barnes coached the University Wrestling Team.
 - f. Mr. Roy Johnson coached the University ^{Track} ~~Golf~~ Team.
9. See Annual Supplement to Biographical Record.
10. Important study and travel.
- a. Dr. Loyd Burley is taking sabbatical leave to study physical education and recreation programs in Scandinavia (1957-58).
 - b. Mr. Woodrow Clements attended the Safety Workshop at Silver City, New Mexico sponsored by the New Mexico Western University.
11. Gifts.

The J. Korber Scholarship of \$30 per month for nine months has been continued for another deserving physical education major or minor in the Department of Physical Education for men.

Report of the Department of Health and Physical Education
for Women
July 1, 1956 - June 30, 1957
Mercedes Gugisberg, Chairman

1. Significant achievements during the academic year, 1956-57.
 - a. A Folk Dance Institute for teachers of physical education, recreation leaders, and elementary classroom teachers was held at the time of NMEA with Miss Anne Pittman of Tempe State College as the Director.
 - b. Interdepartmental activities of the Staff included Miss Waters' choreography for the Rodey production "Gentlemen Prefer Blondes," discussions on the need for a major in recreational leadership with others as Dorothy Cline, discussions with certain departmental chairmen on the health education responsibilities of the University, and planning for a joint health education workshop with the College of Nursing.
 - c. The second annual State Tennis, Golf, and Swimming Sportsday was held with girls from eight high schools competing.
 - d. The second annual William H. Tucker College Invitational Golf Tournament was held in October. Six colleges from Arizona, Colorado, Texas, and New Mexico participated in the Women's Division. Invitations for this tournament in October have already been mailed.
 - e. In the continuation of the study concerning the University responsibilities in school and public health education, the "Committee" selected certain projects: the development of an experimental pilot school program;

an evaluation of the effectiveness of the College of Education offerings in health education; and, student health.

- f. Students were involved to a great extent in Departmental activities and functions. Under Miss Frances McGill's leadership, the Executive Committee of the Women's Recreation Council has developed into a student controlled and democratically functioning group. Miss Orcilia Zuniga attended the National Convention of the Athletic and Recreation Federation for College Women and has discussed with the Staff and with the WRA trends in competition for college women. The Waterloos aquatic shows and the horseshow were planned by students. The major students organized and conducted the State Tennis, Golf, and Swimming Sportsday for high school girls. Major students were active in the Student Section of the New Mexico Association for Health, Physical Education, and Recreation and of the Southwest District of the AAHPER.
2. Significant plans and recommendations for the near future.
 - a. The development of outdoor facilities is essential including an adequate number of tennis courts, fields, and golf practice area.
 - b. An increase in the Staff must be accomplished to include a health educator, a specialist in recreation education or leadership, an instructor for activity courses, a graduate assistant, and a full-time secretary.
 - c. Selection of a site for a future Women's Gymnasium must

be made before ground is broken for another building in the area east of Cornell.

- d. A definite program for recruitment of high school students must be executed.
- e. Carlisle Gymnasium must be renovated and remodeled to make it functional and attractive.
- f. Certain members of the Staff should have reduced loads in order to experiment, write, and publish.
- g. As soon as possible, the University should secure a site in the Jemez or Taos mountains an all-purpose, all-year instructional and recreational program of camping and outdoor education for development and use by students, staff, and faculty.
- h. In order to further the development of the health education functions of the University, and with greater speed, it is recommended that a plan be presented to a Foundation requesting financial assistance for the employment of a trained health educator for a three-year period: 1) to perform the research necessary to delineate the responsibilities of the University in health education as part of general education and in a professional program in school and public health education; 2) to teach one or two health education classes; and, 3) to serve as a consultant in the field.
- i. The Staff has been looking forward to the expansion of facilities and to an increase in the size of the Staff in order to continue to develop the University as the center in the state for health education, recreation

leadership, safety education including driver education, outdoor education, and therapeutics. But under the circumstances of no additions to the Staff, the possibility of limited use of Carlisle Gymnasium due to little or no remodeling, and no expansion of outdoor facilities (in fact after November the fields will be reduced by two), the Staff has experienced great disappointment and in order to maintain reasonable teaching loads, faces the necessity of deciding what projects and plans must be eliminated. For several reasons, this action is most regrettable for considerable momentum has been achieved in many of the projects. Some of the projects and plans which may need to be discontinued are: re-cruiting, consultant services, development of an alumnae group, a health workshop for 1958, the fall Dance Institute, the study on the need for a program of therapeutics, the study of student needs in terms of health and civilian defense, and, further development of outdoor education.

3. Other professional activities.

- a. The Dance Workshop with a membership of eighteen students under the direction of Miss Elizabeth Waters, experienced its most successful year. Concerts were given at Santa Fe, Las Vegas, Socorro, Tucumanari, and Clovis. In Albuquerque, two TV programs were presented and the group danced at the Albuquerque High School Sportsday with some 400 girls from 17 schools in attendance.

- b. Consultant services were provided at requests of local leaders and administrators for the health and physical education program in Belen, for the Laguna PTA in its summer recreation program, and for the Crownpoint recreation group.
9. Activities in learned and professional societies.

Mercedes Gugisberg

Chairman of the Committee of Recruitment in Health Careers for the New Mexico Public Health Association.

Member of the Committee on Health Instruction for the American Public Health Association.

Membership Director for New Mexico for the American Association for Health, Physical Education, and Recreation.

Chairman of the Constitution Committee and member of the Executive Council for Health, Physical Education, and Recreation.

Member of the Committee on Retirement of the University of New Mexico Chapter of AAUP.

Member of the New Mexico Council on Youth Fitness.

Frances McGill

Chairman of the Rodeo Committee and member of the Standards Committee of the National Section on Girls and Women's Sports, and Chairman of the Basketball Committee for New Mexico.

Member of the Legislative Committee and of the Historical Records and Exhibits Committee of the American Association for Health, Physical Education, and Recreation.

Member of the New Mexico Council on Youth Fitness.

Chairman of the Honor Awards Committee and member of the Advisory Committee of the Southwest District of AAHPER.

Member of the New Mexico Board of Women Officials.

Gladys Milliken

Member of the Legislative Committee of the Western Society of Physical Education for College Women.

Member of the New Mexico Council on Youth Fitness.

REPORT OF THE DEPARTMENT OF SCHOOL ADMINISTRATION

July 1, 1956 - June 30, 1957

Paul V. Petty, Chairman

The present chairman of the Department of School Administration began his duties on September 1, 1956. Dr. S. P. Nanninga, former chairman, had retired on June 30, 1956. During the interium period of two months Dr. E. H. Fixley was acting chairman. However, activity during this period consisted largely of routine matters so that for all practical purposes the present chairman immediately succeeded Dr. Nanninga.

1. Achievements and Changes. Among the changes effected by members of the Department during the present academic year were the following:

- a. A study of the curriculum in school administration along with needed revisions
- b. The development of course outlines and/or syllabi for all courses
- c. The embarking upon a limited program of school studies and field services with two one-day lay-professional studies and seven group meetings having been held.
- d. The definite establishment of an annual spring conference for school administrators and board members
- e. A clear definition of the "core" of work which should meet certification requirements for school administrators.
- f. The use of area planning meetings in the fall for North Central Association school superintendents
- g. A more intensive program of inservice activities for school board members through Department support of New Mexico School Boards Association.
- h. The planning of work in school administration which would lead to the doctorate degree
- i. The establishment of advanced summer seminars for practicing school administrators
- j. The inauguration of weekly study and planning meetings for the staff in school administration

Of the various items listed above perhaps the curriculum study and revision and the beginning of field work and contacts with public schools are most significant. Also, during the latter part of the present school year considerable interest has been

shown in the new doctorate program in Education. The numerous inquiries which have been made to members in this Department indicate that School Administration will have an important role in the new program.

2. Significant Plans and Recommendations for the Near Future. The activities and programs mentioned in the preceding section are to be continued with some slight changes in certain respects. The significant changes which seem desirable for the program in School Administration in the near future include:

- a. Some staff-directed graduate student research and other staff-produced research in the area of School Administration.
- b. The development of a school building materials and equipment laboratory on the campus
- c. An internship program for graduate students in School Administration.
- d. A coordinated inservice study program, including workshops on the campus, for school board members and school superintendents. This would receive the support of the state North Central Association committee.
- e. The addition of a staff member to teach in the related area of history and philosophy of education as soon as funds permit
- f. The establishment of a statewide committee to study problems of, and plan for, school administration
- g. A followup service for graduates which could be operated in conjunction with teacher placement
- h. The further expansion and eventual development of a regular field service program in school administration

3. Appointments to Staff. The following appointments were made to the staff during the year:

Mrs. Eva Benner as Placement and Departmental Secretary

Dr. Paul V. Petty as Department Chairman

4. Separations from Staff. The following separations from the staff occurred during the year:

Mrs. Stanlibeth Kight as Secretary

Dr. S. P. Nanninga as chairman of Department

5. Publications. Listed below are articles and other materials published by members of the Department during the year:

Angel, Frank, "State Aid for Schoolhouse Construction",
New Mexico School Review, December, 1956.

Angel, Frank, Articles, news items, and editorial comment in the Spotlight, publication of NM School Boards Association.

Fixley, E. H., News items for North Central Quarterly

Petty, Paul V., "The Pro of Federal Aid for Education," Spotlight, February, 1957. Other short items for this publications also.

Petty, Paul V., Book review of Teachers Face Themselves in School Executive, August, 1956.

Petty, Paul V. "Do-it-yourself School Surveys," The Gist, February 21, 1957.

6. Completed Research Projects.

None other than minor studies in connection with problems courses and seminars have been completed this year.

7. Outside Sponsored Research.

None

8. Other Professional Activities. Professional activities other than teaching or research in which School Administration staff members have been engaged include:

a. Consultancies

NMEA Finance Study - Angel
 Regional State Department Project - Petty
 NCA State Investigations - Fixley
 NCEA Personnel Study Committee - Petty
 AASA, Atlantic City, "School Surveys" - Petty
 AASA, Atlantic City, "Special Education" - Angel

b. Addressing Professional Groups

All staff members have on several occasions addressed professional and lay citizen groups during the year. Among the groups addressed were:

Civic clubs
 General citizens' meetings
 Commencement audiences
 School boards' groups
 Teachers' area meetings
 CPEA study groups
 School faculties
 TV and Radio audiences (Three occasions)

c. Official Relationships with Educational Organizations.

Executive Secretary, New Mexico School Boards Ass'n -
 Frank Angel
 Chairman, New Mexico North Central Ass'n Committee -
 E. H. Fixley

9. Activities of the Department in Learned and Professional Societies. The following members occupy the positions indicated in the organizations and societies listed:

Co-sponsor, Phi Delta Kappa - Paul V. Petty
 Member, NCA Committee on American Dependents' Schools -
 E. H. Fixley
 Member of Executive Committee, National Conference
 of Professors of Educational Administration -
 Paul V. Petty

10. Study and Travel. All members of Department staff attended the regional conference of three days for the inservice improvement of professors of Educational Administration. Conference was held in Stillwater, Oklahoma, in November, 1956. Only the usual out-of-state travel to and from conferences has been engaged in by members of the Department staff during the past year.

11. Gifts, None

THE REPORT OF THE DEPARTMENT OF SECONDARY EDUCATION

June 1, 1956 - June 30, 1957

Bonner M. Crawford, Chairman

1. Achievements During the Academic Year, 1956-57.

The Secondary Education Department made a critical interpretation of the manner in which the University of New Mexico curricula offerings may fulfill the provisions of the teacher certification requirements adopted by the State Board of Education, effective July 1, 1956. Common courses that all students in various major and minor teaching fields must fulfill were selected after due consideration in many departmental meetings. The decisions attained should be most helpful in the future advisement of students and provide a certain necessary minimum uniformity of basic requirements. With an expected increase of Secondary Education students and without an increase in the departmental staff, it is believed that the decisions arrived at will greatly facilitate and improve the advisement process.

A further additional confusing problem was resolved by adopting procedure regulations for non-University of New Mexico graduates seeking teacher certification.

2. Plans and Recommendations for the Near Future.

The department personnel are exploring the need, the value if any, and the difficulties involved in implementation of an integrated secondary Professional Education Program. Such a program might involve the scheduling of student programs to

be free of departmental subject matter courses in order to devote full time for a semester to Professional Education. This program might involve a full time off campus student assignment for a period of possibly six to eight weeks. The remainder of the semester would involve the integration of such material as is now presented in the courses, Materials and Methods of Teaching in Secondary Schools (Education 153), and Foundations of Secondary Education (Education 141). Whether such a plan is achieved in the near future or not, it is felt that there is a definite need to integrate to a greater degree the secondary preparation courses with the student teaching program. Still greater is the need for the students to experience a full day teaching situation for a period of at least six weeks.

The department personnel are also most interested in adopting, if possible, some type of "follow-up" program of the graduates in order to partially evaluate the effectiveness of the teacher preparation program.

3. Publications and Other Research Activities.

Bonner M. Crawford, Professor and Chairman of the Department, acted as chairman of one completed master's thesis and directed twenty-nine graduate study investigations under Plan II. To be reported specifically in a future annual report, Professor Crawford had two articles accepted by major periodicals in the field of Education. These will be published sometime in late 1958 or early 1959.

During the period of this report, Professor Wilson H. Ivins continued to act as Review Editor of current books, a monthly page in the New Mexico School Review. He acted as chairman of one completed master's thesis and had the following publications.

Ivins, Wilson H. "How Does the School Board Deal With the Trend Toward Student Marriage?", Spotlight, II (November 1956), 4-6.

Ivins, Wilson H. "Spotlight Quiz: Purposes of the Modern Public Secondary School," Spotlight, II (April 1957), 2.

Dr. Mitchell Voydat, Assistant Professor, has been appointed Chairman of the State Mathematics Curriculum Committee for 1957-58. As a member of this committee for the past two years, he has written many parts of the Guide to be published this June by the State Department of Education. Topics in this publication written by Dr. Voydat are:

"Grouping for Instruction in Mathematics"

"The Gifted Child"

"The Workshop Study"

"Educating the Superior Student in Mathematics"

"A Mathematics Checklist"

Some of the above material has already been released to schools within the state in mimeographed form by the State Department of Education. Dr. Voydat also has had several articles accepted for future publication and these will be specifically listed in future annual reports.

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4. Other Professional Activities.

Additional professional activities of the department members that have not been previously mentioned are as follows.

Bonner M. Crawford.

1. Chairman, New Mexico State Curriculum Committee, State Department of Education. This committee will publish in the coming year, Guides and Suggested Practices, in four areas, namely, Mathematics, Science, Social Studies and Spanish. Also scheduled is a publication devoted to the topic of Planning for Curriculum Revision.
2. Taught Extension classes for both Semesters I and II at Socorro.
3. Served as recorder for a group on the topic of "Action Research" at the Association for Supervision and Curriculum Development convention in St. Louis.
4. Speaker to various teacher and service club groups.

Wilson H. Ivins.

1. Continued to serve as regional consultant for guidance services to public schools in seven counties for the State Department of Education.
2. Served as Coordinator for the Spring Conference of the New Mexico Association Secondary School Principals.
3. Served on the N. M. E. A. Teacher Education and Professional Standards Commission.

William B. Rußge.

1. Elected to represent the Pacific Region as research reporter to the American Vocational Association Sectional Meeting in St. Louis.

- 2. Elected secretary-treasurer of the New Mexico Vocational Education Association.
- 3. Served as Junior Faculty Sponsor for Beta Rho Chapter of Phi Delta Kappa, Men's Education Fraternity.
- 4. Planned and coordinated conferences in the areas of student teaching and distributive education.

Mitchell E. Voydat.

- 1. Appointed Chairman of the State Mathematics Curriculum Committee.
- 2. Formulated the New Mexico State Mathematics Contest for approximately 1000 secondary school students.
- 3. Served as Senior Faculty Sponsor for Beta Rho Chapter of Phi Delta Kappa, Men's Education Fraternity.
- 4. Served as Faculty Sponsor of the University Student Education Association, an association of future teachers of America. In this capacity he planned and participated in many local and state conferences.
- 5. Served on the Study Committee of the Estancia Public Schools.

The Report of the College of Engineering
July 1, 1956 - June 30, 1957
M. E. Farris, Dean

Included with this report are the reports of the chairmen of each department in the college. Each chairman's report covers details pertaining to the department, and no effort will be made in this report to repeat this information. This report will discuss some of the broad objectives of the engineering college under the headings of curricula, staff, research, and physical facilities.

The trend in engineering education for the engineering graduate is definitely toward more fundamental training and less applied training. Some progress has been made in the curricula offered by the college in the direction indicated above, but more needs to be done. The curricula covering the first two years could well be common to all departments, resulting in a better program and a saving in staff time and facilities. The curriculum for each department should be critically examined at least every two years, and every course and laboratory experiment justified. The engineering field is dynamic, and the educational program should not be allowed to become static. The departments of mathematics and physics are now in the process of re-evaluating the material offered in these courses for engineering students; and the material offered in other courses will need to be re-studied in keeping with the changes in mathematics and physics.

The faculty of an engineering college should, in addition to teaching, be active in research, in consulting and in public

or professional service; and a well-balanced department should have staff members who are active in all of these fields. The teaching duties of a faculty member will, in most departments, cover both undergraduate and graduate courses, and such work should take the major portion of every faculty member's time and effort. Consulting work and public service should be done only in addition to regular teaching duties; and in no case should they be allowed to weaken the instructional program.

In order for a faculty member to carry on his assignments to best advantage, he should have adequate help. This help may take the form of paper-graders, secretaries, laboratory technicians or graduate assistants. During the past year, the college had adequate staff to meet minimum teaching requirements, but not enough staff with supporting help to do a thorough job. Full-time secretaries and laboratory technicians are needed for some of the departments, and adequate part-time help for the others. It is not economical to use the time of our teaching staff for secretarial work and laboratory technicians' duties; therefore, every effort should be made to provide adequate supporting help.

Research is the avenue by which knowledge in a given field is advanced, and every faculty member should be interested in increasing the material available in his field. Research in the engineering profession takes many forms, such as published papers or books, reports, designs, etc., and a department should have a staff whose work represents a cross-section of these various forms. Since research work should be an integral

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Conf. Department Wilson

part of a faculty member's duties, it should be an integral part of his teaching load, and it should not be added as an overload to his teaching assignments. Contract research offers many advantages to a department such as, permitting several faculty members to remain on the campus throughout the year, providing employment to graduate students during the summer and part-time during the school year, providing extra compensation for the faculty, providing thesis material for both the master's and doctor's degrees, and providing equipment and instruments that the department would not otherwise have. It is becoming clear to most department chairmen that competent faculty members cannot be attracted and held without the aid of contract research. The nine-months' pay now available at the University is not sufficient to hold competent staff members in engineering without the extra compensation from consulting or research during the summer months. It would also be impossible to build up a graduate program on the campus without a research program to provide part-time employment for the graduate student.

The engineering experiment station is the research center for the engineering college. At the present time three departments are working on projects in connection with the experiment station; and several reports have resulted from these experiments during the past year. It is hoped that research in the experiment station will expand in the future to include projects sponsored by the college as well as outside sponsored projects. In order to expand the usefulness of the engineering experiment station, serious consideration should be given to the following

points:

- 1. Expand the faculty so that men are available for research assignments. A competent faculty member must be available for a research project before a sponsor can be obtained.
- 2. Place all staff members doing both teaching and research on an eleven-months' contract. Such an arrangement should make the position more attractive to the individual, and it should not increase the cost of instruction, since part of the salary would be paid by the research project.
- 3. At least fifty percent of the overhead resulting from sponsored research should be left in the engineering experiment station to provide equipment and services that are not in the contract, to provide funds to attract additional contracts, and to provide sponsorship for some research projects within the college.

If the above points are carried out, the engineering experiment station can expand its program to include all faculty members interested in research without placing a burden on the University budget.

The physical plant in the college of engineering was used near its capacity during the past year. The addition of B-1 barracks for engineering graphics will relieve the congestion in these courses for the coming year. The enrollment in the engineering college is increasing about ten percent per year, and it is evident that increased space will have to be provided in the near future. The class rooms and lecture rooms now in use are not equipped for the best instructional methods.

The laboratories in the college are very well equipped in some areas and very poorly equipped in others. The surveying laboratory, for instance, is very well equipped, and it is hoped that it can be maintained in this condition; on the other hand, at least half the equipment in the electrical and mechanical laboratories is outdated and needs to be replaced. Also new

laboratories need to be provided in areas that now have very little or no equipment. The fields of electronics, heat transfer, and materials, are areas with little or no equipment at the present time. There are other laboratories that do not exist at the present time, such as a nuclear engineering laboratory and a computer laboratory that should be considered along with the others.

The equipment used for research relating to the master's and doctor's theses is frequently of a specialized nature, or of a type not usually used by the undergraduate laboratory. Such equipment may be supplied in part through sponsored research, but a fair amount will have to be supplied by the department. Programs of the above type are expensive, and thus far no funds have been provided for them. We have been fortunate so far in having only a limited number of thesis candidates for advanced degrees, but in time we should have more advanced students doing theses and not fewer.

I am sure that all of us are interested in an engineering college that will command the respect of the student, the public, and the profession; and I believe the following recommendations will aid in accomplishing the desired results.

Engineering faculty of the desired qualifications are extremely hard to find, and I can only report that the condition is not likely to improve. To maintain our faculty at the level and quality needed, it will be necessary to allow the department chairmen, in the areas of greatest need, to employ new staff whenever they can be found, regardless of the time of year. It would also be advisable for these same department chairmen

to have the means of attracting a number of well qualified graduate students.

An adequate physical plant with well-equipped laboratories are absolutely essential to a first-rate undergraduate and graduate program. Our weakness is in areas of large undergraduate and graduate enrollments, and this condition should receive our immediate consideration for correction.

It is the duty of the engineering faculty as well as the engineering administration to provide an engineering program that will meet the future needs of the graduating engineer, and to use the physical plant and equipment assigned to engineering as efficiently as possible.

THE REPORT OF THE DEPARTMENT OF ARCHITECTURAL ENGINEERING
July 1, 1956 - June 30, 1957
John J. Heimerich, Chairman

1. ACHIEVEMENTS:

- a. The teaching load for the first semester was approximately 1800 student credit hours (non-adjusted for laboratory) and 1900 student credit hours for the second semester.
- b. Building B-1 is to be remodeled during the summer of 1957 for use by this department to accommodate the increased enrollment expected for the fall of 1957 and in the future.

2. PLANS AND RECOMMENDATIONS FOR THE FUTURE:

- a. An additional full-time faculty member will be needed for the school year 1958-59, due to the prospective increase in enrollment.
- b. New quarters are strongly recommended to replace the present barracks buildings. The present quarters are hard to heat, the maintenance is extremely costly and the fire hazard is great. It is the belief of the faculty that if the drawing rooms were of sufficient size, a class of fifty or sixty could be taught by a single faculty member, thus reducing the cost of instruction. This proposed arrangement is not possible in the present quarters due to the narrow width of the building.
- c. An application for a Ford Grant for the development of a closed-circuit television system to be used for class instruction has been completed.

3. APPOINTMENTS TO STAFF:

Walter Ducoff - September 1, 1956.
 William B. Clarke - February 1, 1957.

4. SEPARATIONS FROM STAFF:

Walter Ducoff - January 26, 1957
 Frank F. Norris - June 30, 1957.

5. PUBLICATIONS:

(a) Workbook

HEIMERICH, JOHN J., HUZARSKI, RICHARD G.,
 STONEKING, CHARLES E., GAFFORD, WILLIAM R.,
 NORRIS, FRANK F.: Workbook for Engineering
 Drawing. Johnsen Publishing Company.

(b) Articles.

SCHLEGEL, DON P. (See Division of Architecture).

6. COMPLETED RESEARCH:

None.

7. OUTSIDE-SPONSORED RESEARCH:

None.

8. OTHER PROFESSIONAL ACTIVITIES:

a. HEIMERICH, John J.
 (See Division of Architecture).

b. SCHLEGEL, Don P.
 (See Division of Architecture).

c. HUZARSKI, Richard G.

Lectures:

Spoke at Drawing Division of A-S-E-E. winter meeting at Rice Institute, Houston, Texas, February, 1957.

Spoke to Armed Forces in connection with President Eisenhower's "Code of Conduct" program.

Consultancies:

Translated from the Russian, two books on mathematics.

Gave technical testimony in a lawsuit. (For Attorney D. Arledge), spring of 1957.

Worked for Corps of Engineers, summer of 1956.

Served as judge of debates, University of New Mexico Speech Festival, spring of 1957.

Served as judge of technical articles (for Society of Technical Writers), May 21, 1957.

d. GAFFORD, William R.

Lectures:

Talked on engineering at Valley High School's "Career Day," April 15, 1957.

Consultancies:

Worked for Albuquerque Federal Building & Loan, summer of 1956.

9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES:

a. HELMERICH, John J.
(see Division of Architecture).

b. SCHLEGEL, Don P.
(see Division of Architecture).

c. HUZARSKI, Richard G.
AMERICAN SOCIETY FOR ENGINEERING EDUCATION

Member.

Institutional representative.

Member of National Bibliography Committee,
Graphics Division.

Attended mid-winter meeting at Rice Institute,
Houston, Texas, February, 1957.

Attended Southwest Section Meeting at Texas
A. & M. campus, April 18-19, 1957.

AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS

Member.

Member of executive committee.

d. GAFFORD, William R.

AMERICAN INSTITUTE OF ARCHITECTS

Associate member.

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

Member.

10. IMPORTANT TRAVEL AND STUDY:

HELMERICH, John J.
(see Division of Architecture).

11. PRIZES AND AWARDS:

Vemco prize of set of drawing instruments to outstanding regular Freshman during semester, 1956-57 won by James S. Lunsford.

The Report of the Department of Chemical Engineering
 July 1, 1956 - June 30, 1957
 T. T. Castonguay, Chairman

1-2. ACHIEVEMENTS, PLANS AND RECOMMENDATIONS

The Chemical Engineering Department, keenly aware of the tremendous impact of Atomic Energy and Nuclear Engineering, and the enviable position of the Engineering College so well situated between Los Alamos and Sandia Base, has conducted a seminar in this important field since 1949. The seminar has usually consisted of ten to twelve one-hour lectures given in the fall semester to the senior class. The participants have been the staff and senior class members. During the fall semester 1956-57, thirty-one half-hour lectures were given with a five to ten minute question and answer period between each session. These lectures with the ensuing written reports were helpful in introducing our Chemical Engineers to this important field. The Chemical Engineering Department, having two members of the Nuclear Engineering Division of the A.I.Ch.E. on its staff, one a charter member, will continue to instruct the undergraduates in this important subject until our Nuclear Engineering program has more definitely materialized. In the graduate division, three courses in Nuclear Engineering have been tentatively approved and will be added to the departmental offerings when the M. S. Degree in Nuclear Engineering is offered by the Engineering College.

Ch.E. 261	Reactor Materials and Fuel Processing	(3)
Ch.E. 262L	Reactor Materials and Fuel Processing Lab	(1)
Ch.E. 263L	Physical Metallurgy of Reactor Materials	

Through its association with the chemical and petroleum industries in this section of the country, the department has endeavored to bring to the campus outstanding, employed company engineers to conduct seminars, or more popularly termed short courses. It has always been the feeling of the department that having a good representative from industry coming in with up-to-date know how, at the right moment, could do wonders in a very short time in emphasizing more thoroughly the fundamentals presented in some of our basic engineering courses. Our thinking in the past has been that such fields as, (a) engineering economic evaluations of plants and processes, (b) factors of design with the accompanying blue prints of existing processes, (c) development of a product from laboratory to commercial acceptance, including financing, could very well be helped by industry's participation. The time from the conception of this idea to managerial acceptance has been long, the correspondence voluminous, and the conferences many. Managerial acceptance by the Celanese Corporation of America brought to the campus and the Chemical Engineering Department, Mr. James E. Wall, Superintendent of the Celanese plant at Pampa, Texas, for a three-day session, May 7, 8, 9 on, "An Economic Evaluation of Plants and Processes". Detailed information, methods, and reasons for steps taken by management were given for five engineering problems which ranged from the economic evaluation of processes to the economics of strategic plant location.

The possibilities of this unique approach to teaching an undergraduate class in Chemical Engineering Economics received managerial approval from the Phillips Chemical Company, Bartlesville, Oklahoma. Mr. T. L. Cabbage, Vice-President and General Manager, approved the one-day trial session and Mr. M. W. Bennett, Head of the Economics Division,

together with his assistants, Messrs. John Alt and James Jones visited the University campus for the first time May 15, 1957. They devoted the entire day to the seniors, discussing factors involved in the development of a product from laboratory to commercial acceptance, including financing. The students were enthusiastic in their response and the representatives from industry very interested in this experiment.

The step in this direction was a first with the Celanese Corporation of America and the Phillips Chemical Company, a first with the Chemical Engineering Department and, to our knowledge, the first attempt of this kind in the classroom in the College of Engineering. It has been rather difficult in the past to interest industry in the classroom problems of education. Our success this year has been an admirable public relations accomplishment without cost to the University. The companies allowed their top-notch representatives to take time from their duties and paid the expenses involved. Having had the opportunity of analyzing the results of this primary experiment, it is the unanimous feeling of the students involved, of management, and of the department that arrangements should be made for another seminar next year.

The Chemical Engineering Department, though handicapped by lack of adequate departmental personnel until February 1, 1957, has been pleased with the caliber of men who have graduated and their acceptance by industry in positions above the average, salarywise. Our success has been primarily attained through the insistence that research and process development be done by faculty and students to keep abreast with scientific methods. The department regards teaching and research and development as closely related and necessary in stimulating our students

to think critically and give to them an awareness of their field.

The work in the Chemical Engineering Department has centered rather closely around the main functions of an engineer as stated in the Promotional Policy of the University of New Mexico, 1948, Page 8.

Usually, the work of an engineer incorporates either design, development, construction, supervision or research. The results of the above work may take the form of reports, designs, and specifications, as well as publications or lectures bearing on engineering research. The reports, designs, and specifications, or data for commissions are usually of a confidential nature and are seldom published.

The Chemical Engineering Department, using inexperienced undergraduate help in its research and development efforts, has contributed measurably to the works of the engineer. Among the more successful efforts are:

1. Research and development in refining of motor oils resulting in the establishment of the Chemical Process, Inc., a successful Albuquerque concern. Research and development reports to management will not be released for publication.
2. Research and development in utilization of wood wastes (plastics), Carr-Adams-Collier, Dubuque, Iowa. Material furnished by company, also Chemical Engineering account No. 290-92, closed out June, 1955. Pilot Plant cost nearly \$100,000. Now in operation in Dubuque, Iowa. Reports to management will not be released for publication.
3. Development and Testing, Pullman Std. Corp., Chicago. Paint testing and specifications. Material furnished by company. Reports to management will not be released for publication.
4. Research and Development, bromination of olive oil. W. E. Attaway, Small Chemical Industry, Mexico City. All materials and glass-lined equipment were furnished by company for the use of the students for a two-year period. Report may be released for publication.

5. Research, Albuquerque Gravel Company. Correlations of results from physical tests with the chemical composition of Portland Cement and cement aggregates. Report to management not to be released for publication.
6. Process data and economic evaluations studies of some of New Mexico's mineral resources; namely, perlite, vermiculite, pumice, and gypsum. Information given to New Mexico industries engaged in these fields.
7. Through help given to one of our undergraduate students in the fields of extraction, centrifugation, and pH control, the department received credit for a publication in The Proceedings of the National Academy of Sciences, Vol. 43, No. 2, pp. 199-203, February, 1957.
8. Research and Development, February 1, 1957. Work has been started on the oölitic iron minerals located near Truth or Consequences, New Mexico, for the purpose of an economical extractive metallurgical process.
9. Other research and development projects undertaken by the department during the Semester II, 1957 are:
 - a. Enzyme reaction studies (enzyme urease).
 - b. Development and upgrading of beryllium ores.
 - c. Preparation of high density polyurethane rigid foams.
 - d. Optimum conditions for the preparation of fluorobenzene (liquid phase).

The partial listing of research and development projects undertaken in the Chemical Engineering Department is listed at this time to accentuate the department's policy that such undertakings are carried on regardless of the teaching load, or the size of departmental staff, and for the information of the administration of the Engineering College.

Realizing the importance of a departmental library where the students may have easy access to the research journals, the department chairman has made available to the students the magazines and many books usually associated with the research and development problems in the Chemical Engineering field. Though privately owned, the department

maintains a library of the following magazines:

Complete file	Industrial and Engineering Chemistry, 1907 to date.
Complete file	Industrial and Engineering Chemistry, Analytical Edition.
Complete file	Chemical Engineering Progress.
Complete file	A.I.Ch.E. Journal.
Complete file	Chemical Engineering, 1923 to date.
Incomplete file	Transactions of The Institution of Chemical Engineers, 1936 to date.
Incomplete file	American Institute of Chemical Engineers Transactions, 1937 to date.

A small sum of money in personal donations from individual alumni has been received and spent for a departmental library. Insufficient room and other staff duties have prevented a concentrated effort in this direction. Since research and development cannot be successfully carried out without access to the library, the senior Chemical Engineers, through the approval of the library committee and the director of the library, have received stack permits each year and have used them since the department was founded in 1946.

During the past year, the Chemical Engineering Department found it rather difficult to re-establish the necessary cooperation and stability for the classroom work and the planning for the future so necessary for departmental growth. The school year 1955-56 was unusually unstable with the addition of two assistant professors and their subsequent resignation, coupled with the sabbatical leave of the senior member of the department. The school year, beginning September, 1957, brought to the department a new addition of professorial rank which proved to be inadequate to handle the course work, let alone engage in research and development projects. Through illness, the departmental staff was reduced to one individual. At that period, through the efforts

of the administration, Dr. J. D. Hankins was borrowed from the Sandia Corporation to help out where possible.

For the first time since January, 1951, the department added the third man to the staff in February, 1957, and with renewed expectations and hopes, looked forward to a period of growth and accomplishment. During the latter part of March, a staff member was asked to consider the development of a program in Nuclear Engineering which he accepted, with the inevitable drop in enthusiasm for the departmental work. His acceptance of a leave of absence necessitated the department looking forward to the addition of a new man for the school year beginning September, 1957.

With the minimum requirements of departmental personnel attained, it is the aim of the department to look to an early attempt at accreditation, the re-establishment of graduate work toward the M. S. Degree and a more concentrated effort toward the acquisition of industrial research and fellowships. The department has always looked forward to closer ties with industry in this respect and has given freely of its time to foster these relationships. During the past semester, lectures on distillation have been given to the employees of the El Paso Natural Gas Company at their Prewitt, Cenisa, and El Paso installations.

The Visual Aid Program which the department has used for instructional and entertainment purposes was continued for the year 1956-57, but not on the same scale as in former years. It has been suggested by those students who recall the earlier successes of our more concentrated efforts in this field of education that the department schedule such a program for 1957-58.

A project carried on by the students to which the department has heartily subscribed, is the Engineering Open House, usually held

in February of each year. Hundreds of people have been attracted to this student affair and, although outside exhibits have been displayed, their nature have been carefully screened to avoid any competition or undue advertizing that would detract from the primary purpose of educating the visitors to the field of Chemical Engineering. Displays and exhibits for this Open House were sent from:

American Potash and Chemical Company, Trona, California.
 El Paso Natural Gas, El Paso, Texas.
 Los Alamos Scientific Laboratories, Los Alamos, New Mexico.
 Monsanto Chemical Company, St. Louis, Missouri.
 Standard Oil of Texas, El Paso, Texas.
 Titanium Metals Corporation of America, Henderson, Nevada.
 Dow Chemical Company, Fort Arthur, Texas.

For outstanding scholastic performance, several of the undergraduates have been honored by election to the honor societies of the University and Engineering College. Other awards and the recipients have been:

Mr. Lynn S. Parker	(Junior Chemical Engineering student) The scholarship award of the American Institute of Chemical Engineers for the University of New Mexico.
Mr. Jerry Lee Lott	Quarter-back, All-American, American Chemical Society Football Team, 1956. Mr. Lott was also honored by the New Mexico chapter of The American Chemical Society at the Santa Fe meeting, January, 1957.
Mr. David Holt	A \$50 cash prize for his outstanding work as a Chemical Engineer, given by the New Mexico Society of Professional Engineers' Wives.

The department maintains its interest in its graduates, as well as the undergraduates. Volume VII of the Christmas News Letter was mailed to the departmental alumni on December 13, 1956, listing the addresses, activities, and achievements of the more than 90 members who

have taken their training in the department since the first graduating class of 1948.

The undergraduate activities which are becoming traditional are:

- a. The annual Spaghetti Dinner prepared in the department with attendance last December of 80 people.
- b. The annual spring Steak Fry and Picnic.
- c. The Seniors' Dinner given annually by the department's chairman to the graduating senior class.

The department would like to look forward to additional space.

The Chemical Engineering Building, as such, was not completed. The department, through faculty and student help, has built two small buildings on the Engineering Quadrangle in which to store chemicals that should not be housed in the main building, and also a laboratory in which halogenation reactions were carried out in glass-lined equipment borrowed for the experiments. The roof of the main building is being used for further experimental work. A building with sufficient space for such items as: crushing and grinding laboratory; design room; storage; small shop facilities; dark room; graduate research and high pressure laboratories is needed, as well as some area in which the students may study. The department will have, in the near future, an additional 15 x 19 foot balcony area to properly display the model of a petroleum refinery secured through the efforts of President Popejoy from the Standard Oil of Texas Company. One of the many duties undertaken by the faculty for the past several years has been the maintenance of expensive instruments and equipment. It would be more desirable to have a combined laboratory technician, stockroom man to relieve the faculty of these duties.

3-4. FACULTY

The staff at the end of the school year, June, 1957, consisted of T. T. Castonguay, Ph.D., Professor and Chairman; D. F. Dickinson, Ph.D., Professor; and G. A. Whan, Ph.D., Assistant Professor. Professor D. F. Dickinson was appointed to the staff September 1, 1956, and was granted a leave of absence May 6, 1957, for the academic year 1957-58. Assistant Professor G. A. Whan was appointed to the staff February 1, 1957. Dr. J. D. Hankins, temporary, on leave from Sandia Base, taught in the department for approximately six weeks, October - November, 1956, replacing Dr. T. T. Castonguay on an emergency basis.

5. PUBLICATIONS

Departmental. Through help given to John L. Knupp, Jr., an undergraduate student in the Department of Chemical Engineering, by Dr. T. T. Castonguay in the specialized field of extraction, pH control and centrifugation, the following research article appeared in the Proceedings of The National Academy of Science.

KLEIN, RICHARD M. and KNUPP, JOHN L., JR., New York Botanical Garden, New York, and Chemical Engineering Department, University of New Mexico, Albuquerque, New Mexico. "Sterile Induction of Crown-Gall Tumors on Carrot Tissues in Vitro," The Proceedings of National Academy of Science, Vol. 43, No. 2, (February, 1957) 199-203.

6-7. OTHER RESEARCH AND DEVELOPMENT PROJECTS UNDERTAKEN BY THE DEPARTMENT February 1, 1957, to Date

- a. Enzyme reaction studies (enzyme urease).
- b. Development and upgrading of beryllium ores.
- c. Preparation of high density urethane rigid foams.
- d. Optimum conditions for preparation of fluorobenzene (liquid phase).
- e. Economical extractive metallurgy on the oolitic iron ores, New Mexico.

8. PROFESSIONAL ACTIVITIES

Thomas T. Castonguay:

- a. Lecture on Distillation for El Paso Natural Gas Company refinery personnel, Prewitt and Cenisa, New Mexico, El Paso, Texas. April, May, June, 1957.
- b. Engineering Economic Seminar, May 6, 7, 8, 1957, Celanese Corporation of America, Phillips Chemical Company, May 15, 1957, Albuquerque.
- c. Consultant Ames Reliable Products Company, June - September, 1956.
- d. Received plaque and citation from the Society of Professional Engineers, and The New Mexico Society of Professional Engineers, 1956, which read, "For Untiring Efforts on Behalf of the Engineering Profession and Unselfish Service to This Society and His Fellow Engineers".

David F. Dickinson

none

Glenn A. Whan

none

9. ACTIVITIES LEARNED AND PROFESSIONAL SOCIETIES

Thomas T. Castonguay:

- a. American Chemical Society, 1956-57.
- b. American Institute of Chemical Engineering, 1956-57, Active Member.
- c. American Institute of Chemical Engineering, Nuclear Engineering Division, 1956-57, Charter Member.
- d. American Society of Engineering Education, 1956-57.
- e. New Mexico Society of Professional Engineers, 1956-57.
- f. American Society of Metals, 1956-57.
- g. Sigma XI, 1956-57.
- h. Attended regional meeting of the Southwest Section of the American Society of Engineering Education at College Station, Texas, April 18-19, 1957.
- i. Attended symposium, "Metals for Use at High Temperatures," University of New Mexico, January 28-29, 1957.

David F. Dickinson

- a. American Chemical Society, 1956-57.
- b. American Institute of Chemical Engineers (Associate Member), 1956-57.
- c. American Institute of Chemical Engineers, Nuclear Division, 1956-57.
- d. American Society for Metals.
- e. Counselor, Student Chapter, A.I.Ch.E., 1956-57.
- f. Attended symposium, "Metals for Use at High Temperatures," University of New Mexico, January 28-29, 1957.
- g. Attended the Argonaut Industrial and Educational Symposium, Argonne National Laboratories, Lemont, Illinois, March, 1957.

Glenn A. Whan

- a. American Chemical Society, 1956-57.
- b. American Institute of Chemical Engineers, 1956-57.
- c. Sigma XI (membership committee), 1956-57.

10. TRAVEL

Thirty sophomores and juniors accompanied by Drs. Castonguay and Whan made a field trip to the Cactus - Borger - Pampa area March 21-26 to visit the industrial establishments of the Phillips Chemical and Petroleum Companies and the Celanese Corporation of America.

11. GIFTS

a. The sum of forty dollars was given by Mrs. William L. Weger to construct a plaque bearing the names of the A.I.Ch.E. scholarship honor winners, in memory of her husband, Bill Weger, Chemical Engineering '51, who lost his life in an industrial accident.

b. Small Hopper Conveyor, value approximately \$300, donated for help furnished by department on the, "Characteristic Behavior of Pumice". Donor wishes to remain anonymous.

Signed: _____

T. T. Castonguay, Chairman
Dept. of Chemical Engineering

TTC/nj

The Report of the Department of Civil Engineering
July 1, 1956 - June 30, 1957
W. C. Wagner, Chairman

I. ACHIEVEMENTS:

Student Enrollment and Degrees Granted:

Following is a table of the enrollment in the Civil Engineering Department for the academic year July 1, 1955, to June 30, 1956, and also for the academic year July 1, 1956, to June 30, 1957.

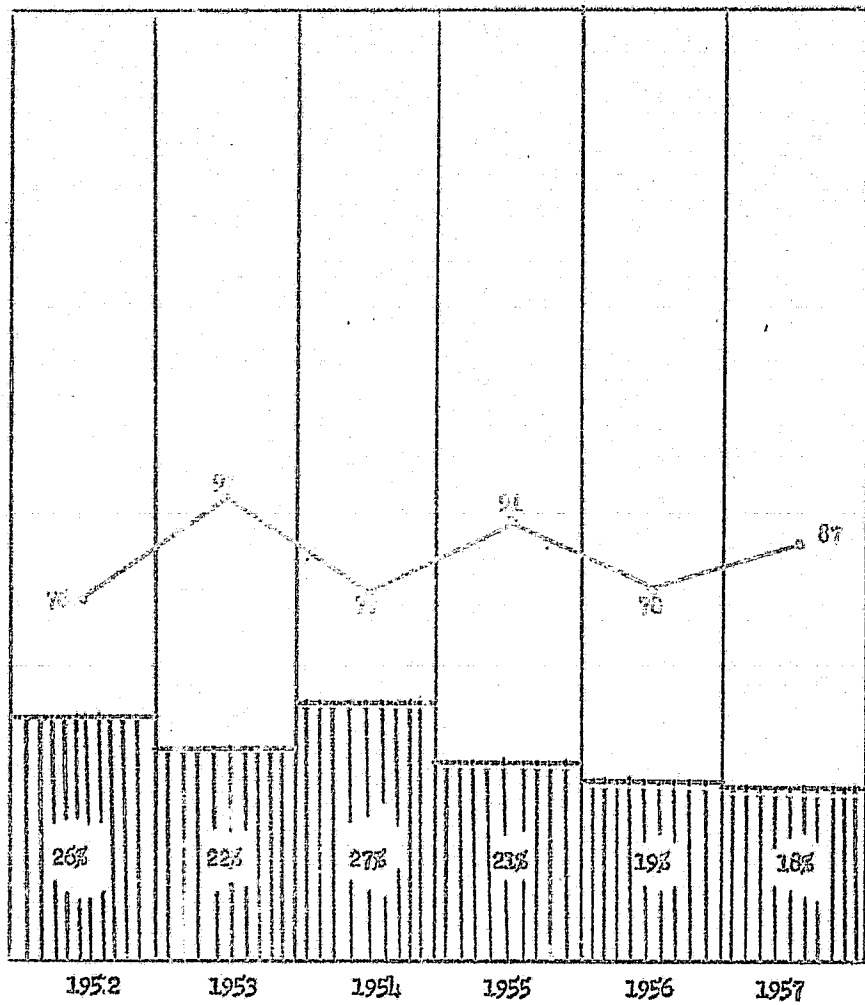
Academic Year July 1, 1955 to June 30, 1956

	Sem. I 55-56	Sem. II 55-56
Sophomores	34	36
Juniors	32	34
Seniors	25	18
Graduate Students	15	12
Total	106	100

Academic Year July 1, 1956 to June 30, 1957

	Sem. I 56-57	Sem. II 56-57
Sophomores	33	32
Juniors	31	33
Seniors	27	22
Graduate Students	10	13
Total	101	100

All universities in the United States have indicated that there has been a decrease in enrollments in the civil engineering departments in the past years. However, the above data shown indicates this is not true here at the University for the past two years. The percentage of engineering students, however, has dropped in civil engineering. On the following page is a chart of the trend in enrollment in civil engineering here at the University of New Mexico as compared



ENROLLMENT IN CIVIL ENGINEERING ———

PERCENT OF ENGINEERING COLLEGE ———

to the enrollment in the whole Engineering College since 1951. The chart shows that the enrollment in civil engineering has remained approximately the same during the past six years but since 1953 there has been a gradual decrease in the percent enrollment of civil engineers to the rest of the Engineering College. The reason for this percentage decrease is because of more emphasis being placed on nuclear and electronic engineering.

The number of civil engineers receiving undergraduate and graduate degrees in civil engineering increased slightly in 1957 over that of 1956.

<u>Degrees Conferred</u>	<u>Undergraduates</u>	<u>Graduates</u>
1956 - February	6	"
- June	18	"
1957 - February	5	"
- June	21	3
- August	1	"

Accreditation:

The Civil Engineering Department of the University of New Mexico has been on the accredited list of the Engineers' Council for Professional Development since 1950 at which time the department was approved by a committee from this organization. On May 3 and 4, 1956, the department was reviewed for accrediting by a committee composed of four men. Dr. Harold B. Gotaas, of the University of California, was assigned to the Civil Engineering Department and the service course in Chemistry.

On November 27, 1956, following the review Dean Farris was notified by letter that this department had been approved for only a period of one year. He was advised at that time a statement elaborating on their findings would follow. This

was received in a letter dated April 25, 1957, from S. L.

Tyler, Secretary, Engineers' Council for Professional

Development. Following is their statement:

'The Engineering curricula at the University of New Mexico met the minimum requirements to be adequate. Two very great area of weakness, however, need to be corrected. One is the unlimited substitution of ROTC courses for social humanistic work. The other is the unrealistic ruling made by the Library Committee that all books must be housed in the Main Library building. Inasmuch as the library is approximately one quarter of a mile from the Engineering Department, very limited use is made of the library by the students. This is evidenced by examination of books, even those on the reserve shelves. The reserve books show very little use and the books in the stacks which are not open to undergraduate students show even less. The staff realizes the situation is deplorable but feels that little can be done about it. There is obvious need for a much stronger presentation of the library needs of the Engineers to the Library Committee and the administration.'

Revenue from Outside Sources: (not including Outside Sponsored Research)

Since July, 1946, the Civil Engineering Department, through the efforts of Professor Marvin C. May has been renting surveying equipment to engineers in New Mexico when such equipment was not needed for instructional purposes. During the last year the amount collected in this manner was \$2,938.94 while the total collected since 1946 reaches the sum of \$11,927.76. The revenue from these rentals has been used to purchase modern instruments and teaching aids for the use of the department. The Department now has what is, to the best of my knowledge, the best collection of modern surveying equipment of any school in the West. However, as enrollment increases new instruments will be necessary to supplement and replace the present equipment.

During the two weeks Christmas vacation in December, 1956, and January, 1957, and the Easter vacation in March, 1957, Professor J. E. Martinez taught two short courses in surveying for the New Mexico Highway Department's program of In-Service Training for their personnel. Revenue from this source totaled \$400.00 which was deposited in the Survey Rental Fund and expended for new equipment and \$120.00 for supplies deposited to our Expense and Supply account.

Also, Professor J. E. Martinez conducted, during a period of ten days between semesters, an In-Service Training Course on Engineering Properties of Soils to employees of the New Mexico Highway Department. The Highway Department paid the University the sum of \$137.50 as rental on the equipment used in this course and \$60.00 for supplies. This amount was credited to the Civil Engineering budget and was used as partial payment on the purchase of a calculator for this department.

For the academic year 1956-57 Standard Oil of Texas awarded a scholarship known as "Standard Oil of Texas Scholarship in Engineering" for the first time in the amount of \$500. This was awarded on the basis of scholastic achievement, extra curricular activities, and citizenship. On these bases, the scholarship went to Albert W. Dennis of the Civil Engineering Department. In addition to the scholarship, a grant of \$500 was made for unrestricted use in the Civil Engineering Department. This grant was used as partial payment of the calculator.

Field Trips:

The senior Civil Engineering class of 1956-57 expressed a desire to make the usual field and inspection trip. They were allowed one week and were accompanied by Professor J. E. Martinez. The trip was made May 5 - 10th and their itinerary included visits to the Colorado Fuel and Iron, Pueblo, Colorado; Ideal Cement Company, Portland, Colorado; Bureau of Reclamation Laboratory, Denver Federal Center, Denver, Colorado; Filtration Water Plant, City of Denver; Gates Rubber Company, Denver, Colorado; and visits to Denver University and Colorado University Campus.

On this particular trip the members of the class arranged for their own expenses and since there were no funds available from the University the Faculty Advisor, Professor Martinez, received financial assistance from the Cocoa Cola Fund which is operated by the Civil Engineering Department.

A number of short one day field trips to engineering projects of interest in the vicinity of Albuquerque was made by various members of the Civil Engineering staff who were teaching courses at that time relative to that particular type of construction.

New Equipment:

Aside from the surveying equipment bought through the Survey Rental Fund, the following items were purchased from the 1956-57 Equipment budget:

1 - Kneading Compactor	\$389.00
1 - Concrete flexure attachment	210.00
1 - Harvard Miniature Compaction Apparatus	125.00
3 - Stopwatches	70.20
*1 - Marchant Calculator	655.00

*Purchase of the calculator was made possible by the \$500 received for use in the department by the Standard Oil of Texas Engineering Scholarship and the \$137.50 rental paid for use of equipment by the New Mexico Highway Department in their In-Service Training Course in Soils.

Equipment Secured Through National Science Foundation:
(Research project under the direction of Dr. E. M. Zwoyer of this department.)

1 - A Frame	75.00
1 - Beam Loading Frame	825.12
Strain Gages	390.20

Equipment Disposed Of:

The following equipment was sold as scrap metal to the Maintenance Department of UNM and Albuquerque Iron & Metal Company:

- 1 - Beam Testing Equipment

Used Equipment Acquired from Surplus:

- 1 - Universal Impact Machine Model SI-1,
manufactured by Baldwin-Lima-Hamilton
Company, serial no. 523168

- 1 - Mechanical Vibrator

Instructional Program:

Because of a recommendation made by the Engineers' Council for Professional Development when this department was inspected for accreditation it was necessary to make the following changes:

CHANGES IN COURSES NOW OFFERED:

CE 115L PLAIN CONCRETE I (3)

The manufacture and properties of lime, clay products, and cement; occurrence and properties of stone, sand and gravel; design and tests of concrete and mortars. Prerequisite: junior standing.

Changed to read:

CE 115L MATERIALS OF CONSTRUCTION (3)

Engineering properties and testing of concrete aggregates, cement, clay products, concrete block, and adobe. Design and control of plain concrete mixes. Prerequisite: junior standing.

CE 195L PLAIN CONCRETE II (3)

Use of admixtures in concrete and critical review of research in the field of concrete mixes. Prerequisite: 115L.

Changed to read:

CE 195L ADVANCED PLAIN CONCRETE DESIGN (3)

Design of concrete mixes with special cements and admixtures and critical review in the field of concrete mixes. Prerequisite: junior standing.

Explanation of changes:

1. The course, CE 115L, has been changed to be a basic and more general course in materials of construction rather than a limited and specific course in concrete.
2. This change, CE 195L, was made mostly to change the title since it could not be known as Plain Concrete II when Plain Concrete I was not being offered.

Student Achievements:

Each year the State Chapter of American Society of Civil Engineers makes an award in the amount of \$25.00 to an outstanding senior. This is made on the basis of aptitude in engineering, degree of self support, citizenship, and scholastic rating. On these bases the award for 1956-57 went to Robert L. Dineen.

2. PLANS AND RECOMMENDATIONS:

Following is the budget for 1956-57 and also the budget for 1957-58:

	1956-57	1957-58
Salaries	\$10,500	\$49,400
Secretary	3,200	1,250
Extra Help	1,000	1,000
Supplies & Expense	1,200	1,200
Equipment	2,000	2,000
Total	\$45,900	\$54,850

It is recommended that an additional faculty member be employed in the Civil Engineering Department at a salary of \$6000 per year for the academic year 1958-59 so as not to increase the teaching load of the present teaching staff.

This recommendation is based on the following four factors:

1. From all indications the enrollment in the Civil Engineering Department is going to increase each year for the next few years because of the great shortage of engineers in the country.
2. It is expected that one or two of the Civil Engineering faculty will be called upon to teach courses at Los Alamos and Holloman Air Base in which case it will be necessary to reduce their teaching load on the campus.
3. Members of the Civil Engineering faculty will be performing sponsored research and expect to reduce their teaching load and receive their salary in part from these projects.
4. At the present time our department is able to offer only one or two 200-level courses each semester which makes it impossible for a student wishing to receive a masters degree in one year to do so. With an extra staff member more 200-level courses could be included in the curriculum.

In the annual report 1956-57 it was recommended that a laboratory technician be employed in the Civil Engineering Department at an approximate salary of \$4000 per year. Because of a shortage of funds at the University we were not

Authorized this technician for 1957-58 so we are again re-
questing it for 1958-59. There are many reasons why a
laboratory technician is needed in the department which
are as follows:

- 1. The greater part of the equipment in the department is old and depreciating considerably because of lack of routine repairs. A technician would be responsible for maintaining the equipment and keeping it in first class condition.
- 2. Because of the large number of laboratory classes given in this department this technician could be used to check out small equipment to the student at the start of laboratory periods and be responsible for its return in good condition. This would be a great assistance to all of the professors in allowing them more time to spend in the actual explanation of each test.
- 3. In the Strength of Materials Laboratory, which is given to all students in the Engineering College, a large number of special wood, steel, and alloy specimen must be purchased from cabinet and machine shops. With a Laboratory Technician this money could be saved by having these specimens prepared in the shops of the Industrial Arts Department by him.

At the present time the Civil Engineering Department has only a part-time secretary. It was recommended in last years annual report that a full time secretary be employed at an annual salary of \$3000 to take care of the increased amount of correspondence and dittoed examination questions. This recommendation is repeated.

It is also recommended that the Extra Help Fund be increased from the \$1000 to \$2500 so that a Graduate Assistantship might be given each year to a graduate student in the Civil Engineering Department.

Graduate students in Civil Engineering repeatedly request special funds for supplies, materials and special small

equipment to carry on the research necessary for the writing of their thesis. Up to the present time, the funds of the Civil Engineering Department have not been sufficient to care for this need, therefore, it is recommended that, starting with the year 1958-59, a special Graduate Fund of \$1000 be set up for the Civil Engineering Department. It is believed that the present Supplies and Expense Fund of \$1200 and Equipment Fund of \$2000 will be sufficient for the year 1957-58. The recommended budget for 1958-59 is as follows:

Salaries	\$55,950
Secretary	3,000
Extra Help	2,500
Special Graduate Fund	1,000
Supplies & Expense	1,200
Equipment	2,000
Laboratory Technical	1,000
Total	\$69,650

It is also recommended that a Travel Fund be set up for the Civil Engineering Department to enable faculty members to attend technical and professional meetings in their particular fields.

3. APPOINTMENTS TO STAFF:

Temporary

On September 1, 1956, Marion M. Cottrell was appointed to the faculty as an Assistant Professor on temporary basis to fill the vacancy created by the resignation of Dr. Charles E. Stonking.

4. SEPARATIONS FROM STAFF:

Dr. Charles E. Stoneking resigned as of July 1, 1956,
to accept a position at Georgia Institute of Technology,
Atlanta, Georgia.

5. PUBLICATIONS:

(b) Articles.

MARTINEZ, Jose E. Joint author "Coefficient of
Contraction for a Submerged Jet", Paper 1038,
Journal of Hydraulics Division, Proceedings A.S.C.E.,
August, 1956.

6. COMPLETED RESEARCH PROJECTS:

NONE

7. OUTSIDE SPONSORED RESEARCH:

ZWIGER, EUGENE M., "Shear Strength of Simply Supported
Prestressed Concrete Beams with Web Reinforcement,"
sponsored by the National Science Foundation to the
extent of \$10,200, which began September 1, 1956.

FOSS, RAY J., is still conducting research on the Alameda
Bridge to determine if a loss of prestress will occur
due to shrinkage of concrete and creep of steel along
with other factors. This work is partly sponsored by
the New Mexico State Highway Department.

8. OTHER PROFESSIONAL ACTIVITIES:

WAGNER, W. C.

Consultant on a number of large buildings, sewer systems,
and street systems in New Mexico.

FOSS, RAY J.

Faculty Adviser to Student Chapter of American Society
of Civil Engineers and Chi Epsilon.

Consultant work for City of Albuquerque in their engi-
neering department and local architects.

Sponsored Plastic Design Conference held
at the University of New Mexico in conjunction with
the American Institute of Steel Construction.

Presented a paper entitled "Working Relations Between Engineering Organizations and Architects," at San Jose, California, April 30 and May 1, 1957.

MAY, MARVIN C.

Continued as member of Albuquerque City Planning Commission.

Consulting engineer in subdivision and land planning work.

Presented paper on "Freeways -- A Problem in Public Relations" to the Third Annual Highway Engineering Conference at New Mexico College of Agriculture and Mechanic Arts.

ZWOYER, EUGENE M.

Directing project on "Shear Strength of Prestressed Concrete Beams With Web Reinforcement," sponsored by the National Science Foundation.

Structural design of structures to resist effects of nuclear weapons, sponsored by A.R.D.C.-U.S.A.F., Project contract held by Associated Research Design.

Presented paper, "Shear Strength of Prestressed Concrete Beams Without Web Reinforcement," Convention of American Society of Civil Engineers, Knoxville, Tennessee, June, 1956.

Presented paper at Conference on Protective Structures, May 27-29, 1957, at RAND Corporation, Santa Monica, California.

Attended meeting of Scientific Advisory Board, February, 1957, Washington, D. C., for the purpose of discussing protective structure design.

MARTINEZ, JOSE E.

Consultant in various hydrologic and drainage problems in several cities in New Mexico.

Member of State Plumbing Administrative Board, appointed by Governor John F. Simms for a term ending June, 1960, April, 1956.

Employed by Albuquerque District, Corps of Engineers, Summer, 1956, as hydraulics Engineer.

COTTRELL, MARION M.

Employed by Albuquerque District, Corps of Engineers, as consulting engineer.

9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES:

WAGNER, W. G.

Professional Societies:

National Society of Professional Engineers
 American Society of Civil Engineers
 American Society of Engineering Education
 American Society for Testing Materials
 American Concrete Institute
 Asphalt Paving Technologists
 Highway Research Board, University Contact Man
 New Mexico Education Association
 Registered Professional Engineer and Land Surveyor
 in New Mexico and Texas

Honorary Fraternities:

Sigma Tau
 Phi Kappa Phi
 Chi Epsilon

FOSS, RAY J.

Professional Societies:

American Society of Professional Engineers
 American Society of Civil Engineers, Faculty Advisor
 National Society of Professional Engineers
 American Society for Engineering Education
 Registered Professional Engineer and Land Surveyor, New Mexico

Honorary Fraternities:

Sigma Tau
 Chi Epsilon, Faculty Advisor
 Triangle

WAY, MARVIN G.

Professional Societies:

American Congress on Surveying and Mapping
 American Society of Civil Engineers
 American Society for Engineering Education
 New Mexico Society of Professional Engineers
 American Association of University Professors
 Registered Professional Engineer and Land Surveyor,
 New Mexico

Honorary Fraternities:

Sigma Tau
 Chi Epsilon

ZWOYER, EUGENE M.

Professional Societies:

American Concrete Institute, Chairman, Task Committee
404 of ACI-ASCE Committee 323 for specifications
of prestressed concrete design
Engineers Council for Professional Development,
Chairman, Youth Guidance Committee, State of New
Mexico
American Society of Civil Engineers, New Mexico Chapter,
Vice-President 1957
New Mexico Society of Professional Engineers, Albuquerque
Chapter, President 1956, Member Board of Directors 1957.
International Association for Bridge and Structural
Engineers
New Mexico Education Association

Honorary Fraternities:

Sigma Xi
Sigma Tau

MARTINEZ, JOSE E.

Professional Societies:

American Society of Civil Engineers
American Society for Engineering Education
U.S.-Mexico Border Public Health Association
New Mexico Education Association
New Mexico Society of Professional Engineers, Chairman
of Education and Youth Committee
Registered Professional Engineer and Land Surveyor,
New Mexico

Honorary Fraternities:

Sigma Tau
Chi Epsilon

10. STUDY AND TRAVEL:

None

11. GIFTS:

A gift of \$500.00 granted to the Civil Engineering
Department in conjunction with the "Standard Oil Company
of Texas Scholarship in Engineering." The purpose of the
grant was to help the school defray departmental expenses
incurred in connection with the scholarship.

Sandia Base Library donated approximately three or four years of subscription of Engineering News Record, Civil Engineering magazine and several other miscellaneous magazines.

THE REPORT OF
THE DEPARTMENT OF ELECTRICAL ENGINEERING
July 1, 1956 - June 30, 1957
Richard K. Moore, Chairman

1.0 SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1956-57

During the 1956-57 academic year, enrollments in Electrical Engineering showed large increases, with a 50 per cent increase in the size of the sophomore class and an even larger increase in graduate enrollment. One-fourth of the graduating seniors in June 1957 plan to stay with us for graduate work. The Doctor of Science Program was started and about twelve candidates have been approved so far. The strength of the staff in the department was considerably increased by addition of three professors having Ph.D. degrees. Research activity continued and expanded and is due for a much greater expansion in the next academic year. A rearrangement of the undergraduate curriculum strengthened it in the area of basic science.

1.1 Enrollment Summary

Enrollment in the Electrical Engineering Department remained largest in the college, with totals, exclusive of freshmen, of 168 during the first semester and 177 during the second semester. It should be noted that this was a 46 per cent increase over the second semester of last year. A total of 33 students received the B. S. degree in June. Five of these had completed their requirements prior to the end of the second semester.

Graduate enrollment was the largest in any department on campus, as it was last year. During the first semester, there was a total of 162 graduate students including 107 in Albuquerque, 35 at Holloman and 20 at Los Alamos. The second semester total was approximately the same.

This figure may be slightly at variance with the official records because some of the students known to be working on thesis while employed at Sandia are included in our list even though they were not officially registered during the semesters involved.

It is extremely encouraging to note that 7 of the 28 June graduates plan to continue to work toward the Master's degree at UNM.

1.2 Progress in the Graduate Program

The program for the Doctor of Science was started during the year. The number of students actively working in this program during the past year was seven, but a number have been admitted for next year. Three of these seven took the first qualifying examination given in May, 1957.

Due to increased enrollments in the Graduate Program, the number of courses being offered at the graduate level has been raised to four per semester, in addition to those courses open to graduate students but numbered below 200. It was necessary to teach two sections of EE 203, Transients in Linear Systems, during Semester I.

The Graduate Colloquium was continued and proved a real asset in binding together the students who are employed outside the University.

New graduate courses, EE 235, Radio Wave Propagation, and EE 216, Network Synthesis, were added to fit the requirements of Doctor's Program and the interest of new staff members.

1.3 Physical Plant

With the aid of the services of our half-time mechanician and his student helpers, the Circuits Laboratory for the sophomore course has been expanded to handle a total of twenty-four students and the equipment has been considerably improved. A special appropriation for this purpose was necessary.

While a start was made in setting up a Communication Theory Laboratory, shortage of equipment prevented a very satisfactory laboratory. In spite of receipt of a number of extremely valuable items of surplus microwave equipment, the Microwave Laboratory is still so inadequate that EE 182L, the Microwave Laboratory course, was an extremely frustrating experience both to the students and the instructor.

Funds made available for a full-time mechanician during the forthcoming school year should make possible better utilization of surplus equipment which has been received from Federal sources and from the Western Electric Company. It may be possible to set up an adequate stock room during the forthcoming year, but this has not been possible during the past year.

Our mechanicians have fused all the meters used in the Circuits Laboratory. It is interesting to speculate as to the cost which would have been incurred had meters been unfused when one considers that the cost of meter fuses alone was \$60 during the year!

Power wiring has been installed in the Research Laboratory and laboratory tables and desks set up there. In addition, a 600 cps,

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10 KVA Alternater obtained from Government surplus has been installed as a high-frequency power supply for the building. Also installed at the main switchboard have been three surplus, low-voltage, direct current supplies being used principally in the Circuits and Research Laboratories.

An attempt was made to dispose of old but serviceable machines and an old switchboard. Bids on most of the machines were unsatisfactory but the switchboard, four motor controllers and a variable speed motor were sold. The income from these sales is being used to purchase equipment for the Microwave Laboratory.

The remaining surplus equipment will be disposed of in what seems to be the best manner. An attempt has been made to learn whether donation to a foreign engineering school would be possible, since many of the machines, while somewhat antique, are quite serviceable; and the bids offered for them were lower than junking prices.

The laboratory equipment rental policy was continued with an income during the year of around \$50.

1.4 Student Achievements

Mr. George R. Swain and Mr. James Arlin Cooper, graduating seniors, were awarded National Science Foundation Fellowships for graduate study. Both plan to use their Fellowships at UNM.

Winners of the Joint Student Paper Contest sponsored by local AIEE and IRE sections were Mr. James R. Durant, IRE, and Mr. Elmer C. Riekeman, AIEE. Mr. Durant was awarded a trip to the IRE Seventh Regional Conference at San Diego and Mr. Riekeman was given a trip to the Joint AIEE Student meeting at Las Cruces.

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Mr. James R. Durant won first prize in the ACF Industry's Technical Writing contest open to all students, both graduate and undergraduate. Mr. Billy W. Blair won the Society of Technical Writers prize and Mr. Howard C. Chandon received an honorable mention in the STW contest.

The George E. Breece Prize in Engineering was awarded to Mr. George R. Swain. The Northern New Mexico Section AIEE award went to Mr. Richard E. Fleck. A John E. Beck Memorial Scholarship went to Mr. Donald W. Dearholt.

The first engineering student to graduate with University Honors in recent years was Mr. James Arlin Cooper. Mr. Richard D. Fleck and Mr. George R. Swain were both graduated with distinction. Thus nine per cent of the graduating seniors in Electrical Engineering ranked in the upper five per cent of their class. Mr. James D. Reese was one of two awarded the honor of Distinguished Air Force ROTC graduates.

1.5 Undergraduate Program

The common stem courses in Electrical Engineering for all engineers were continued during this school year. There is considerable debate among the EE faculty as to the advisability of this system. A new arrangement of the course with a new text has been selected for next year.

An experiment in better utilization of teachers was carried out in EE 51 second semester. Three sections were combined into one large lecture which met twice per week with three problem sections meeting

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once each week. While the results were not as good as they might have been, it is thought that this experiment may be tried again with a longer period allotted to the problems section and with the professor who handles the lecture handling at least one of the problem sections.

A rearrangement of the curriculum has moved course EE 181 from senior to junior year, has moved EE 131 and 132 one semester later than they had been and has eliminated EE 113L. It is hoped to give the students a background in electric fields and a better background in circuits before using this material in the electronics course, EE 131. Also eliminated was the DC Machinery Lab, EE 102L. Some experiments in DC machinery will now be given in EE 151L during the senior year.

To strengthen the basic science background of our graduates, the Differential Equations course has been eliminated and a more comprehensive course in Applied Advanced Calculus has been added. This course has been placed in the first semester of the junior year so that mathematics taught there may be used in second semester junior courses. An elective has been left in the second semester junior year so that the second semester of Applied Advanced Calculus may be taken by those students who are qualified and interested. Physics 106L, Electricity Laboratory, has been eliminated from the senior curriculum and replaced by Physics 110, Atomic and Nuclear Physics. Much of the material taught in Physics 106L is now taught in EE 52L, and Physics 110 will fill an obvious gap in the knowledge of our graduates. Space has been left in the second semester for students to continue with Physics 111L as elective.

- 7 -

English 64, Informative Writing, has been moved from first semester sophomore to second semester junior so that the students need devote less time to finding subjects to write about and will be able to concentrate more on the methods of writing.

Use of equipment which permits rapid interconnection of the components in the Electronics Laboratory has been quite successful this year. Relatively small attrition was noted in the equipment although replacements will be necessary and new equipment will be necessary to take care of increased enrollment next year.

The departmental faculty has begun a critical evaluation to determine what topics should be taught to an electrical engineer, without regard for individual courses. The curriculum has been broken down into twelve major subject areas, plus a general category covering methods of thought, ethics, etc. The study of the electronics area was started first and is not yet complete. A five-page list of topics which might be covered in the electronics area, was prepared by Dr. Grammann and the faculty has discussed most of these topics, deciding whether they should be required or elective. It is anticipated that this will be carried on in the future and will result in an overall revision of the undergraduate curriculum.

1.6 Research

Research activities of the Engineering Experiment Station were increased this year. The first project for Sandia Corporation in the power transistor field was completed in October. The project on thermal-time constant of power transistor has been continued,

with a total of about \$25,000 spent so far. It is anticipated that this project will continue at a \$30,000 rate next year. Study of radar return at near-vertical incidence was started for Sandia Corporation in August, 1956. In February, 1957, a project with the Office of Naval Research to develop a transistorized analog-to-digital converter was started. On 1 June, 1957, a \$9,000 grant from National Science Foundation to study transistorized distributed amplifiers became effective. It is anticipated that the annual rate of research will exceed \$150,000 by 1 August 1957, as three new projects are expected by that time - one with Sandia Corporation, one with White Sands Proving Ground, and one with the Air Force Cambridge Research Center.

During June, 1957, the research payroll of the Electrical Engineering Division of the Engineering Experiment Station included three faculty members, a secretary, nine graduate students and three undergraduate students. It is anticipated that this will be increased considerably during the forthcoming year.

The research being done ^{at} currently is almost entirely with equipment furnished by the contractors which remains their property. In the future, it will be necessary to purchase equipment for use on research projects so that the research may be carried out effectively. Naturally, overhead fees collected from the contractors will amortize the cost of this equipment.

It will be necessary in the forthcoming school year to find additional space for the research activities of Electrical Engineering.

It is likely that this space can be found by partitioning parts of the Power Laboratory and by utilizing offices in nearby buildings.

Because of the size of the research program, it will be necessary for Dr. Grannemam to devote one-fourth time to research administration next year, in addition to his time devoted to projects on which he is technical director.

2.0 SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

It is expected that the revision of the undergraduate curriculum will be carried out in the next two or three years as described above. It is also expected that the graduate program will continue to increase, particularly that involving students studying on campus. It is anticipated that the enrollments will increase rapidly as they have done in the last two years.

Because our laboratories are totally inadequate for graduate courses, non-existent in the servo-mechanisms field and computer field, hardly more than a farce in the microwave field and nearly non-existent for University owned research equipment, it is expected that a considerable appropriation will be necessary so that we may carry out a respectable program on these areas.

With the increasing student load an increasing faculty will be necessary; however, if the present vacancies are filled, it should be possible to increase the faculty with part-time instructors working toward their Doctor's degree rather than with additional

professors, for at least the next two or three years. As the size of the student body increases, it will be necessary to expand our non-professional staff including secretaries, mechanics and student paper graders. In addition to the research being carried on under outside sponsorship, some internal research should be started.

2.1 Faculty

An increase in the number of graduate students employed as part-time instructors will be necessary in the 1958-59 year over those scheduled for 1957-58. If we can fill our present vacancies at the professorial level, we will have nine professors and one three-quarter time instructor during 1957-58, which should be adequate to handle the anticipated load that year.

It is significant to note that the quality of faculty we prefer to obtain usually are not obtainable at the assistant professor level for two reasons: (1) Salaries provided by industry are extremely attractive to the new Ph.D. in engineering. (2) Most engineers obtain several years practical experience prior to receiving their Ph.D. so that the number which can be found with sufficiently little experience to fill assistant professor brackets is small.

It is recommended that assistant professor's salaries in engineering be raised sufficiently so that these people with several years of industrial experience and a Ph.D. may be employed as assistant professors.

In view of the imminent retirement of Professor Ellis, we should start looking as soon as possible for a replacement in the power field.

2.2 Laboratories

It is planned to increase the number of students which can be handled in the Electronics Laboratory from 15 to 24 during the next school year. This will be possible only if sufficient funds can be made available for equipment. If it is not done, the number of sections in the Electronics Laboratory will have to be increased over those planned for next year.

Based on two years experience in operating the Microwave Laboratory, it is felt that a truly adequate course in this laboratory can be given only after the expenditure of many thousands of dollars of equipment - yet no Electrical Engineering Department in 1957 should be without a microwave laboratory.

As the number of full-time graduate students increases, it will be absolutely essential to obtain equipment so that students may do research problems and have laboratory courses in such fields as computers and electron devices. Digital and analog computer building blocks should be available for a modern graduate program in Electrical Engineering.

It is hoped that some funds may be made available for servomechanisms and analog computers through the Atomic Energy Commission program in Nuclear Engineering Education. It is

planned to request such equipment under this program. Since these are elective courses for the AEC program, it may be that the equipment will not be as easy to obtain as for the required courses.

We are expanding our research activities greatly. Many of the projects which we now have are of a paper work variety because of the lack of equipment. Many sponsors of research projects, particularly such agencies as National Science Foundation, Air Force Office of Scientific Research, Rural Electrification Administration, and industrial concerns, expect the University to provide the necessary equipment for carrying out experimental programs. Amortizing the equipment through overhead charges should be possible in most cases. We will be seriously handicapped in the research field as long as we do not have funds to match contributions by outside agencies in buying necessary equipment. It is therefore recommended that such funds be made available and that the accounting system used in determining overhead rates should reflect these charges as direct research expenses.

2.3 Secretarial and Mechanician Help

It is anticipated that the full-time secretary scheduled for next year will be able to handle the load, along with the 40 hours of student help which we have been receiving. Additional secretarial help will probably be required in the following years as the size of the teaching program is expanded. In addition, it should be noted that a research secretary will be needed next year. It is anticipated that funds for paying

the research secretary will be available from contracts. A half-time research secretary has been employed throughout the current year.

A full-time mechanician allotted for next year should be able to handle maintenance and stockroom problems in the undergraduate laboratories. He will also be able to set up some of the surplus equipment which has so far gone unused. As the number of sections of laboratories increases, however, it will probably be necessary to add another half-time man either in the '58-59 academic year or during the following year. In order to use our faculty most efficiently, it is anticipated that the size of sections will be increased. With larger sections, it will be necessary to employ more paper graders.

2.4 Shop Facilities

It is essential for the proper operation of an Electrical Engineering Department that machine tools be available. These are necessary for maintenance of equipment, for making special laboratory setups for undergraduate and graduate laboratories, and in particular for making special equipment needed in research. Research contract sponsors are not likely to be interested in purchasing machine tools which they feel should properly be the University's responsibility; therefore, it is recommended that a small shop be set up in this department, having at least two small lathes, a small milling machine, a grinder, etc. Larger machines found in

and industrial art shop may be used for bigger jobs.

2.5 State Sponsored Research

If the Engineering Experiment Station is to serve the state as stated in its Charter, a budget must be established for the station. This budget should include funds for solicitation of contracts and administration thereof, but should also include an appreciable appropriation for research sponsored by the state into items of immediate interest to the state. In particular, funds should be appropriated to help cover the cost of research and to utilization of solar energy, handling of the problems of telephone and power service for sparsely settled areas, flash-flood warning research, highway research and research into other problems of particular interest to New Mexico.

3.0 APPOINTMENTS TO STAFF

- Dr. A. H. Koschmann, Associate Professor, effective 1 Sept. '57.
- Mr. A. W. Edison, Part-time Instructor, effective 1 Sept. '57.
- Dr. Hans W. Gschwind, Part-time Lecturer, Semester I, '56-57, Temporary.
- Mr. Neith J. Pollard, Part-time Lecturer, Semester I, '56-57, Temporary.
- Lt. I. C. Trauth, Part-time Lecturer, Semester I, '56-57, Temporary.
- Mr. John M. Usry, Part-time Instructor, 1 Feb. '57, Temporary.
- Mr. Christopher Jako, Part-time Instructor, 1 Feb. '57, Temporary.
- Mr. H. Curtis Biggs, Part-time Lecturer, 1 Feb. '57, Temporary.
- Mr. Helmut Kuerschner, Part-time Lecturer, 1 Feb. '57, Temporary.
- Mr. George K. Hess, Jr., Part-time Lecturer, 1 Feb. '57, Temporary.
- Mr. Friedrich P. Ehn, Part-time Lecturer, 1 Feb. '57, Temporary.
- Mr. Carl D. Longerot, Student Assistant, 1 Feb. '57, Temporary.

4.0 SEPARATIONS FROM STAFF

C. S. Williams, Jr., Assistant Professor, effective 1 July '57.

5.0 PUBLICATIONS

FANNIN, BOB M. "Line-of-sight Wave Propagation in a Randomly Inhomogeneous Medium", IRE Trans., Vol. AP-4 (October, 1956), 661-665.

FANNIN, BOB M. & JEHN, K. H., "A Study of Radar Elevation-Angle Errors due to Atmospheric Refraction," IRE Trans., Vol. AP-5 (January, 1957), 71-77.

GRANNEMANN, WAYNE W. "Diffraction of a Longitudinal Pulse from a Wedge in a Solid," Jour. Acous. Soc. Amer., 28 (May, 1956) 494-497.

MOORE, RICHARD K. "Pulse Narrowing by Filters," Proc. IRE, 44 (Dec. 1956).

MOORE, RICHARD K. "Normal Incidence Reflection of Dipole Radiation from a Plane Interface," Sandia Corp Tech Memo TM 199-56-14 (Sept. 7, 1956).

MOORE, RICHARD K & WILLIAMS, CHARLES S., JR. "Radar Terrain Return at Near Vertical Incidence," Proc. IRE, 45 (Feb. 1957) 228-238.

MOORE, RICHARD K. "Effect of Precipitation on Design of Radio Altimeters," IRE Trans. Vol. ANE-4 (March, 1957), 24-29.

MOORE, RICHARD K. "The Effects of Reflections from Randomly Spaced Discontinuities in Transmission Lines," IRE Trans. Vol. MTT-5 (April, 1957) 121-126.

MOORE, RICHARD K. Various Articles in The Blast, including compilation of special University issue.

WILLIAMS, CHARLES S., JR. Classified Sandia Corporation Memorandum.

WILLIAMS, CHARLES S., JR. A number of Book Reviews for The Blast.

ENGINEERING EXPERIMENT STATION TECHNICAL REPORTS

COOPER, ROLAND L. A Transistorized DC Power Converter with Regulated Output. Albuquerque: University of New Mexico Engineering Experiment Station Technical Report EE-1, October 8, 1956. 86 p.

MANN, RICHARD LEE. The Ratings of a Power Type Transistor. Albuquerque: University of New Mexico, Engineering Experiment Station Technical Report EE-2, September, 1956. 59 p.

GLASCOCK, ROBERT B. & USRY, JOHN M. Converting Measured Antenna Patterns to Spherical Coordinates. Albuquerque, University of New Mexico, Engineering Experiment Station Technical Report EE-3, March, 1957. 18 p.

Progress Reports on various projects have been issued at quarterly intervals.

6.0 COMPLETED RESEARCH PROJECTS

The project of transistorizing a dc to dc converter was completed in October, 1956. This project was sponsored by Sandia Corporation and resulted in a new type regulator for transistorized converters. This method appears to give a considerably simpler type of control than previous methods. In addition, a balancing circuit was developed which considerably reduced the effects of voltage transients in the inverter circuit. A patent disclosure was submitted to the Atomic Energy Commission on these devices. This work was carried on in the Engineering Experiment Station under the direction of Professors Williams and Fannin.

7.0 OUTSIDE SPONSORED RESEARCH

Project 56-2EE, Sponsor: Sandia Corporation, Budget through July 1, 1957: About \$25,000. Estimated budget 1957-58: \$30,000. This project has to do with studying the thermal time constants of transistors so that a method may be determined from which pulse ratings can be established analytically. The project started March 19, 1956, and is expected to be renewed for one year from July 1, 1957 to June 30, 1958.

Project 56-12EE. Sponsor: Sandia Corporation. Budget: About \$22,000. This project started August 15, 1956, and is scheduled to continue until August 15, 1957. It is expected that it will be renewed at that time for another year at a considerably increased rate, probably about \$50,000. This project has to do with developing theoretical expressions for radar return from the ground at near vertical incidence, and studying data obtained over the years in connection with this problem by Sandia Corporation. It has been carried out under the direction of Dr. R. K. Moore. Dr. B. M. Fannin has also worked on this project.

Project 56-13EE. Sponsor: Office of Naval Research. Budget: about \$25,000. This project started February 1, 1957, and is expected to continue until February 1, 1958. It has to do with development of a special analog-to-digital converter to be used in connection with radar return measurements by the Naval Research Laboratory. New techniques are being used to achieve a design which will operate as rapidly as called for. It will be completely transistorized. Using transistors calls for development of many new concepts and will result in a unit much more compact and requiring much less power than any other comparable unit. This project is under the direction of Dr. Grammann.

Project 56-14EE. Sponsor: National Science Foundation. Budget: \$9,000. This project started 1 June, 1957. It is expected that it will result in development of a transistorized distributed amplifier. Distributed amplifiers are used to increase the band width available

with vacuum tubes but to our knowledge this is the first attempt made to transistorize such an amplifier other than that carried on by Mr. Robert B. Glascock as a senior honors project last year. This project will be under the direction of Dr. Moore.

Project 57-4EE. Expected Sponsor: Sandia Corporation. Expected Budget: \$30,000 for one year. This project is expected to start in July or August, 1957. It is our understanding that it is already within the Sandia Corporation Budget but that funds cannot be committed prior to 1 July. The project will be a part of Sandia Corporation's overall effort to automate development activities. It will have to do with determining how to make compatible transistor units which may be connected together without further engineering. It is anticipated that this contract will be renewed annually. This project will probably be under Dr. Koschmann.

Project 57-5EE. Sponsor: Air Force Cambridge Research Center. Budget: \$30,000 for 18 months. This project is expected to start before 1 July, 1957 and to extend for eighteen months. We were approached by the Cambridge Research Center and asked to study possible radio frequency emissions from rockets. This project will be a theoretical and, if necessary, experimental study of such emissions. A one year contract was withdrawn and it is expected to be replaced in the very near future by the eighteen-month contract. This project will be under the direction of Dr. Moore.

Project 57-6EE. Sponsor: White Sands Signal Agency, U. S. Army. Budget: \$26,000. This project is expected to start in July or August 1957. We were approached by the meteorological and geophysical measure-

ments group at White Sands Proving Ground to perform research necessary to understanding some of their problems in radio wave propagation in connection with missile locating radars. It is expected that useful publishable results will be obtained from this project and that we may help solve their problems. It is our understanding that the project is assured and delay in starting it is based on the normal contract arranging time. This project will be under the direction of Dr. Fannin.

While it is anticipated that the projects listed above will provide a full load for our facilities during the first semester, we are already working on new projects in various fields. We hope they will start during the second semester.

8.0 OTHER PROFESSIONAL ACTIVITIES

J. L. Ellis

A survey of European power plants was started in February and will be concluded at the end of this summer. Professor Ellis is using his sabbatical leave to visit power plants throughout Western Europe.

B. M. Fannin

Meetings Attended:

Third Annual Radar Symposium, University of Michigan, February, 1957. (Project funds used).

Texas Instruments, Inc. Professors Conference, December, 1956.
(paid by T.I.)

International Scientific Radio Union, Washington, D. C., May, 1957.

Paper presented: "Antennas Used in Radio Astronomy," Albuquerque Chapter IRE PGAP - also to EE Graduate Colloquium.

A. W. Mellich

Meetings Attended:

AIEE Branch Counselor's Meeting, University of Oklahoma.
(Paid by AIEE).

AIEE Student Paper Competition, Las Cruces, April, 1957.
(Paid by AIEE).

W. W. Gramsmann

Meetings Attended:

West Coast Electronic Show & Convention, Los Angeles,
August, 1956.

Texas Instruments, Inc., Professors Symposium, December, 1956.
(Paid by T. I.)

Symposium on Semi-conductors, New York, April, 1957.
(Paid by Project funds).

American Physical Society, Washington, April, 1957.
(Project funds used).

R. K. Moore, Chairman

Consulting with Sandia Corporation; Consulting with Andrew
Alfred Corporation (Boston).

Summer, 1956, employed at Sandia Corporation.

Member of Electronics Advisory Board, Albuquerque Chamber of
Commerce.

Meetings Attended:

West Coast Electronic Show and Convention, August, 1956.
(Paid by Sandia Corp.).

Texas Instruments Inc. Professors Symposium, December, 1956.
(Paid by T. I.).

IRE Seventh Regional Technical Conference, San Diego, April, 1957.
(Paid by IRE).

International Scientific Radio Union Meeting, Washington, D. C.,
May, 1957. (Project funds used).

R. W. Tapy

Working on book on D. C. Machines.

C. S. Williams, Jr.

Employed at Sandia Corporation full time during summer, 1956 - otherwise part time.

9.0 ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIESB. M. Fannin

Appointed member of Commission II, USA National Committee, International Scientific Radio Union.

Co-chairman Meetings and Paper Committee, Albuquerque--Los Alamos Section IRE.

W. W. Grannemann

Member IRE Albuquerque-New Mexico Section Committee on Education and Scholarships.

A. W. Mellich

AIEE Counselor, University of New Mexico, Joint Student Branch.

R. H. Moore

Papers Presented:

Frequency Allocation (discussion leader) November, 1956, Albuquerque Chapter IRE PGAP.

"An Engineer Looks at Modern Report Writing," Albuquerque Chapter, Society of Technical Writers, Jan., 1957.

"Radar Terrain Return at Near Vertical Incidence" UNM EE Graduate Colloquia at Los Alamos and Albuquerque.

"Resolution of Vertical Incidence Radar Return into Random and Specular Components," International Scientific Radio Union Meeting, Washington - also to Albuquerque Chapter IRE PGAP.

Representative of Institute of Radio Engineers on campus

Student Branch Coordinator, Albuquerque-Los Alamos Section, IRE.

Member Radio Wave Propagation Technical Committee, IRE.

Secretary to Commission II, USA National Committee, International Scientific Radio Union.

Vice-Chairman, Albuquerque Chapter Professional Group on Antennas and Propagation.

Member IRE Committee on Education and Scholarships (Albuquerque-Los Alamos Section).

Young Engineering Teachers Representative on Campus, American Society for Engineering Education.

UNM Representative, Engineering College Research Council.

Member, Region Seven Sub-Committee of the IRE Education Committee.

C. S. Williams

Book reviewer for The Blast

Albuquerque-Los Alamos Section IRE Publications,
Albuquerque Chapter, IRE Professional Group on Information Theory,
Secretary.

10.0 IMPORTANT STUDY AND TRAVEL

See listings under Item 6, 7, and 8. Particularly note Professor Ellis' trip to Europe.

11.0 GIFTS

Western Electric Company -

- Several lots of condensers
- Several filters
- Several inductors
- X-band thermistor mount
- 20 potentiometers
- 5 switches
- 10 thermistors
- 2 transformers
- 21 transistors
- 1 tube
- 50 varistors
- 1 variable inductance
- 1 mobile radio receiver and transmitter
- 1 Leeds & Northrop pen recorder
- 1 resistance decade
- 1 coaxial wave meter
- 50 pieces of wave guide
- 1 probability demonstration board.
- 1 receiver and transmitter

Gifts ContinuedInternational Business Machines Corporation

Computer study kit.

Numerous items received under Federal Government surplus property program.

Texas Instrument Incorporated

Transistor display board
Several sample transistors.

The Report of the Department of
Mechanical Engineering
July 1, 1956 - June 30, 1957
Charles T. Grace, Chairman

I. Achievements

(a) Student Enrollment and Degrees Granted

	Soph.	Junior	Senior	Graduate
Sem. I	72	40	31	88
Sem. II	68	49	27	93
B.S. (M.E.)	June 1957		29	
M.E.	June 1957		4	

(b) Curriculum Changes

Two undergraduate and three graduate courses were dropped from the catalog because of changing emphasis in our program. Four courses were changed to allow for laboratory work, mainly in the Nuclear area. It is hoped that satisfactory laboratory facilities may be obtained from the A.E.C. as our present and past equipment budgets would not permit our embarking in this field.

Some rearrangement of courses in the program was made. Internal Combustion Engines was removed from the required list and placed on the technical elective list, Heat Transfer was made a required course whereas it had been a technical elective.

Careful consideration of the shop program has been under way and a recommendation will be presented next year.

Two new courses "Introduction to Nuclear Engineering" and "Experimental Stress Analysis" offered for the first time here by Dr. R. C. Dove were very well received. A new course "Gas Dynamics" in the graduate area was approved for Prof. E. C. Rightley and will be given Sem. I, 1957-58.

(c) Laboratories

Installation of duct work and instrumentation made it possible to use the General Electric Weathertron for classroom air conditioning and for test work in the senior laboratory.

Most of the equipment budget was used to equip the experimental stress laboratory. Numerous small items of equipment for the heat and fluids laboratories and small tools for the metal shops made up the remainder.

(d) Student Achievements

Jose Suazo was the recipient of a General Electric Scholarship of \$650.00 and the University received \$350.00. He also received a \$50.00 award from the Society for Quality Control.

Jack Little received the Sylvia Farney scholarship of \$500.00 from the Woman's Auxiliary of the American Society of Mechanical Engineers. He was granted a \$500.00 scholarship from Standard Oil of Texas, an additional \$500.00 will be awarded the Mechanical Engineering Department. He was also the recipient of the H. L. Dougherty Memorial Prize in Engineering.

Larry Williams received a \$100.00 scholarship for 1957-58 from The Society for Quality Control.

Dale Burnworth placed third in the American Society of Mechanical Engineers Regional meeting in Denver for his paper on "Perimeter Heating."

2. Plans and Recommendations for 1957-58

- (a) Install inlet and outlet ducts on the General Electric Air Conditioner and provide low-pressure steam nozzles in the inlet duct to humidify air and demonstrate the dehumidification at cooling coil. Outlet duct to have provisions for traverse with pitot or velometer to determine

- capacity. This duct might also include a reheat coil. Estimate of cost \$100.00 plus cost of reheat coil from General Electric.
- (b) Revise the present centrifugal pump test setup. We plan to use a small electric cradled dynamometer, which is presently used with a small gasoline engine, to drive a new 30-50 GPM centrifugal pump. Estimate of cost \$150.00.
- (c) Roof over the area between the Foundry Building and the Machine Shop. This area could be used for foundry practice and forging. The acetylene welding could be moved to present Foundry Building and the arc welding section could be more efficiently and safely arranged. This is an urgent need to meet the rapid increase in second year students and the reduction in staff from two men to one. This item has been repeatedly requested. Cost would be the Buildings and Grounds charges for a roof and two end walls.
- (d) There is an urgent need for a Number 2 Universal Milling Machine in the Metals Shop. The present machine is obsolete and in very poor shape. A new machine would cost approximately \$9,000.00, a good second hand one about \$5,000.00. The item has also been repeatedly requested.
- (e) The retirement date for Professor A. D. Ford will be May 12, 1959, unless a change in the policy of retiring staff at 65 is made. As difficult as experienced teachers are to find I feel we should be authorized to hire a man who will fit into the vacancy whenever we can find one. Increases in enrollments will soon require another man in any case so this would not mean over-staffing for any length of time.

- (f) The laboratories have been maintained by faculty and student help. The increased student load has reduced faculty time for such projects, furthermore, use of a faculty member's time for such work is not economical. Student help is a poor solution to the problem except for the financial aid to the student. We request that we be granted a laboratory technician who will command \$4500 - \$5000 a year (11 months).
- (g) The operation of the laboratories is handicapped and equipment deteriorating due to the large quantities of sand and dust that filters in. This should be corrected by the installation of a forced air ventilating system and repairs to building.
- (h) Practically all the metal working equipment is old and in poor condition. A program of replacement is vitally needed. In addition to replacements the following items of new equipment are needed to modernize the shops:

	<u>Estimated Cost</u>
Universal Shaper	\$8,000
10-inch Engine Lathe	2,300
DoAll Metal Band Saw	1,000
Small Metal Planer	3,000
Small Radial Drill	3,000
Heavy Duty Metal Cutting Shear	1,500
Inert Gas Arc Welder	800
	<u>\$19,600</u>

- (i) During the coming year the Nuclear Education Committee under the leadership of Prof. R. C. Dove should outline the laboratory requirements for two additional graduate courses in the nuclear field. This laboratory outline will be used as a basis for a request for funds from the Atomic Energy Commission. It is hoped that a grant may be obtained from the A.E.C. which will be adequate for equipping a laboratory which will include a small nuclear reactor.

3. Appointments to Staff and Promotions

Capt. Shelton G. Spear - Lecturer - Holloman Program - February 1957

Dr. Marvin E. Wyman - Lecturer - Los Alamos Program - September 1956

William E. Baker - Instructor - February 1957

James Robert Hume - Instructor - September 1957

4. Separations from Staff

Roy E. Blankley - Instructor - Retirement for disability - May 15, 1957

Baltazar E. Martinez - Instructor - Resigned June 30, 1957

5. Publications

SKOGLUND, VICTOR J. The Response of Vibration Mounts to Biharmonic Vibration with Paul H. Adams - Proceedings No. 24 of National Defense Shock and Vibrations Symposium, February 1957.

6. (a) Completed Research Projects

BAILEY, ARTHUR P. - Assisted in design and construction of equipment for two thesis projects (Beaman and Tenbrink). Designed a hopper for seeding burnt over forest areas from the air, in conjunction with Isaac Walton League, Civil Air Patrol, and The Forest Service.

DOVE, RICHARD C.

"Investigation of the Effect of Strain Rate on the Modulus of Foam Plastics" with Carroll D. Beaman, graduate student.

GRACE, CHARLES T.

"A New Design Key Locked Insert and Automatic Key Installation Tool" with Holt Gay, graduate student.

RIGHTLEY, EDWARD C.

"An Investigation of a Velocity Sensing Resonant Oscillator in an Inertially Operated Distance Meter" with Howard F. Devaney, graduate student.

SKOGLUND, VICTOR J.

"The Design, Assembly, and Performance Testing of a System for Coupling an Aircraft Engine Supercharger to an Automobile Engine" with James V. Neely, graduate student.

(b) Research Underway

SKOGLUND, VICTOR J.

1. Electric analog of heat transfer
2. Wave simulation
3. Vector representation of principles of fluid mechanics and thermodynamics.

7. Outside-sponsored Research

FARRIS, M.E. and GRACE, C.T. - Municipal and Industrial portion of New Mexico Water Resources Project - Resources for the Future (See report of Nathaniel Wollman).

DOVE, R.C., BAILEY, A.P. and GRACE, C.T. -

"Investigation of Dynamic Properties of Engineering Materials" University of California (Los Alamos) - \$7,921 to June 30, 1957

8. Other Professional Activities

Bailey, Arthur P. - 1956 Summer Faculty Staff Boeing Airplane Co., Wichita, Kansas. Survey of all types of training throughout plant recommended improvements in program.

Dove, Richard C. - Summer 1956 Staff Member Sandia Corporation. September 1956 to June 30, 1957 - Consultant to Los Alamos Scientific Laboratory.

Grace, C.T. - July 1, 1956 - June 30, 1957 Consultant to Los Alamos Scientific Laboratory. Full time at Los Alamos 3 weeks August 1956.

Rightley, E.C. - Summer 1956 Staff Member Sandia Corporation.

September 1956 to June 30, 1957 - Consultant to Sandia Corporation. Engaged in research on rotary devices for producing high aerodynamic forces.

Skoglund, V.J. - Earned a Professional Certificate from Nuclear Engineering Institute of Argonne National Laboratory during eight weeks summer course in 1956. Attended an Institute on Analog Computers at Oklahoma A. & M. May 1957.

9. (a) Activities in Learned and Professional Societies

Bailey, A.P.

First Vice Chairman of Albuquerque Section of American Welding Society. College Committees - Freshman Advisory, Committee on Committees. University Committees - Campus Improvement, Aims and Objectives.

Dove, R.C.

College Committee - Nuclear Education. University - Research and Development

Ford, A.D.

Faculty Sponsor for American Society of Mechanical Engineers Student Chapter, including student conference in Denver April 1957. Attended American Society for Engineering Education Southwest Meeting at Texas A. & M. College April 1957. Attended A.S.M.E. Fall Meeting at Denver, Colorado September 1956. Member of New Mexico Society of Professional Engineers, Educational and Legislative Committee. College Committees - Chairman, Student Affairs University Committees - Student Union Board, Chairman of SUB Planning Committee for new building.

Grace, C.T.

Attended annual meeting of American Society for Engineering Education at Ames, Iowa June 1956, American Society of Mechanical Engineers Fall Meeting at Denver, Colorado September 1956, American Society for Engineering Education Southwest Meeting at Texas A. & M. College April 1957. Member of Board of Directors New Mexico Section of A.S.M.E. College Committees - Administrative. University Committees - Policy (Member at large), Graduate.

Martinez, B.E.

Taught Summer Session at University of Colorado 1956. College Committees - Freshman Advisory, Library. University Committee - General College.

Rightley, E.C.

College Committees - Freshman Advisory, Schedule. University Committee - Athletic Council

Skoglund, V.J.

Secretary of The Society of the Sigma Xi. College Committees - Chairman, Service Course. University Committee - Registration

(b) Public Service Activities

Dove, R.C.

President of Mark Twain Parent Teachers Association

Ford, A.D.

Chairman, Albuquerque Boiler Code Board

Grace, C.T.

Vice President Albuquerque Optimist (Boys' Work)

Martinez, B.E.

Volunteer worker at Veterans Administration Hospital

Skoglund, V.J.

Sponsor Ski Club

10. Study and Travel

Baker, William E.

Graduate work at University of New Mexico Semester II

Martinez, B.E.

Graduate work at University of Colorado Summer 1956

THE REPORT OF THE DIVISION OF ARCHITECTURE
July 1, 1956 - June 30, 1957
John J. Heimerich, Chairman

1. ACHIEVEMENTS:

a. Enrollment figures for the current year as listed in the following table:

	<u>SEMESTER I</u>	<u>SEMESTER II</u>
Freshmen	31	25
Sophomores	11	12
Juniors	4	3
Pre-Seniors	0	0
Seniors	0	0

b. The Division of Architecture was inaugurated in the fall semester with the first three years of the curriculum being offered. The first four years of the curriculum will be offered during the 1957-58 school year and all five years will be offered in the fall of 1958.

c. A folder which describes the field of architecture and our curriculum was designed and prepared by the architectural faculty for distribution to high school students.

d. The Division of architecture sponsored the following architectural design exhibits:

- School Building Exhibit in Student Union Building, March 15-17, 1957. Superintendents and School Board Members State Meeting.
- Annual Architectural Exhibit in Fine Arts Building, March 13-15, 1957.
- School Building Exhibit in T-20, April 26, 1957. Secondary Principals State Meeting.
- House Design Exhibit in Student Union Building, May 4-15, 1957.

e. Co-sponsored plastic design of steel conference, Student Union Building, April 12, 1957.

f. The senior students under the direction of the faculty are constructing a Hyperbolic Paraboloid, a plastic-tension structure. This project is to be completed during the summer.

2. PLANS AND RECOMMENDATIONS FOR THE FUTURE:

a. A part-time faculty member will be needed for the school year 1958-59. This may be accomplished by employing a local architect on a part-time basis.

b. Additional space will be needed for design classes in addition to an experimental laboratory. This laboratory would be used for research and development of architectural construction details for undergraduate students.

c. A water-cooler (drinking fountain) and evaporative coolers for each office are needed.

3. APPOINTMENTS TO STAFF:

Associate Professor Bainbridge Bunting and Assistant Professor Robert Mallary are included as members of the Architectural faculty as well as the Art faculty.

4. SEPARATIONS FROM STAFF:

None

5. PUBLICATIONS:

(a) Books or Workbooks.

HEIMERICH, JOHN J., HUZARSKI, RICHARD G.,
STONEKING, CHARLES E., GAFFORD, WILLIAM R.,
NORRIS, FRANK F.: Workbook. Johnson Publ. Co.

(b) Articles.

SCHLIGEL, DON P., "Architecture and Creativity."
Roswell Museum Bulletin, Vol. 5, No. 2, (Spring
1957.)

6. COMPLETED RESEARCH:

None

7. OUTSIDE-SPONSORED RESEARCH:

None

8. OTHER PROFESSIONAL ACTIVITIES:

a. HEIMERICH, John J.

Lectures:

"Trends in Contemporary Architecture."
Los Alamos Home Owners' Association, Nov. 15,
1956.

Talked on Architecture at Valley High "Career
Day" April 3, 1957.

Talked on Architecture to selected group of
Roswell, New Mexico High School students, April
15, 1957.

Consultancies:

Employed by Louis G. Hesselden, architect,
summer, 1956.

b. SCHIEGEL, Don P.

Lectures:

"New Ideas in Structure" - Reserve Unit, Sept.
15, 1956.

"Regional Architecture" - Roswell Museum, March
15, 1957.

Highland High School "Career Day," March 29, 1957.

"Lighting As I See It" - Southwest Lighting Con-
ference, April 11, 1957.

Television:

University Program Series, KGGH

"City Planning" January 5, 1957.

"What is Architecture?" May 25, June 1, 8, 1957.

Consultancies:

Employed by Ferguson & Stevens, architects,
summer, 1956.

c. BUNTING, Bainbridge (see Art Department).

d. MALLARY, Robert (see Art Department).

9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

a. Heimerich, John J.

AMERICAN INSTITUTE OF ARCHITECTS

Corporate member.

Re-elected treasurer of New Mexico Chapter for 1957.

Chairman Finance Committee.

Attended Western Mountain District Meeting, Salt Lake City, Utah, Oct. 16-20, 1956.

Served on jury for architectural competition as presented by practicing architect in the district.

Attended four state meetings and five executive meetings.

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

Member.

Attended Southwest section meeting at Texas A & M campus, April 18-19, 1957.

b. Schlegel, Don P.

AMERICAN INSTITUTE OF ARCHITECTS

Corporate Member.

Attended national meeting in Washington, D.C., May 14, 1957.

Attended Association of Collegiate Schools of Architecture meeting in Washington, D.C., May 12, 1957.

c. Bunting, Bainbridge (see Art Department).

d. Mallary, Robert (see Art Department).

10. IMPORTANT TRAVEL AND STUDY

a. Heimerich, John J.

Sponsored tour of Architectural students to Acoma, New Mexico, March 31, 1957.

Sponsored tour for architectural students to Pueblo, Colorado Springs and Denver, Colorado. Visited steel mill, air force academy, various manufacturing plants for building products and building projects completed and under construction.

b. Schlogel, Don P.

Visited Chicago, Philadelphia, New York City and Washington, D. C., May 1957.

- c. Bunting, Bainbridge (see Art Department).
- d. Mallery, Robert (see Art Department).

11. GIFTS AND AWARDS:

- a. New Mexico Chapter, American Institute of Architects award of Architectural book and \$50.00 tuition scholarship won by Louis Weller.
- b. Architectural Design Competition by an anonymous donor of \$250.00. Winners: First prize, \$100.00, Morris Rippel, second prize, \$75.00, Jon Easley, third prize, \$50.00, Ira White, fourth prize, \$25.00, Robert Campbell.
- c. Architectural Design Faculty Awards of architectural books. Freshman: Jack Barkley, Sophomore: Daryl Dick, Junior: Donald Shaffer, Senior: Ira White.
- d. Albuquerque Home Builders' Association Home Design competition - prize of \$250.00. Winners: First prize \$100.00 by Ira White, second prize of \$75.00 by Morris Rippel, third prize of \$50.00 by Eugene Brasher, fourth prize of \$25.00 by Louis Weller.
- e. Tile Council of America award of \$50.00. First prize of \$25.00 to Louis Weller, second prize of \$15.00 to Donald Shaffer, third prize of \$10.00 to Gaylord Gates.
- f. Allied Arts Competition Award of \$50.00 by the New Mexico Chapter of the Illuminating Engineering Society. First prize of \$25.00 won by Jon Easley, second prize of \$15.00 by Robert Campbell and third prize of \$10.00 by H. L. Barker.

THE REPORT OF THE COLLEGE OF FINE ARTS

JULY 1, 1956 to JUNE 30, 1957


JOHN DONALD ROBB, DEAN

As, in view of my forthcoming retirement, this is the last Annual Report I will submit, I wish to renew my annual recommendation that the Administration give serious thought to the special building problems of the various departments of the College of Fine Arts. There is no question in my mind that the development of these departments has been seriously retarded by the lack of attractive and adequate buildings. The College has frequently been placed near the top of the list and many times passed over in favor of other colleges or departments.

As of July 1st, my retirement will take effect and Dr. Edwin Stein will take over the duties of Dean of the College of Fine Arts.

For a detailed report on the activities of the various departments I refer you to the reports of the Departments of Art, Drama, Music and the Division of Architecture, and the individual biographical reports of our faculty.

Respectfully submitted,



J. D. Robb, Dean

Art Department
University of New Mexico
Albuquerque, New Mexico

May 22, 1957

The Report of the Department of Art
July 1, 1956 - June 30, 1957
Lez L. Haas, Chairman

1. Significant achievements during the academic year, 1956-57

There have been no significant changes in departmental requirements or emphasis during the subject year. In reference to offerings, however, the department has approved and plans to forward to the interested committees a request for a change from a one year Masters degree in Crafts and Painting to one that would require two years for completion.

2. Significant plans and recommendations for the near future.

The department has made no significant plans nor has it any recommendations for the near future until Dean Stein has had sufficient time to acquaint himself with the problems of the College.

3. Appointments to staff.

Associate Professor Sam Smith and Assistant Professor Carl Paak were added to the staff of the department as of September 1, 1956, Miss Alice Kagawa and Professor Randall Davey having resigned from the staff last year.

4. Separations from staff.

Separations from the staff were covered in the previous report.

5. Publications

(a) SMITH, SAM. Illustrations for, and design of, The Cowboy's Christmas Tree, by Mrs. Jerome Eddy.

(b) HAAS, REYNOLD M. Article on Andrew Dasburg, Dallas Museum of Fine Arts Catalogue, 1957

HAAS, LEZ L. Exploratory Painting in the Age of Science, Roswell Museum Bulletin, 1956; reprinted in catalogue, Ramon Jonson Retrospective Show, Museum of New Mexico, Santa Fe. 1956.

LETSCHL, JOHN. The Creative Process (Lecture to be published Roswell Museum Bulletin.)

(c) None

6. Completed Research projects.

Studies in figure drawing and painting, Professors Adams and Haas in collaboration.

Twenty minute sound film, A New Look at Football Numerals, Professor Ralph Douglass.

Research and experiment with plastics with a view to adopting these to Crafts and Fine Arts, Ralph Lewis.

Investigation of polyester resin and glass media, Robert W. Mallary.

7. Outside-sponsored research.

One stained-glass window, Library of Western State College, Canyon, Texas, John Tatschl.

Two stained-glass windows, Church of St. Michael, Albuquerque, John Tatschl.

8. Other professional activities.

(a) Exhibits

Included in two traveling shows, Museum of New Mexico, Ralph Douglass.

One-man show, Roswell Museum, Ralph Douglass.

One-man show, Clovis Art League, Ralph Douglass.

One-man show, Oakland, Maryland, Lez L. Haas

One-man show, Santa Barbara Museum, Lez L. Haas

One-man show, University of New Mexico Art Gallery, Ralph Lewis

One-man show, Jonson Gallery, Robert Mallary

Commercial counter display, Art Director's Annual Exhibition, Southern California, Robert Mallary.

One-man show, New Mexico Art Gallery, UNM, Carl Paak

One-man show, Roswell Museum, Sam Smith

One-man show, Botts Memorial Hall, Albuquerque, Kenneth A. Adams.

Exhibit of silver-smithing, Roswell Museum, John Poore

Exhibit of silver-smithing, UNM, Albuquerque, John Poore

One-man show, UNM Art Gallery, Lez L. Haas

The faculty of the department have participated in so many individual shows with single paintings or works that it does not seem feasible to include a breakdown in this report.

(b) Lectures

An Appreciation of ^{Raymond} ~~Raymond~~ Jonson, New Mexico Art Museum, Ralph Douglass, 1956.

Great Plains Art, Great Plains Convention on Art Education, 1957, Ralph Douglass.

Sources of American Indian art, Taos Art Association, Taos, New Mexico, Lez L. Haas.

The Avant Garde in New York, UNM Art Gallery, Robert Mallary.

The Creative Process, For UNM Architecture Division, Robert Mallary.

On Greek Civilization, For Philosophy Club, UNM, John Tatschl.

Six Lectures on art history, UNM Humanities Survey Course, John Tatschl.

The Creative Process, UNM, John Tatschl

The Aesthetic Dilemma in Contemporary Art, Valley Verde High School, Sedona, Arizona, John Tatschl

The Aesthetic Dilemma in Contemporary Art, Highland University Summer Series, John Tatschl.

Speaker at Randall Davey Retrospective Show, Museum of New Mexico, Santa Fe, John Tatschl.

(c) Prizes and Awards

Purchase Prize (\$300.00) New Mexico State Fair, Ralph Douglass

First Prize Sculpture, New Mexico State Fair, John Tatschl

9. Activities in learned and professional societies

Adams, Kenneth M. Member A.A.U.P., Prairie Print Makers, National Academy of Design, N.M.E.A., Honorary Member New Mexico Art League, Kansas State Federation of Arts, Who's Who in New Mexico, Who's Who.

Haas, Lez L. Member A.A.U.P., American Archeological Association, College Art Association, New Mexico Art League, San Francisco Art Association, National Education Association - Listed in Who's Who in the West, New Mexico, America; Directory of American Scholars.

Lewis, Ralph W. Member Phi Kappa Phi

Mallary, Robert W. Member A.A.U.P, Artists Equity Association, College Art Association

Paak, Carl Erich. Member American Craftsmen Council

Poore, John W. Member A.A.U.P., National Art Education Association, National Education Association, Phi Delta Kappa Honorary Educational Fraternity

10. Important Study and Travel

Professor Bainbridge Bunting on sabbatical leave in Spain at the present time.

Professor John Poore was on sabbatical leave semester II of last year and studied silver-smithing in both Scandinavia and Great Britain.

11. Gifts

None

The Report of the Department of Drama
July 1, 1956 - June 30, 1957
Edwin Snapp, Chairman

1. Significant achievements during the academic year, 1956-57.

During the past year, the Department of Drama has continued its program for emphasizing International Theatre Month by arranging an International One Act Play Festival and presenting a special exhibit of the arts and crafts of the theatre in the Botts Memorial Library. The International Play Festival was presented in collaboration with the Albuquerque High Schools and played two consecutive evenings in the University Theatre. Following the final presentation of plays, the Department of Drama played host to over ninety student actors and production workers of the high schools and served a buffet supper to them in the Commedia Theatre.

2. Significant plans and recommendations for the near future.

The Department of Drama's plans for the immediate future include:

A. The purchase and installation of a new switchboard to replace the "home-made" switchboard which is in current use. Approximate cost...\$7,000 to \$8,500.

B. The replacement of three sections of the auditorium walls (which are at present constructed of wood frame and canvas) with permanent coverings of plaster board or celotex. Approximate cost...\$675.00.

C. The purchase and installation of a forced air ventilating system for the auditorium of the University Theatre. Approximate cost...\$5,000.

D. Remove present stage, rearrange present joist and install new joist as required, refloor with new pine flooring. Approximate cost...\$575.

E. Cut in scenery door on North side of Rodey using existing window. This will enable moving scenery in and out of Rodey in full pieces from Building H-2 where the scenery is made. Approximate cost...\$550.

F. Cut in scenery door on South wall of Building H-2 to enable removal of full flats for installation on Rodey stage. Approximate cost...\$660.

3. Appointments to staff.

Assistant Professor George L. Stoughton, July 1, 1956.

4. Separations from staff.

None.

5. Publications.

None.

6. Completed research projects.

None

7. Outside-sponsored research.

None

8. Other professional activities

The theatre productions presented during the year again evidence the department's policy of offering its audiences and students a wide variety of theatre experience and enjoyment. Major productions in Rodey Hall: "The Caine Mutiny Court Martial," "Prince Fairyfoot," "Ladies in Retirement," "The Devil's Disciple," and a musical comedy, "Gentlemen Prefer Blondes." Student productions presented in Rodey Hall: The Playwrights Theatre presented two bills of original one-act plays-- "The Studded Belt," "Speak the Speech I Pray You," and "Room 209;" "The Sojourners," "Harlequinade," and "The Dark Rosaleen." The Department of Drama also produced two original television dramas over the local T.V. station, KOAT.

9. Activities in learned and professional societies.

Professor Gene Yell attended the Southwest Theatre Conference, which was held in Austin, Texas, October 26, 27, and 28. He was on a panel, which discussed "Summer Theatre in the College." Professor Edwin Snapp

addressed the Drama-Speech section of the N.M.E.A.
Conference, October 27, 1956.

10. Important study and travel.

None

11. Gifts.

None

The Report of the Department of Music
 July 1, 1956 - June 30, 1957
 Hugh M. Miller, Chairman

1. Significant achievements.

During the course of this academic year the chairman, administrative committee, and faculty of the department have been studying ways and means by which the instructional program, especially in applied music, can be more efficiently planned toward the end of reducing per-credit-hour costs by larger enrollments. Progress in this direction was noted by the expansion of group instruction in piano and voice.

The organized ensemble groups of the department produced the following major works and concerts during the academic year:
Schubert Mass for orchestra and chorus (TV performance). Orchestra and chorus concert in Santa Fe with Vronsky and Babin (heart fund benefit concert). Each, St. Matthew Passion with orchestra, chorus, and soloists. Orchestra concert (December 9). Puccini, Sister Angelica (opera). Concert chorus on TV program in February. Fanfare. String Quartet on TV. Wind ensemble concert (April). Three concerts by the UNM band. The department has averaged two major concerts a month from September through May.

The department, through the administration of the scholarship committee, organized benefit concerts which enabled the department to offer four scholarships in applied music for which auditions were held and the scholarships assigned for the next school year.

2. Significant plans and recommendations.

The project described in paragraph 1 above will be more nearly realized by the curricula changes.

The departmental need for building facilities has repeatedly been stated in detail in previous reports. The need grows more acute.

3. Appointments to staff.

Dr. John Batcheller was appointed Assistant Professor in Music Education, effective September, 1956.

Mr. William Wilcox was appointed Instructor in Voice, effective September, 1956.

Mr. James Thornton was appointed Instructor in Woodwind Instruments, effective September, 1956.

Miss Ann Vigor was appointed secretary, effective September, 1956.

4. Separations from staff.

Mr. John Donald Robb is retiring at the end of the current fiscal year as Dean of the College of Fine Arts and Professor of Music.

Dr. Hugh M. Miller is resigning as chairman of the department at the end of the academic year.

Miss Jane Snow is on sabbatical leave, semester II, 1956-57.

5. Publications.

RHOADS, WILLIAM E. "Singin' on Lenox Avenue" High School Dance Orchestra Series. Hansen Publications, New York.

MILLER, HUGH M., ed. Tenth Supplement to the List of Books on Music. National Association of Schools of Music.

6. Completed research projects.

MILLER, HUGH M. An Introduction to Music

KELLER, WALTER. The Italian Organ Hymn, 1542-1700 (Ph. D. dissertation, Harvard University).

FREDERICK, KURT. Fugal Writing from 1750 to 1827 (Ph. D. dissertation, Eastman School of Music).

MC RAE, DONALD. "A late 15th century Mass" (Paper read at national convention, American Musicological Society).

---"Group instruction in applied music in the nations state universities."

7. Out ide-sponsored research. None

8. Other professional activities.

Dr. Frederick. Played Beethoven Violin Concerto with Los Alamos Symphony; with the Rio Grande Symphony. Soloist with UNM Band. Soloist in faculty recital. Recital in Artesia. Adjudicator at choral festivals in Artesia, Hobbs, Las Cruces. Reading session Albuquerque public school teachers. Director Youth Symphony.

Mr. McRae. Chairman, musicology panel, state MTNA meeting in Las Vegas. Soloist in St. Matthew Passion. Soloist, Elijah. Soloist faculty recital. Concert reviews, Albuquerque Journal and Tribune.

Mr. Rhoads. Guest appearances and adjudications in Canyon, Texas, West Texas Marching Contests. All-state Music Clinic. Guest conductor Alamogordo H. S. Band. Clinic Hobbs Junior High Schools. Adjudicator SW District Music Festival, Las Cruces. Guest conductor and clinician Sterling Colorado H. S. Band at MENC conference in Denver. Adjudicator music festival Eastern Arizona Junior College. Adjudicator and clinician at Middle Rio Grande Music Festival, Grants. Guest conductor Symphonic Band, Montolores Music Festival, Cortez, Colorado. Adjudicator Northeast District Music Festival, Clayton. Guest conductor, clinician, Junior High Schools, Artesia. Director second All-State Marching Bands, Albuquerque.

Mr. Robert. Performed as soloist and accompanist summer faculty concert. Lecture-recital Women's Association of the Albuquerque Civic Symphony. Soloist Albuquerque Civic Symphony. Same for children's concert. Accompanist for Camilla Wicks in Pecos and Lampasas, Texas. adjudicated Young Artists and Student Competitions, Amarillo Symphony Orchestra. Accompanist for Leslie Chabay in Community Concert in Los Alamos. Soloist University Orchestra. Accompanist for Joyce Fliessler at Taos. Soloist Albuquerque Civic Symphony (auditorium opening). Piano clinic Artesia High School. Recital, Artesia. Soloist in concert of music by J. D. Kobb.

Miss Snow. Soloist in St. Matthew Passion. Soloist in summer faculty recital.

Dr. Stephenson. Clinician Grants, Clayton, Artesia. Adjudication Roswell. Auditions for Amarillo Civic Symphony. Community Concert in Artesia. Auditions for all-state orchestra. Co-chairman All-state Band, Orchestra, Chorus Clinic. Organized certification of private music teachers. Conducted demonstration on functional theory in the junior high school. Assisted setting up Youth Symphony for Albuquerque. Assistant director Youth Symphony. Chairman of committee revising directed teaching for the University and Albuquerque Public Schools. Wrote Suite for String Orchestra. Directed instrumental program at St. Charles school.

Mr. Wilcox. Solo performance and song leading New Mexico State Fair. Recital at NMMTA convention in Las Vegas. Recital on University TV program. Tenor solos in Puccini's Missa di Gloria, Haydn's Lord Nelson Mass, Handel's Messiah (Albuquerque and Santa Fe), Mendelssohn's Elijah, Stainer's Crucifixion, Britten's Serenade for Tenor, Horn and Strings.

9. Activities in learned and professional societies.

Mrs. Ancona. State treasurer, New Mexico Federation of Music Clubs.

Dr. Frederick. Director of the Youth Symphony.

Dr. Miller. Chairman Committee on Library, National Association of Schools of Music.

Dr. Stephenson. Vice-President, New Mexico Music Education Association. President, New Mexico Music Teachers Association.

10. Important study and travel.

Miss Snow. Study Robert Korst (voice), Dr. Anne Berger (German). Travel in Europe and survey of opera (April-August).

11. Gifts.

The department received a number of separate anonymous donations of used record albums (78 rpm).

ANNUAL REPORT - GRADUATE SCHOOL

July 1, 1956 - June 30, 1957

Edward F. Castetter, Dean

1. Significant Developments During the Academic Year, 1956-57.

NEW DOCTORAL DEGREES

Upon recommendation of the College of Education and the Graduate Committee, the General Faculty, after discussing the proposal at two meetings, approved the offering of the Ed.D. and the Ph.D. in Education. In turn, upon recommendation of the General Faculty and the University Regents, the State Board of Educational Finance and State Finance Board approved these degrees.

Following the same series of University recommendations and approvals, the State Board of Educational Finance and the State Finance Board approved the awarding of the Ph.D. in Mathematics.

NEW MAJOR IN GUIDANCE AND COUNSELING

On recommendation of the College of Education and the Graduate Committee, the General Faculty approved at its May meeting a major in Guidance and Counseling at the master's degree level.

LOS ALAMOS PROGRAM

In the 1955-56 Annual Report of the Graduate School, the new Resident Graduate Program at Los Alamos was described. This program has developed in a highly satisfactory manner.

An indication of the enrollment trend in 1956-57, the first year of operation on a full resident basis, as compared with 1955-56 is as follows:

Graduate Enrollments

	<u>1955-56</u>	<u>1956-57</u>	<u>1957-58</u>
Sem. I	128	171	177
Sem. II	59	153	

HOLLOMAN AIR DEVELOPMENT CENTER PROGRAM

The graduate program at HADC, in operation since the fall of 1954, has shown the following enrollment trend:

	<u>1954-55</u>	<u>1955-56</u>	<u>1956-57</u>	<u>1957-58</u>
Sem. I	21	43	61	45
Sem. II	20	41	42	

SANDIA CORPORATION GRADUATE PROGRAM

The Sandia Corporation has entered into a contract with the University of New Mexico for instruction in graduate courses. According to the contract, the Corporation will reimburse the University for instruction as follows:

The University will charge graduate students employed at Sandia Base at the regular rate of \$12.00 per credit hour. The Corporation will also pay the University a sum equal to the tuition charged Corporation students by the University. Moreover, the Corporation will refund to the student fifty per cent of the tuition fee upon successful completion of approved courses taken for credit in residence classes. This contract is renewable year by year.

An important provision of the Corporation's educational aids program is that employees holding a bachelor's degree will be allowed a maximum of five class hours per week and a maximum of two and one-half hours per week commuting time off the job with pay to attend classes not available outside of working hours.

GRADUATE ASSISTANTSHIPS AND FELLOWSHIPS

The graduate assistantship stipend has been increased from the 1956-57 figure of \$1400 to \$1600 for the 1957-58 academic year. The number of assistantships in 1956-57 was 68; for 1957-58 the number will be 84.

There will be no change in the number of senior fellowships and junior fellowships in 1957-58 as compared to 1956-57.

ANNUAL RESEARCH LECTURE

The Annual Research Lecture Series, established in 1954, was continued. The fourth annual lecture was presented by Dr. France V. Scholes on May 3, 1957, on the topic, "The Spanish Conqueror as Business Man - A Chapter in the History of Fernando Cortéz." It is gratifying that from the beginning these lectures have been exceptionally well attended. The 1957 lecture attracted approximately 275 people. Also, there continues to be a heavy demand for reprints of the published lectures, the first two lectures now being out of print.

SELECTION OF BACCALAUREATE AND COMMENCEMENT SPEAKERS

The University administration has decided to seek outstanding speakers for the annual Baccalaureate service and the Commencement exercises, and the Graduate Committee has been assigned the task of recommending to the President of the University suitable nominees for these occasions. In 1957 the persons selected by the Committee and approved by the President were:

Baccalaureate Speaker:

The Most Reverend Robert E. Lucey, S.T.D.
 Archbishop of San Antonio
 "The United Nations and Peace"

Commencement Speaker:

Mr. John W. Gardner
 President, Carnegie Corporation of New York
 "The Era of Educated Leadership"

HONORARY DEGREES

On recommendation of the Graduate Committee and approval by the General Faculty and the University Regents, the following honorary degrees were awarded at the June, 1957, Commencement.

Doctor of Laws: Frank Harold Hanna Roberts, Jr.
 James Webb Young

GRADUATE ENROLLMENT DURING THE PERIOD
AS COMPARED WITH THE PRECEDING TWO YEARS

	Sem. I 1954-55	Sem. II 1954-55	Sem. I 1955-56	Sem. II 1955-56	Sem. I 1956-57	Sem. II 1956-57	Sem. I 1957-58
Day and Evening Totals	771	689	800	708	979	953	1206
*Los Alamos	140	66	128	59	171	153	179
*Holloman	21	20	43	41	61	42	45

*Included in totals

SUMMER SESSION ENROLLMENTS FOR THE PERIOD
AS COMPARED WITH THE TWO PRECEDING YEARS

1954	1955	1956
426	458	465

MASTERS' DEGREES GRANTED IN THE SEVERAL DEPARTMENTS
IN THE LAST FOUR YEARS

	1954	1955	1956	1957
Anthropology	4	2	4	3
Art	10	5	7	6
Biology	6	4	4	4
Business Administration	1	1	0	2
Chemistry	0	3	0	1
Economics	2	2	3	1
Education	0	0	1	0
Elementary Education	9	7	8	7
Secondary Education	8	19	10	9
School Administration	33	24	30	29
Art Education	6	5	6	4
Engineering				
Chemical	0	0	0	0
Civil	2	3	0	2
Electrical	4	5	4	6
Mechanical	1	2	2	4
English	6	2	5	6
Geology	2	1	8	4
Government	4	2	1	3
History	2	1	2	4
I.A.A.	2	1	0	1
Mathematics	1	2	3	4
Modern Languages				
Spanish	4	4	7	6
Music	6	1	3	0
Music Education		(Program started 55-56)	1	1

MASTERS' DEGREES GRANTED (CONT.)

	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>
Philosophy	0	0	1	0
Physical Education	2	7	2	1
Physics	4	1	4	4
Psychology	10	2	3	1
Sociology	2	3	1	0
Speech	1	2	5	1
	<u>132</u>	<u>111</u>	<u>125</u>	<u>114</u>

PH.D. DEGREES CONFERRED BY DEPARTMENTS IN THE PAST FIVE YEARS

	<u>1953</u>	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>
American Studies	0	0	1	0	0
Anthropology	0	0	0	2	0
Biology	1	0	3	0	2
Chemistry	5	2	0	3	8
English	2	0	1	1	4
History	1	2	2	2	1
Physics	0	0	2	0	1
Spanish	1	2	1	2	0
TOTAL	<u>10</u>	<u>6</u>	<u>10</u>	<u>10</u>	<u>16</u>

2. Significant Plans and Recommendations for the Near Future.

SPACE AND CLERICAL NEEDS FOR THE GRADUATE OFFICE

As indicated in the 1955 and 1956 annual reports, the office and storage space in the Graduate Office have reached the point of saturation and it is no longer possible for the staff to work efficiently in the cramped quarters, especially since an additional part-time clerical person will be used at peak periods in the academic year.

5. Publications.

(a) Graduate Bulletin, 1956-58

(b) "The Vegetation of New Mexico," by E. F. Castetter. New Mexico Quarterly Review, Fall, 1956, pp. 257-288. (This is the Third Annual Research Lecture, delivered April 13, 1956.)

6. Outside Professional Activities of Staff Members.

E. F. Castetter attended meeting of North Central Association in Denver, November 5, 1956. Also, Conference on Engineering Education and Nuclear Energy, Gatlinburg, Tennessee, September 5-8, 1956. Also, Annual Meeting of Midwest Conference of Graduate Study and Research, Chicago, Illinois, April, 1957.

The Report of the College of Law
July 1, 1956 - June 30, 1957
A. L. Gausewitz, Dean

1. Significant achievements during the
academic year 1956-57

For the year 1955-56 we made a detailed report of first-semester enrollment and attrition, graduating class, demand for graduates, administration of the loan funds, Orientation Day programs, Legal Aid, Alumni Association, and advisement. There is little significant change to report for the year 1956-57.

The size of the entering class was up from 32 to 47 (an increase of 47%), of whom 31, or 66% had baccalaureate degrees at the time of their admission. Attrition rates remain substantially the same.

There were 19 graduates in 1957. The demand for our graduates seems to be greater than the supply.

The most significant action taken during the year was the adoption by the faculty of the College of Law of a resolution making a baccalaureate degree the basic requirement for admission to the College of Law in the fall of 1960 and thereafter. This resolution was submitted to the administration and to the University faculty. It was approved by the University faculty on May 14, 1957. It is hoped that the

Supreme Court of New Mexico will, commencing in 1963, require that applicants from other states for admission to practice in New Mexico, by examination or on motion, have had at the time of their graduation or admission in another state the substantial equivalent of the education required by this College at that time.

Student interest, participation, and responsibility have not diminished, but have improved. The students administered a successful orientation program for the beginning students in the fall. They continued their bi-weekly luncheons with practicing lawyers and others as speakers. They attended a number of occasional special lectures by foreign and American scholars and lawyers visiting the campus. They also attended two series of special lectures, one series for first-year students on the legal profession and ethics and another series primarily for third-year students delivered by practicing lawyers on practical problems of the beginning lawyer and ethical problems incidental thereto. These lecture series have now been formalized by being numbered as courses. On satisfactory attendance the grade "CR" will be entered on the students' records in the Office of Admissions and Records and thus appear on their transcripts, but without subject credit. A similar provision is being made for work in the office of the Legal Aid Society of Albuquerque. Thus the

students will have some recognition for their time thus spent, though without subject credit, and be subject to a check of their required attendance.

The major activity of the students was a legal institute on the new Workmen's Compensation Act, which was arranged by the students and held May 3, 1957 as a part of the annual Law Day celebration, which closes with a banquet and dance. This institute was attended by over 150 lawyers and was thought so successful by them that they are earnestly considering joining it with, or substituting it for, the annual mid-year institute of the State Bar, usually held in Albuquerque, the thought being that attendance at each would be enhanced if lawyers need not attend two separate institutes at about the same time of the year.

During the year the College also instituted a system whereby practicing attorneys are provided with keys to the building and library to enable them to utilize the library nights, Sundays, and holidays when it would otherwise be closed. Thus far this has worked very well. The effect is to make available to the bar a library collection additional to that of the Supreme Court library at Santa Fe. Albuquerque has the greatest concentration of practicing lawyers and is more readily accessible to lawyers in the southern part of the state than is Santa Fe.

This arrangement was one result of a number of conferences by the members of the bar and the College of Law on how the two organizations could best co-operate on library facilities. In these conferences a number of suggestions were made, such as how to further prevent duplication of expenditures by the District Court library in the courthouse and the law school library and how the bar could otherwise contribute to the College library. One of its contributions was a Verifax machine by which documents and excerpts from books can be quickly duplicated without laboriously making a copy by hand or bringing a secretary to the library. The Verifax has similar and other uses for the law school.

Notwithstanding that the College objected that special appropriations for departments of the University by the Legislature were objectionable on principle, the Legislature, at the prompting of members of the bar, passed a line item appropriation of \$10,000 for the College of Law library. The College relinquished its claim to a share of the departmental book allocation for this year by reason of this appropriation. It did this notwithstanding that it needed the full amount to make up for past shortages caused by the fact that the College has in actuality never had any money for the purchase of new books. The reason that it

has had no money is that the departmental book allocation has in the past been barely adequate for continuations (which should be considered more in the nature of laboratory equipment), and the few new books purchased have been obtained by devious methods by our librarian, Mr. Poldervaart. An appropriation of \$10,000 per year is the minimum for all library book purposes. It may also be said for a line item appropriation that if the state is to maintain two law libraries, one in Santa Fe for the bar and another at the University which is available to the bar and others than University students and faculty, there is some justification for recognizing this as, in some degree, non-University expense.

The Simms Memorial Lecture was held on April 15, 1957. Senator John Sherman Cooper of Kentucky, recently Ambassador to India, spoke on "Neutralism and Nationalism in World Affairs."

Rudolph Schware was admitted as a student in the fall of 1950. He finished his requirements Semester I, 1953-54 and was graduated in June, 1954. The State Board of Bar Examiners refused him permission to take the bar examination on the ground that his past activities, chiefly past membership in the Communist Party, indicated moral unfitness to practice law. Mr. Schware took the matter into the courts. The New Mexico Supreme Court, in an

opinion rendered September 7, 1955, one justice dissenting, sustained the action of the Board of Bar Examiners.

Mr. Schware carried the matter to the Supreme Court of the United States, which in a unanimous decision reversed the action of the New Mexico court. Schware v. Board of Bar Examiners of the State of New Mexico, 77 Supreme Court Reporter, 752 (decided May 6, 1957). To quote from the headnotes of the case, the Court held that the evidence "could not be said to raise substantial doubts about his present good moral character, and refusing him the right to qualify for practice of law constituted a denial of due process." The College was not involved in these matters but nevertheless was subjected to some suspicion by the action of the State Board of Bar Examiners. These suspicions should be substantially allayed by the action of the United States Supreme Court.

2. Significant plans and recommendations for the near future

The requirement of a baccalaureate degree for admission in 1960 has been reported above.

The question of publication of a law review has been agitated since the establishment of the school in 1947. The College has throughout this entire period taken the position that the expense of a law review should

be borne by the members of the bar, except so far as the College could carry the editorial and writing work as incidental to its regular activities. The faculty at least twice expressed its willingness to carry this extra load, but the bar never was able to assure us of its support. At the last session of the Legislature a bill was introduced to provide for the publication of administrative orders and regulations officially in a law review to be published by the College of Law. It was thought that if it were the official publication for administrative regulations, it could be self-supporting, and the bill required that it be self-supporting. The College of Law indicated its willingness to carry the burden except for financial expense. The bill was passed by the Legislature, but vetoed by the Governor. The College has decided not to take the initiative in further solicitation of bar support for a law review, but to await action by the bar itself to undertake the support of the law review if the editorial work and administration be done by the law school. In giving a member of the bar an estimate of the expense, the Dean included an item for a person who would assist by doing secretarial work and otherwise. Members of our faculty have written for publication by the Division of Research

of the Department of Government, and the possibility of finding an outlet in the Quarterly has been discussed. These and other methods of publishing student and faculty work will continue to be considered and utilized, but the idea of a law review has not been abandoned even though at this time it appears desirable to shift to the bar a bit more of the responsibility for getting one established.

Another bit of legislation which would have helped the College, but failed in the Senate, was a bill that would have provided the College of Law with reports, statutes, and other state publications which could be used for exchange purposes. A bill to that effect had also been introduced in 1949. On both occasions, we of the College were greatly disappointed and unable to understand why there should be substantial opposition to a measure which would have, in our opinion, resulted in substantial savings to the state.

The curriculum and teaching methods of the College are continually under study, and little hope is seen for stabilizing the curriculum in the near future. It is not seen how it can be otherwise if the College is not to become lethargic by being static.

Commencing in 1957-58, the course in Trade Regulation will be dropped, and a course in Federal Jurisdiction added, --

this in addition to the regularization of the lectures on the legal profession and ethics previously mentioned. A similar experiment with a course in Commercial Transactions will continue for at least another year. Such experimentation is certain to continue in a College having a creative, progressive, and dynamic faculty. The problems of "liberalizing" the curriculum by work in legal philosophy and jurisprudence, and by making the program more "practical" by work in estate planning, for example, are always under consideration. The question of what, where, and how (whether by separate courses, by lectures, or incidentally in regular courses) is always being given thought, as is also the greater use of the problem method and other devices intended to take advantage of our relatively small enrollment to individualize instruction.

The problem of reducing teaching loads and the best and most efficient methods of utilizing faculty time in a school with a small student body is being solved by the alternation of some of the courses now being given every year.

Mention may be made of a number of matters. No legal fraternity has yet established a chapter here. The matter of obtaining a chapter of the national honorary society of the Order of the Coif is always in mind, and

there was some correspondence about it this year.

The Bar and the Supreme Court have amended the rules governing the admission to practice to waive the taking of examination and admit on motion the Dean and full professors who have been admitted to practice in other states, who have been members of the faculty of the University of New Mexico for the two years immediately preceding the filing of their application, and who have taught in or served as dean of a law school, approved by the American Bar Association, for seven of the eight years immediately preceding their applications. This action indicated a pleasing interest in, and desire to help, the College.

The College has attempted to do its part in general University administration and formulation of policy, and the Law alumni have maintained an active interest in the College and University.

3. Appointments to staff. None.

4. Separations from staff.

Dr. Ralph Carlisle Smith, Lecturer in Law, resigned from our staff May 1, 1957 because he is leaving New Mexico. The generous contributions and society of this gifted man

will be severely missed. The evening course in Patent Law that he gave will probably have to be dropped. If it is, it will for the present end our endeavor to make a contribution to the evening program, for our other evening course, Military Law, has already been dropped.

5. Publications

(a) Books and monographs

POLDERVAART, ARIE. New Mexico Statutes 1953 Compilation, 1957 supplements.

WEIHOFEN, HENRY. English edition of "The Urge to Punish," published April 29, 1957. (American edition published July, 1956)

(b) Articles - none

(c) Reviews

GAUSEWITZ, A. L. Review of Dudycha and others, "Psychology for Law Enforcement Officers," 42 American Bar Association Journal (October, 1956) 955-57.

VERNON, DAVID H. Review of Lawrence P. Simpson, "Cases on the Law of Contracts," 35 Texas Law Review (1956) 156.

VERNON, DAVID H. Review of Thomas Reed Powell, "Vagaries and Varieties in Constitutional Interpretation," 35 Texas Law Review (1956) 300.

6. Completed research projects

CLARK, ROBERT EMMET. "Practice Court at a Small Law School." To be published in the American Bar Association Journal (precise issue not yet known.)

6. Completed research projects - continued

POLDERVAART, ARIE. "The Statute Law as an Aid in Legal Research." (To be published in forthcoming issue of the Law Library Journal.)

POLDERVAART, ARIE. "Book Selection for the Law Library on a Limited Budget." (To be published in forthcoming issue of the Law Library Journal.)

VERNON, DAVID H. The Uniform Commercial Code and New Mexico -- Article 2: Sales. Albuquerque: University of New Mexico Government Series, Bulletin No. 50, 1957. 30 p.

VERNON, DAVID H. Report on the First Tentative Draft of the Statute of Limitations on Foreign Claims Act. (To be published in the Summer 1957 issue of the Wayne State Law Review.) (Has been distributed in mimeographed form to the Commissioners on the Uniformity of State Laws.)

7. Outside-sponsored research

POLDERVAART, ARIE.

Name of sponsor: New Mexico Commission for the Promotion of Uniformity of Legislation.

Amount involved: \$500.00.

Purpose of grant: An appraisal of uniform acts for possible adoption in New Mexico.

Duration: The work was completed during the summer months of 1956.

7. Outside-sponsored research - continued

SEED, VERLE R.

Has been and is now working on a two-year project consisting of two titles (about 175 pages) for a proposed publication of four volumes on the Law of Mining under the auspices of the Rocky Mountain Mineral Law Foundation. No grant; authors share in royalties following publication of the treatise.

VERNON, DAVID H.

Name of sponsor: New Mexico Commission
for the promotion of Uniformity of
Legislation.

Amount involved: \$1,000.00

Purpose of grant: To make a preliminary
study of the effect on New Mexico law
of the adoption of the Uniform Commercial
Code.

Duration: The work was completed during
the summer months of 1956.

8. Other professional activities

GAUSEWITZ, A. L.

Member, New Mexico Commission for the
Promotion of Uniformity of Legislation.

National Conference of Commissioners
on Uniform State Laws.

Lecturer, Boys' State, Roswell, New Mexico,
June 9-10, 1957.

Board of Directors, Legal Aid Society
of Albuquerque.

Member, Advisory Committee, New Mexico
Probation, Parole and Correction Association.

8. Other professional activities - continued

POLDERVAART, ARIE.

Director, Third Biennial Law Librarian's
Institute, University of Colorado,
June 18-22, 1957.

SEED, VERLE R.

Trustee, Rocky Mountain Mineral Law
Foundation; attended Rocky Mountain
Mineral Law Institute, Boulder, Colorado,
August 1-3, 1956.

VERNON, DAVID H.

Two television appearances on
University-sponsored programs.

Drafting of legislation in civil rights
area for N.A.A.C.P.

Panel on Human Rights before Federated
Churchwomen.

WALDEN, JERROLD

Talked on legal careers at Career
Day, Valley High School.

Moderated Law Day Institute on Workmen's
Compensation Act.

9. Activities in Learned and Professional Societies

CLARK, ROBERT EMMET

Chairman, Committee on Continuing Legal
Education, Albuquerque Bar Association.

Member, State Bar Committee on Development
of the Law School.

9. Activities in Learned and Professional Societies,
Continued.

GAUSEWITZ, A. L.

Member for New Mexico, American Bar
Association Committee on State
Legislation.

FOLDERVAART, ARIE

Chairman, Committee on Legislation,
Albuquerque Lawyers Club, 1956.

Member, Board of Directors, Albuquerque
Bar Association, 1956-57.

ROBINSON, MAGNUS E.

Member, Committee on Co-operation
With Other Professional Groups, New Mexico
Society of Certified Public Accountants.

VERNON, DAVID H.

Member of panel on Law School Records
at Conference of Western Law Schools,
Denver, April, 1957.

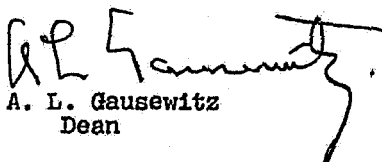
WEIHOFEN, HENRY

Member, Board of the Isaac Ray Award of
the American Psychiatric Association.

10. Study and travel - none

11. Gifts.

No gifts other than to the law library.


A. L. Gausewitz
Dean

June 28, 1957

The Report of the College of Nursing

July 1, 1956-June 30, 1957

Eleanor M. King, Dean

1. Achievements during the academic year, 1956-57.

The most significant achievement of the College of Nursing was the completion of its second year of life in a state of vigor and healthy promise for the future. In the regular four-year degree program, fourteen full-time sophomore students were enrolled and twenty-six students finished the freshman year. In addition, twenty-eight registered nurses have now been admitted to the College of Nursing, most of them completing degree requirements on a part-time basis by taking one or several courses during the academic year or the summer session.

The first course in the practice of nursing (Nursing 511-521: Fundamentals of Nursing) was offered this year to the sophomore students. Miss Dorothy Federson, assistant professor of nursing, was responsible for developing and teaching this course in the Bernalillo County-Indian Hospital. Each student each semester had six hours per week of instruction and supervised practice in those aspects of nursing here necessary as a foundation for the clinical nursing courses to be required in the junior and senior years.

For the registered nurses, two special workshops were offered. In July of 1956, twenty-two students were enrolled in a two-week workshop in Family Life Education and in June of 1957, eighteen students registered for a three-week workshop on Nursing in School Health Programs. Both workshops were offered primarily for school nurses to assist them in meeting certain state certification requirements. The directors of these workshops were loaned to the University and their transportation and salaries paid by their employing agencies, the U.S. Children's Bureau and the U.S. Public Health Service (Division of Indian Health).

2. Plans for the academic year, 1957-58.

a) Nursing Courses.

During the coming year the first courses in Medical, Surgical, Pediatric and Obstetric Nursing will be offered to the junior students and plans made for courses in Public Health and Psychiatric Nursing to be required in the senior year. At the request of various groups of registered nurses, several workshops for them are being considered and one or two may materialize. If so, instructional costs could again be met by interested national health agencies. The areas of interest are cardiovascular disease nursing, nursing in programs for mentally retarded children, and head nursing in hospitals.

b) Relationships with hospitals and health agencies.

Arrangements have already been made with the Bernalillo County-Indian Hospital for the College of Nursing to use the facilities of this Hospital for the courses in Fundamentals of Nursing, Pediatric Nursing, and Obstetric Nursing. Among other advantages, this Hospital offers a convenient geographic location and a larger proportion of Indian and Spanish-American patients than found in other local hospitals, a situation favorable for students learning to understand and work with the people and health problems of the southwest. However, these patients in general come from lower economic-educational groups and it is essential that students also have some experience with those of higher economic-educational attainments. Unless they do, they will be uncomfortable and ineffective as graduate nurses with the variety of persons and families needing their services in both nursing care and health education. It seems unwise to use the Bernalillo County-Indian Hospital exclusively as a laboratory for nursing students and plans are underway for using the facilities of another hospital for teaching the courses in Medical Nursing and Surgical Nursing. In addition to offering a different composition of patients and clinical

conditions, this second hospital, not yet selected, should be one with a more stable organization of administrative, medical and nursing personnel and more carefully considered policies and procedures than currently exist in the Bernalillo County-Indian Hospital. These factors directly affect the quality of the care of patients and it is vital that students have some experiences in a well-established hospital offering a consistently high caliber of medical and nursing care.

During the year 1957-58 plans will also be developed for the teaching of Public Health Nursing and Psychiatric Nursing in 1958-59. These laboratory courses necessitate arrangements for using the facilities of a health department and an institution for the care of the mentally ill. The Bernalillo County Health Department has already expressed its interest and it is anticipated that students will have their field work there under the supervision of the faculty of the College of Nursing.

The selection of a mental hospital to be used for instruction and practice in psychiatric nursing is the most difficult problem confronting the College of Nursing. It is devoutly hoped that a psychiatric unit will be established in one of the Albuquerque hospitals. At least two hospitals are concerned about the lack of local hospital service for the mentally ill and are considering plans for psychiatric units. It is barely possible that a facility may be developed in time for the senior nursing students ready for the course in Psychiatric Nursing in 1958-59, but so barely that it is necessary to consider possible out-of-town and even out-of-state institutions. Visits will be made in 1957-58 to at least four mental hospitals, two in New Mexico and one each in Colorado and Arizona. Unless one of the Albuquerque hospitals moves ahead by the first part of 1958, one of these four institutions will be selected and arrangements made for the psychiatric nursing instructor and students in the College of Nursing to be there for the course in Psychiatric Nursing. This will raise not only the

questions of transportation and board and room but will mean that non-nursing, on-campus courses cannot be taken during the period of psychiatric nursing experience. Too, the psychiatric nursing instructor, away from home base, will be unable to contribute to the total nursing curriculum or receive support and stimulation from the total nursing faculty group as desirably as if she were on the campus.

3. Appointments to staff.

No new faculty member was employed for the academic year 1956-57.

4. Separations from staff.

None

5. Publications.

None

6. Completed research projects.

None

7. Outside-sponsored research.

None

8. Other professional activities.

Faculty members participated in Career Day programs in several high schools throughout the state, in local Future Nurses Clubs, in the annual statewide Future Nurses Weekend, in programs of civic and social groups (such as the Albuquerque Woman's Club, the Pilot Club, etc.) wishing to know about the College of Nursing or trends in nursing.

9. Activities in learned and professional societies.

Miss Dorothy Federson, assistant professor of nursing, served during the year as Chairman, Committee on Careers, New Mexico State Nurses Association. She

also represented the College of Nursing in January at the San Francisco meetings of the Western Council on Higher Education for Nursing, a unit of the Western Interstate Commission for Higher Education.

Miss Eleanor King, dean and professor of nursing, was the University's representative on the New Mexico State Coordinating Committee for School Health, was a member of the State Committee on Certification of School Nurses, and was elected vice-president of the New Mexico League for Nursing. In December, she was a guest lecturer and participant in several public health and nursing seminars at Yale University on invitation of its Department of Public Health. In May she attended the biennial convention of the National League for Nursing.

10. Important study and travel.

No research project to date.

11. Gifts

During the year 1956-57, the following scholarship monies have been received by the College of Nursing:

<u>Organization</u>	<u>Amount</u>
Pilot Club of Albuquerque	\$400.00
Julia P. Heardon (individual)	250.00
District 12, New Mexico State Nurses Assn. (Grant County)	100.00
Voiture Locale 1377, Society of 4028, Los Alamos	100.00
New Mexico Health Foundation	200.00
Albuquerque Woman's Club	100.00
Women's Auxiliary, New Mexico State Medical Society	250.00
Grand Voiture, New Mexico Society of 40 & 8	125.00
Alumnae of Alpha Delta Pi	100.00
Junior Woman's Club of Albuquerque	150.00
Progress Woman's Club of Albuquerque	200.00

The Report of the College of Pharmacy
July 1, 1956 - June 30, 1957
Elmon L. Cataline, Dean

1. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1956-57

(a) Accreditation

On February 11-12, 1957, the College of Pharmacy underwent a periodic reinspection for continuation of accreditation by representatives of the American Council on Pharmaceutical Education, the North Central Association of Colleges and Secondary Schools, and the New Mexico State Board of Pharmacy. On the basis of the report of the examining committee, the Council, at its June, 1957, meeting decided "that this school complies with the standards of the Council for a class A College and that it should be retained on the list of Accredited Colleges of Pharmacy as such."

Thus, the College continues to maintain the high rating it has enjoyed during the past ten years. The 1957 re-examination was the fifth since the original examination in 1947.

(b) Recruitment of Students

The shortage of graduates to supply the demand of the profession of pharmacy for replacements continues in the State of New Mexico as it does nationally. As the population has increased, the demand for pharmaceutical service has also increased. However, enrollment in the colleges of pharmacy has not kept pace with this increasing demand. Recently, the profession as a whole has entered into the first stages of an intensive program of recruitment which, it is hoped, will

increase the supply of trained personnel. The practitioners of pharmacy have an extremely important role in this program since they perform their regular services at the point of contact with the source of potential pharmacists.

During the past year the College has made progress in interesting the pharmacists of New Mexico in the problem of recruitment. The New Mexico Pharmaceutical Association has adopted the suggestion of the College that a definite program of recruitment be undertaken. It is expected that more and more pharmacists will devote a part of their time to this program.

(c) Scholarships

1. The Pharmacy Scholarship Fund was established in 1945 through the generous contributions of the members of the pharmaceutical industry in New Mexico and contiguous areas. Through the years it has furnished one means for interesting young people in the study of pharmacy and, through loans as well as scholarships, of making it possible for them to continue their education when financial considerations might have made it impossible for them to do so. This year, the effectiveness of the Fund has been increased through the following changes:

First, the value of the scholarships was increased from \$75 to \$105, making them full tuition scholarships.

Second, scholarships were granted to Sophomore students in the College of Pharmacy. Previously, only Freshmen who were graduates of New Mexico high schools were eligible

to receive scholarships from the Fund.

Third, it was decided that the Freshman Scholarships would be awarded to Freshmen enrolled in the University College, provided that they indicate their intention of entering the College of Pharmacy, when eligible, and that they follow the recommended freshman pharmacy program in the University College.

Fourth, it was decided that a limited number of scholarships may be awarded to especially worthy students who are not residents of New Mexico and/or who are not graduates of New Mexico high schools. These scholarships will have a value of \$100 which is the differential between resident and non-resident tuition and fees. It has been found that the number of non-resident graduates of the College remaining in New Mexico nearly equals the number of resident graduates leaving the state. It is hoped that the granting of scholarships to non-resident students may be of some value in relieving the local shortage of pharmacists.

During the past year, six Freshman Scholarships and eleven Sophomore Scholarships were awarded. The total value of these was \$1700.

2. The Women's Auxiliary of the New Mexico Pharmaceutical Association and the New Mexico Allied Drug Travelers Association have continued their scholarships. Each organization annually awards \$250 to eligible students in the College of Pharmacy.

3. Annually, the American Foundation for Pharmaceutical Education contributes \$400 to each accredited college of pharmacy in the

United States to be used to grant scholarships to eligible junior or senior students. These funds have been most helpful in making it possible for deserving students to continue their pharmaceutical education.

(d) Pharmacy Activities Fund

From time to time in the programs of the College and its student body there is need for funds to defray the expenses of activities for which regularly budgeted funds can not be used. For example, student participation in the student meetings held in conjunction with district and national meetings of professional organizations is most desirable. Many times, however, the expenses incident to such attendance are so great as to preclude participation by eligible students. Other equally desirable examples might be mentioned.

Early in the year, the Dean approached two wholesale drug firms who have made annual contributions to the Scholarship Fund and proposed that these contributions not be earmarked but rather that the Dean be allowed to deposit them either in a new fund, to be called the Pharmacy Activities Fund, or in the Scholarship Fund, whichever seemed to be the most desirable. The firms willingly agreed to this proposal and, accordingly, the Fund was established. An additional wholesale drug firm also contributed to the Fund this year. Funds now on deposit total \$475.

The College of Pharmacy deeply appreciates the willing cooperation of the firms who have made the Pharmacy Activities Fund possible. Their names are listed in part II of this report.

- (e) The staff of the College of Pharmacy continued to serve as consultants to the profession in the state, and to others, during the year. This service included the furnishing of pharmaceutical information to the Governor, the New Mexico State Board of Pharmacy, pharmacists, physicians, and others, the formulation of special preparations, and advice relative to equipment to be utilized in improving prescription service. While remuneration for these services is seldom received or expected, the staff participate willingly since they believe that this type of professional service to the people of the state is one of the basic functions of the College.
- (f) The interest of the College in the improvement of relations between several segments of the health group was evidenced by the successful appearance of two staff members before a regular meeting of the Santa Fe District Dental Society in December, 1956. It is hoped that more contacts of this sort may be made.
- (g) The College continued to work closely with the New Mexico Pharmaceutical Association during the past year. Staff members appeared on the programs of nearly all of the District meetings and the annual convention and served on several important committees. The College of Pharmacy Advisory Council, now a standing committee of the Association, has continued to prove its value both to the College and to the members of the profession.

2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

For the most part, plans and recommendations for the near future center around, or arise from the forthcoming extension of the program of pharmaceutical education. The

effects of this change will be profound and far-reaching. Some problems have already been considered and apparent solutions found. Others remain to be solved.

In this connection, it is important to note that the College enjoys the support of the New Mexico State Board of Pharmacy and the New Mexico Pharmaceutical Association. The following resolution, passed unanimously at the Association's 1957 convention is significant.

"WHEREAS, progress in the field of pharmacy continues at an accelerated rate, and

"WHEREAS, the modern pharmacist must necessarily be properly trained in the professional and scientific aspects of the profession, and

"WHEREAS, it is vital to the continued improvement of the profession that the education of the pharmacist be broadened and liberalized, now, therefore,

"BE IT RESOLVED, that this Association endorses the principle of the five-year program of pharmaceutical education and urges the College of Pharmacy at the University of New Mexico to proceed to implement its proposed five-year program not later than the intended date, 1960."

(a) The Five-Year Program

As presently conceived, the program will be of the so-called "1-4" type, that is, it will consist essentially of one year of pre-pharmacy education and four years of professional training. Actually, the first professional year will be largely "pre-professional" in nature since the only professional courses will be orientational. The strictly professional courses will be offered in the last three years of the curriculum.

One of the major criticisms of the four-year program now offered in the colleges of pharmacy is that the student is narrowly trained. It has been said that "the colleges

of pharmacy are producing uneducated technicians." While this is not entirely true, it is recognized that the professional and cognate courses have come to occupy so much of the student's time that he has not been able to acquire much-needed knowledge in the more general areas of education. The five-year program will certainly not completely solve this problem. Perhaps no program of professional education, no matter how long extended, will ever result in the graduation of individuals who are adequately trained professionally and, at the same time, as broadly educated as might be desirable.

Nevertheless, the five-year program represents a step toward that most desirable goal. For example, in the current four-year program of this College, only nine per-cent of the total number of semester hours required for graduation are classified as "elective," or, in other words as hours which may be used by the student to "broaden" his education. The proposed five-year program will allow a minimum of twenty per-cent of the hours required for graduation to be used for this purpose. Furthermore, among the required courses are Economics, Mathematics, English, Speech and the courses in Pharmacy Administration, all of which are either completely or largely of a "broadening nature" - that is, not strictly pharmaceutical in character. On this basis, no less than thirty per-cent of the five-year program will be devoted to such work.

At the same time, the professional work, which now

totals sixty semester hours, will be increased to only sixty-two semester hours. This represents a decrease from 44.8% of the four-year curriculum to 38.8% of the five-year program. It is expected that the quantity and quality of the professional instruction will be increased significantly despite the very small increase in the number of semester hours allotted to this phase of the curriculum. At the present time, the student begins the study of pharmacy as a freshman with little or no knowledge of chemistry, biology, mathematics, and physics, all of which are basic to the study of pharmacy. Under the five-year program the student will have completed essentially the sophomore work in these disciplines (except mathematics.) As a result, it will be possible to up-grade the professional course significantly. Thus, the professional training of the student will be improved without increasing the time devoted to the professional courses.

The field of pharmacy is undergoing remarkable change and the role of the pharmacist is also changing. Formerly, he was largely a technician - a compounder of medications on a small scale. Now, the compounding is largely carried out in the pharmaceutical manufacturing laboratories. Research and improved methods of production have loosed a veritable flood of new medicinal products. The busy medical practioner unable to find the time to evaluate all these new products critically, is depending more and more on the pharmacist for accurate and timely information. The pharmacist is becoming the consultant in drugs to the

medical profession. This change makes it imperative that the colleges of pharmacy better prepare their students in the basic sciences of chemistry and biology, in pharmaceutical science, and in the more general areas of education so that they may successfully meet the challenge of their role. The extended program of education will make it more nearly possible for the colleges to accomplish their purpose.

(b) Staff

Although there will be little increase in the required professional offerings of the College when the extended program is initiated, it is most desirable that the staff be increased by at least one member as soon as possible, for at least three reasons.

1. During recent years, it has been necessary to divide the teaching responsibilities of some staff members between two fields of professional endeavor. In one instance, a staff member whose interest is in the field of pharmaceutical chemistry has also taught the course in pharmacognosy. Another member has taught a course in pharmaceutical chemistry in addition to his primary work in pharmacy. Such arrangements are not satisfactory because the individual is not able to develop the courses in his field in the most desirable manner.
2. The present program in the college is nearly completely devoid of professional electives because

staff loads preclude their being offered. If the College is to give a high-level program, it is vital that some professional elective courses be offered. This can only be done by increasing the staff.

3. Although the enrollment has not increased recently, it is reasonable to assume that it will begin to move upward as the "tidal wave" of students materializes. This will result in the necessity of sectioning some classes because of limitations in the size of the physical plant. Adding sections will increase faculty loads beyond the normal of twelve "adjusted hours."

(c) Physical Plant

In previous reports, the need for additional space has been discussed. Pressing essential needs are (1) faculty office space, (2) a classroom, (c) a pharmacy laboratory (to free the present laboratory for pharmaceutical chemistry entirely), (4) a student reading room, (5) additional bulk storage space as well as space for valuable and delicate equipment, and (6) a more useable animal room. Lack of these and other desirable spaces is a deterrent to the College in its attempt to do the best possible job.

(d) Joint Committee on the Practical Experience Requirement

Throughout the history of pharmaceutical education, apprenticeship training has been held to be virtually indispensable. When formal academic training was instituted the apprenticeship was retained although in abbreviated form. A minimum of one year of practical experience in addition to graduation from a college of pharmacy is required in all states.

Now that the five-year program of education will soon be

initiated it has become necessary to scrutinize the practical experience requirement in relation to the longer program. Acting upon the suggestion of the Committee on Curriculum of the American Association of Colleges of Pharmacy, the College has approached the New Mexico State Board of Pharmacy and the New Mexico Pharmaceutical Association relative to the establishment of a joint committee for the purpose of studying the practical experience requirement. The response has been favorable and the committee will soon begin its deliberations. The College expects to contribute effective leadership and counsel to the committee.

(e) "Refresher" Courses

In conjunction with the New Mexico Pharmaceutical Association, the College is beginning to explore the possibility of short courses for the practicing pharmacist. No pattern has yet evolved but it is hoped that such "refresher" courses may be instituted in the not-too-distant future.

There is an ever-increasing need for additional professional training among the practitioners of pharmacy. The College believes that one of its most important functions is to furnish such training.

3. APPOINTMENTS TO STAFF

There were no new appointments during the year under review.

4. SEPARATIONS FROM STAFF

No separations occurred during the year 1956-57.

5. PUBLICATIONS

BAKER, GEORGE L. "Prescription Ingredient Survey," Drug

Standards, 24, No. 3 (May-June 1956), 76-94.

BAKER, GEORGE L. "Prescription Ingredient Survey," Drug Standards, 24, No. 5 (Sept.-Oct. 1956), 163-186.

CATALINE, ELMON L. "The History of Pharmacy in New Mexico. I. The New Mexico Pharmacal Association," El Boticario, 3, No. 9 (Nov. 1956), 22; 3, No. 12 (Dec. 1956), 25; 4, No. 1 (Jan. 1957), 21.

CATALINE, ELMON L. "Oral Prescriptions for Certain Narcotic Drugs," El Boticario, 4, No. 5 (May 1957), 19, 22.

CATALINE, ELMON L. "Are Pharmacy Teachers the Weakest Link in Pharmaceutical Education?," Proceedings of the 15th Annual Meeting of District No. 8 of the A.A.C.P. and N.A.B.P., 1956, 41-44.

FIEDLER, WILLIAM C. and G. J. SPERANDIO, "The Formulation of Ointments Containing Medication Adsorbed on Ion Exchange Resins," J. Am. Pharm. Assoc., Sci. Ed., 46 (Jan. 1957), 44-47.

FIEDLER, WILLIAM C. and G. J. SPERANDIO, "The in vitro Testing of Ointments Containing Medication Adsorbed on Ion Exchange Resins," J. Am. Pharm. Assoc., Sci. Ed., 47-51.

6. COMPLETED RESEARCH PROJECTS

BAKER, GEORGE L.

"Prescription Ingredient Survey." Will soon be published in Drug Standards.

FERGUSON, HUGH C.

"The Effects of Various Intranasal Medications on the Esophageal Mucosa of the Frog and Some Possible Clinical Applications." (With George S. Richardson, M.D.) Will soon be published in Eye, Ear, Nose and Throat Monthly.

7. OUTSIDE-SPONSORED RESEARCH

CASTLE, RAYMOND N.

(a) National Institutes of Health; \$5324; Synthesis of Imidazo-4,5-d-pyridazines as Nucleic Acid Antagonists; February 1, 1957 - January 31, 1958.

(b) Smith, Kline and French Laboratories; \$3500; Synthesis of Compounds Related to Reserpine; October 1, 1955 - September 30, 1957.

- (c) Eli Lilly and Company; \$2500; Synthesis of Lysergic Acid Analogs; June 1, 1957 - May 31, 1958.

These projects through cooperation of the College of Pharmacy and the Department of Chemistry.

8. OTHER PROFESSIONAL ACTIVITIES

CASTLE, RAYMOND N.

- (a) Member New Mexico Basic Science Board.
- (b) Read a paper entitled "Pyridylimidazolines and Pyridyloxazolines" at the national meeting of the American Chemical Society, Miami, Florida, April 10, 1957.

CATALINE, ELMON L.

- (a) Talk, "Education for a Changing Profession," Gallup Kiwanis Club, September 27, 1956.
- (b) Talk, "Dentistry-Pharmacy Interprofessional Relations," Santa Fe District Dental Society, December 10, 1956.
- (c) Talk, "Dust to Dust," 21 Club (UNM), March 18, 1957.

FERGUSON, HUGH C.

- (a) Talk, "Dental Medication," Santa Fe District Dental Society, December 10, 1957.

FIEDLER, WILLIAM C.

- (a) Consulting work with Dr. M. L. Beach, Albuquerque physician.
- (b) Consultant on pharmaceutical problems for New Mexico pharmacists and other departments of the University.

9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

CASTLE, RAYMOND N.

- (a) Treasurer, New Mexico Section of Sigma Xi, 1956-57.
- (b) Secretary, New Mexico Section of Sigma Xi, 1957-58.

- (c) Chairman, Nominating Committee, New Mexico Section of the American Chemical Society, December, 1956.
- (d) Member, Committee on Problems and Plans, American Association of Colleges of Pharmacy, 1956-57.

CATALINE, ELMON L.

- (a) New Mexico Pharmaceutical Association.
 - 1. Chairman, Program Committee, 1957 Convention.
 - 2. Member, Committee on Constitution and By-Laws, 1956-57.
 - 3. Spoke at nearly all District meetins, fall, 1956 and spring, 1957.
- (b) Rocky Mountain Drug Conference.
 - 1. 2nd Vice-Chairman, 1956-57.
- (c) District No. 8, American Association of Colleges of Pharmacy and National Association of Boards of Pharmacy.
 - 1. Participant in panel discussion, "Are Pharmacy Teachers the Weakest Link in Pharmaceutical Education?", October 1956 meeting, Las Vegas, Nevada
 - 2. Member, Nominating Committee, October 1956 meeting, Las Vegas, Nevada.

FERGUSON, HUGH C.

- (a) New Mexico Pharmaceutical Association.
 - 1. Read a paper, "Sifting a Sieveful of Unsifted Medicinals," 1957 convention.
 - 2. Member, Resolutions Committee, 1957 convention.
- (b) American Pharmaceutical Association.
 - 1. Chairman, Section on Education and Legislation, 1956-57.

10. IMPORTANT STUDY AND TRAVEL

None.

11. GIFTS

(a) Chemicals, valued at \$2000, for research purposes; National Cancer Institute.

(b) Contributions to Pharmacy Activities Fund:

1. Davis Brothers Inc., Albuquerque; \$150.
2. Southwestern Drug Corporation, Dallas, Texas; \$300.
3. Wholesale Drugs, Inc., Albuquerque; \$25.

(c) Gifts to the College of Pharmacy Historical Collection.

1. "Practice of Pharmacy," by J. P. Remington, 8th ed., 1936; U.S.V.A. Hospital, Albuquerque.
2. Old Drug Can; C. L. Harding, Chama, New Mexico.

REPORT OF DIVISION OF EXTENSION
SUMMER SESSION AND COMMUNITY SERVICES

July 1, 1956 - June 30, 1957

HAROLD O. RIED, DIRECTOR OF DIVISION

During the academic year 1956-57, the Division of Extension, Summer Session and Community Services saw continued progress in the various functions with which it is charged. The Division's workload has considerably increased as you will note from studying the various sections of this report. The administrative staff, with one exception remains the same. Harold O. Ried is Director and M. H. McMichael is one Assistant Director. Mr. John E. Kitchens, who resigned for a position with Kansas State, was replaced by Mr. Robert G. Lalicker as the second Assistant Director in November of 1956. Dr. Bernarr Cooper replaced Mrs. Terry Scott as Educational Television Programming Director in September of 1956. Dr. Cooper is on a half-time basis with our Division and is half-time in the Speech Department.

In the secretarial field, Mrs. Lois Bruch continues as Correspondence Secretary, and Mrs. Betty Baldwin replaced Miss Leona Prince as Extension Secretary as of September, 1956. Miss Judith Knight is now Secretary of Summer School, beginning work February, 1957, and replacing Mrs. Bess Bullock.

The following faculty members served on the Extension Faculty Committee: Dr. H. O. Ried, W. W. Clements, Dr. H. V. Finston, R. G. Huzarski, J. M. Kuntz, J. C. MacGregor, F. D. Reeve, Dr. W. B. Runge, and N. G. Schoenfeld. Ex-officio: R. G. Lalicker, Dr. M. H. McMichael and J. Perovich.

Faculty members serving on the Summer Session Faculty Committee were: Dr. H. O. Ried, Dr. G. E. Buell, J. G. MacGregor, R. W. Mallary, Dr. A. S. Masley, W. E. Rhoads, Dr. G. W. Smith, and R. W. Tapy.

With this report, the practice of including a section on each major area supervised by the Division is continued.

1. Extension Classes. Regular credit courses are carried on by extension anywhere in the state where sufficient demand warrants their establishment. The following extension classes were held during the reporting period:

Semester I - 1956-57

		<u>Instructor</u>	<u>Enrollment</u>
Los Alamos	Math 2	Burton	51
Los Alamos	Math 16	Walsh	17
Los Alamos	Math 53	Jordan	28
Los Alamos	Astron 61	Cox	13
Los Alamos	Physics 51	Graves	15
Los Alamos	Chem 11	Castle	13
Los Alamos	Chem 13L	Anderson	1
Los Alamos	Chem 14L	Jones	4
Los Alamos	Arch Engr 11L	Norris	19
Los Alamos	Arch Engr 12L	Huzarski	8
Los Alamos	B. A. 5	Lee	12
Holloman AFB	English 1	Clifford	19
Holloman AFB	Math 15	Hill	24
Holloman AFB	Math 16	Hill	29
Holloman AFB	Math 53	Jose	13
Holloman AFB	Math 2	Speaker	26
Holloman AFB	German 1	Jahns	10
Espanola	Education 118	Starr	18
Gallup	English 1	Crow	11
Gallup	History 1	Blatner	11
Gallup	Math 2	Yandell	12
Roswell	Art 152	Gebhard	5
Los Alamos	English 1	Baird	15
Los Alamos	German 1	Shaw	17
Los Alamos	Educ 102-135	Starr	13
Sandia Base	Chem 11	Daub	45
Socorro	Educ 188	Crawford	22

The total enrollment for the 27 Semester I courses offered in Extension was 471. This compares with an enrollment of 293 and 14 classes during the corresponding period in 1955-56. This is an increase of approximately 62% in enrollment.

Semester II - 1956-57

		<u>Instructor</u>	<u>Enrollment</u>
Los Alamos	Math 2	Garr	13
Los Alamos	Math 15	Scheer	27
Los Alamos	Math 50	Burton	22
Los Alamos	Math 54	Jordan	19
Los Alamos	Physics 52	Graves	8
Los Alamos	Chem 12	Castle	7
Los Alamos	Arch Engr 2L	Norris	13
Los Alamos	Russian 1	Shaw	11
Holloman AFB	Math 2	Trauth	46
Holloman AFB	Math 15	Speaker	23
Holloman AFB	Math 16	Hill	16
Holloman AFB	Math 22	Hill	16
Holloman AFB	Math 54	Jose	11
Holloman AFB	English 1	Clifford	17
Holloman AFB	English 2	Clifford	6
Holloman AFB	German 1	Jahns	14
Holloman AFB	German 2	Jahns	4
Espanola	Educ 121	Starr	21
Gallup	B. A. 5	Cummins	46
Gallup	Educ 123	Rauhof	14
Los Alamos	English 2	Baird	9
Los Alamos	Educ 216	Keppers	21
Los Alamos	German 2	Shaw	9
Sandia Base	Chem 12	Daub	30

The total enrollment for the 24 Semester II courses offered in Extension was 423. During the second semester of 1955-56, we only offered 17 classes with an enrollment of 257. This means that we had an enrollment increase of approximately 65% over the same corresponding period.

Over the year the enrollment was 894 as compared in the last annual report. This was an overall enrollment increase of 63%. Obviously, the Division has been successfully working to increase the service of extension classes over the state.

COMPARISON OF EXTENSION CLASS ENROLLMENTS OVER THE LAST FOUR YEARS

<u>Year</u>	<u>Enrollments</u>	<u>Percentage Increase or Decrease over previous year</u>
1953-1954	284	No figures available
1954-1955	419	47% Increase
1955-1956	550	31% Increase
1956-1957	894	63% Increase

During the past year, the Division was provided with \$100 by the University Library Committee to furnish reference materials and books to students enrolled in Extension Classes. This procedure, at least partially, answers the problem of providing equal opportunity of library resources to extension students and has been commended by both instructors and students.

Here is an increasing demand to eliminate the University's distinction between residence and extension work and to place both on a par as is done in other institutions. This step we recommend most heartily. With this in mind, the Directors of Extension in all New Mexico Higher Institutions have now developed some sound principles of policy for the operation of Extension courses.

It must be noted that the workload of the Division has been materially increased with the mounting extension enrollments.

2. 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 increase of activity in the correspondence course area of the Division:

COMPARISON OF CORRESPONDENCE COURSE STATISTICS FOR LAST FOUR YEARS

<u>Year</u>	<u>No. of Courses Offered</u>	<u>E n r o l l m e n t</u>			<u>% of Increase</u>	<u>Total States Represented</u>	<u>Total N. M. Counties Represented</u>	<u>Foreign Countries Represented</u>
		<u>Men</u>	<u>Women</u>	<u>Total</u>				
1953-54	68	127	141	268	(No Figures available)	(No Figures available)		
1954-55	70	149	147	296	10	17	24	0
1955-56	77	227	151	378	28	23	24	2
1956-57	78	269	164	433	$\frac{15}{12}$	27	26	4

The following geographical distribution chart shows correspondence students from 27 states and 4 foreign countries. Twenty-six of New Mexico's 32 counties are represented.

The new courses added this year over last year are:

Mathematics 50c
Mathematics 51c

It is interesting to note that in the period covered by this report, ~~that~~ 483 credit hours were earned in correspondence courses. We also serviced 7165 lessons exclusive of tests and examinations.

Financially, the Division took in fees in the sum of \$12,345.52 and only spent for direct servicing of correspondence courses the sum of \$5,883.62.

With the increase in correspondence course enrollments, it becomes increasingly evident that more and more time of our Correspondence Registrar must be devoted to servicing this activity. As a matter of fact, this is at the present time, a full time job which has eliminated any time for our other activities.

3. Community College.

a. 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 supervised by the Director of this Division. Second, the administration, promotion and supervision of all evening classes are parts of our responsibilities. All classes scheduled after 4:00 p.m. are considered evening classes. The following enrollment figures are reported for the period:

COMPARISON OF STUDENTS REGISTERED IN NON-DEGREE STATUS

FOR PAST THREE YEARS

<u>Year</u>	<u>Semester</u>	<u>Number of Students</u>	<u>Percentage of Increase or Decrease Over Corres- ponding Periods</u>	<u>Total for Year</u>
1954-55	1st	449	No Figures Available	1031
	2nd	582	No Figures Available	
1955-56	1st	552	23% Increase	1029 ✓
	2nd	477	18% Decrease	
1956-57	1st	735	33% Increase	1419
	2nd	684	43% Increase	

By examining the above chart, it is noticed that during the past year, the Non-Degree enrollment increased by 390 students which is a percentage increase of 38% over the previous year.

It should be kept in mind that this Division thus had to prepare personnel folders, in which records of various kinds are kept, on 1419 students. This is necessary in order to keep an up-to-date academic record on each student. Naturally, we are responsible for the probation and suspension of those students who fail to maintain the University's academic standards.

During the past year, 36 Non-Degree students were suspended; 232 students were put on probation; 50 students were continued on probation; and 13 students were released from probation in the Community College.

In addition to the Non-Degree students who are mainly taking evening courses, there are other students from other colleges of the University that take only evening classes. This, of course, adds a considerable number to the evening enrollments. The following chart gives comparative figures for the past several years.

COMPARISON OF EVENING CLASS ENROLLMENTS DURING

PAST FOUR YEARS

<u>Year</u>	<u>Semester</u>	<u>Number of Students</u>	<u>Percentage of Increase or Decrease Over Corres- ponding Periods</u>	<u>Total for Year</u>
1953-54	1st	908	No Figures Available	1702
	2nd	794	No Figures Available	
1954-55	1st	910	.2% Increase	1634
	2nd	724	8.9% Decrease	
1955-56	1st	903	.8% Decrease	1668
	2nd	765	.5% Increase	
1956-57	1st	1152	17% Increase	2285
	2nd	1133	48% Increase	

One basic reason for the large increase in evening enrollments during the past year was the approval of a contract with Sandia Corporation for a student subsidy program. Under this agreement, Sandia Corporation repays part of the student tuition to the student if he makes at least a "C" grade in his course, and also makes a subsidy payment to the University for each student enrolled. This, of course, stimulated Corporation employees to enroll for credit courses.

It is noteworthy that 340 graduate students and 161 undergraduate students from the Sandia Corporation did enroll under the subsidy program in courses in the following departments:

English
Mathematics

Mechanical Engineering
Electrical Engineering

In addition to the students' tuition, the University was paid approximately \$16,200 as a subsidy by Sandia Corporation. This revenue should allow the University to provide the specific evening courses which Corporation employees need to finish degrees. As a matter of fact, with this sort of finance support, the University is certainly under compulsion to give the Sandia Corporation the course service required.

The general trend toward increased enrollments for the University, greater numbers and more variety in classes scheduled for evening hours and an intensive promotion program for the Community College help account for the increased number of evening students. With the expected increase in total University enrollment, we can expect a larger proportion of the student body to attend evening classes. This will necessitate an expanded evening program in the way of numbers and variety of courses offered and in facilities needed to accommodate this increase. The University must realize its community responsibilities and continue to provide the needed evening courses so that expansion will continue in the credit section of the Community College.

b. Non-Credit Courses: Adult non-credit courses are offered for persons, regardless of their educational backgrounds, who are interested in educational growth in vocational or professional fields, or as a means to better enjoyment of leisure time. Enrollment figures for the reporting period are:

<u>Semester Non-Credit Courses</u>	<u>Number of Courses Offered</u>	<u>Total Enrollment</u>
I, 1956-57	47	970
II, 1956-57	<u>46</u>	<u>1435</u>
Total	93	2405

The number of courses offered was somewhat less than the number offered in last reporting period but the total enrollment showed an increase of 9%. This general increase in class size indicates that courses of the greatest interest to the most people were offered. Our efforts to capitalize on popular interests continues. The popularity of technical and business courses continues as indicated by the fact that 43% of

all persons enrolled were in courses in these two areas. Three new courses were offered for the first time. These were "Intermediate Electricity and Electronics", "Foreign Travel", and "Your Child and His Reading."

A two-year program of courses for secretaries was initiated in September, 1956, with the cooperation of the Albuquerque Branch of the National Secretaries Association. Three courses, designed to help secretaries gain in professional knowledge and to prepare them for the examination for Certified Professional Secretaries, were offered during this reporting period. Three different courses will be offered during the next academic year. Long-range programs for life insurance personnel and casualty underwriters were also started during the fall semester. A third program, in cooperation with the American Institute of Banking, for local banking employees, was well-received this year and will continue.

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-educational nature.

Again, it must be stated that this Division had an additional workload because of the increase of 195 students in 1956-57. The trend towards more classes and larger enrollments should continue in the future and additional personnel will be needed to administer the program.

The chart below gives a financial picture of the Non-Credit section of the Community College. It shows that last year we had gross profits of \$8,884.

COMMUNITY EVENING COLLEGE 1956-57

(Non-Credit Section)

<u>Semester</u>	<u>No. of Courses</u>	<u>Enrollment</u>	<u>Income</u>	<u>Instructors Pay</u>	<u>Gross Profit</u>
I	38	970	\$12,213	\$10,339	\$1,874
II	40	1435	\$17,244	\$10,234	\$7,010
Total	78	2405	\$29,457	\$20,573	\$8,884

4. Audio-Visual Center: The Division is continuing in its efforts to develop a first-class Audio-Visual Center exclusively for on-campus use. Accordingly, all available resources are being devoted to this objective. The following A-V equipment was purchased during the reporting period:

- 2 16mm sound mp projectors
- 1 Opaque projector
- 1 3 $\frac{1}{4}$ " X 4" Lantern slide projector
- 1 Lapel microphone
- 1 Stand microphone
- 2 Projection screens
- 1 TDC tape recorder
- 1 Projection stand
- 1 Overhead projector

In addition to the above, three overhead projectors, purchased from funds made available through the Ford Foundation were turned over to the Audio-Visual Center for maintenance, upkeep and scheduling by the College of Business Administration. Twenty new educational films were selected for purchase after careful preview and fifty-five films were rented from various rental agencies.

On-campus service to the various departments, the non-credit programs, conferences and institutes for the reporting period shows a total of 903 hours of use for all audio-visual aids. A total of 596 educational films were shown. Hours of use for all equipment were divided as follows:

Semester I, 1956-57	-	283 hours
Semester II, 1956-57	-	399 hours
Summer Session, 1957	-	<u>221 hours</u>
Total		903 hours

This is an increase of 349 hours (63%) over the last reporting period and indicates a trend toward increased use of audio-visual aids by faculty members. A catalog of equipment, films, and other audio-visual materials is now being prepared and will be ready for distribution to all faculty members by the beginning of the next academic year. It is expected that, by placing this information in the hands of all faculty members, by continuing our purchases of materials and equipment and by continually promoting the use of audio-visual equipment, an even greater expansion of the program will be forthcoming.

5. Harwood Foundation. Turnover in personnel is rare at Harwood, but this year saw the resignation of Mrs. Kelly Rae Hearn as a part-time secretary. Louise Ganthiers was appointed in her place. The rest of the personnel remained as follows:

Toni Tarleton	-	Director
Naomi Brisbin	-	Part-time Librarian
Luciano Sisneros	-	Custodian

The Advisory Board of the Harwood Foundation meet four times during the year in January, April, July and October. Members of the Board were as follows:

Mrs. Charles Barba	- President
Eric Gibberd	- Vice-President
Phil Lovato	- Secretary
Mrs. Phil Kloss	- Chairman, Artists' Committee
Mrs. Jack Brandenburg	
Richard Dicus	

The following report on activities of the Harwood Foundation was made by Mrs. Toni Tarleton, Director:

A. Physical Plant

1. Outside

Roofs repaired. New roof on Apartments 1,2,3, and 4.
 Grass planted in library garden.
 Screens and outside furniture repaired and painted.
 Installed new stairway to Apartment 2.
 Revarnished portal and vigas.

2. Inside

Repainted and decorated Apartments 1,2,4 and 6.
 Repainted half of main gallery and stage.
 Refilled floors in main gallery and library.
 Repainted entrance hall of Harwood House and revarnished.
 Installed two steel windows in upstairs small gallery and new door at back of stage.
 Painted entrance hall and stairway to main library and gallery.

B. Activities

1. Galleries

a. Exhibits

July 1956 - Summer Exhibit for Resident Taos Artists - opened with reception July 1.
 July 1 to July 15 - One man show - Helen Blumenschein opened with reception.
 July 15 to July 30 - One man show - Rebecca James
 August 4 to August 15 - One man show - Louise Ganthiers
 August 19 - Victor Higgins Memorial Show for three weeks in small gallery - opened with reception.
 August 20 - Robert Henri Show
 Sept. 9 to 23 - One man show - Ila McAfee
 Sept. 26 - Hung exhibit of old tin and glass Santos, and exhibit of paintings from permanent collection, to be hung indefinitely.
 Sept. 29 - Opening of San Geronimo Fiesta Exhibit of resident Taos artists - to run indefinitely.
 April 26, 1957 - Hanging of Spring Exhibit of resident Taos artists - opened with reception April 28.

May 1 to May 10 - Taos Municipal Schools art exhibit.
 Dec. 1 through 19 - Annual County-wide Handicraft Sale.
 Sales totalled over \$800 - the highest we have ever had.

b. Gifts

Old tin and glass Santos gift of Elizabeth Compton Hegeman.

2. Library

Hours: 10:00 a.m. to 5:00 p.m., Monday through Saturday.

Employees: Two part-time in Main Library; Toni Tarleton and Naomi Brisbin.

Circulation: Continues to increase over last year
 1956-57. 22,032

Books Given to Library: 1956-57 886

Other Gifts to Library: Cash Donations \$ 161.00
 Money raising projects - Sale of Degen paintings,
 auction, sale of second hand books \$1458.17
 This money was used to buy books for the library.
 Fines and rentals \$ 266.77
 Received from Village of Taos, children's books
 to value of \$ 100.00
 Received from County of Taos, children's books
 to value of \$ 100.00

Books Purchased: 1956-57 - about 400
 Also a new Encyclopedia Britannica, Webster's
 Dictionary and New World Encyclopedia

Magazine Subscriptions: Total 32
 Contributed 7
 Subscribed 25

Exhibit of Children's Books:

Two weeks' exhibit of newly published children's books lent by State Library Extension Service (annual event.) Teachers from public schools brought children by classes to see books during two-week period.

Several new bookshelves were added to the library as space was lacking for new books.

Library has taken over Apartment 7 for library workroom - book mending, storage of magazines, etc.

Standing Library Committee: This Committee is very active and meets frequently. Mrs. Kelly Rae Hearn, Chairman.

Bookmobile service to the County discontinued in May, 1956.

We are very grateful to the Library at the University for sending us all the books we have borrowed through the Interlibrary Loan Department.

Gallery Events:

- July 22 - Lecture by Dr. Trujillo opening Fiesta - reception followed lecture.
 July 22 - Thirty-one Texas State College women visited Harwood. Three members of the art colony spoke to them - Rebecca James, Spud Johnson, and Victor White.
 Every Tuesday and Thursday evening, during the month of July, Dr. Anton lectures.
 August 11 - Philosophical Seminar
 August 12 - Philosophical Seminar
 September 3 - Mr. and Mrs. McNeill showed film "Santos and Saintmakers", also D. H. Lawrence film entitled "Prophet of Taos". About 120 people attended.
 September 9 - Piano recital by Florencia Sanchez.
 September 17 - Meeting of Little Theatre.
 September 30 - Open House from 1:00 p.m. to 5:00 p.m. for Fiesta Exhibit.
 October 29 - Little Theatre Annual Meeting.

Other Uses of HarwoodCommunity Room

- Taos Duplicate Bridge Club meets weekly on Monday nights.
 Christian Science Group meets weekly on Sundays at 11:00 a.m.
 St. John's Evangelical Religious Centre - independent, meets weekly on Sunday mornings at 9:30 a.m.
 Veterans of Foreign Wars meet twice monthly.
 Brownie meetings.
 Fish and Game meetings.
 Girl Scout meetings.
 Home Extension Service meetings and demonstrations.
 Welfare Department Eye Clinic.
 Several bridal showers.
 Lulacs meetings.
 St. Joseph's 5th and 6th grades held a meeting.
 Meeting of County Agents.
 Verde Valley School, Sedona, Arizona, were entertained by Indian Dancers, and talks by Helen Blumenschein and E. J. Bisttram.

During the year 1956-57 the Harwood was visited by people from almost every state in the Union, including many foreign countries. Also many foreign exchange students were conducted through the library and galleries.

C. Finances

(See Library Report, Page 15)

Apartment Rentals \$ 2,110.50

It is interesting to know that during the past year the University collected \$2,110.50 in rent from the various apartments which are part of the Harwood Foundation.

Other Taos Developments

a. Millicent A. Rogers Foundation. The University rented to the Millicent A. Rogers Foundation the old Degen property, which was recently deeded to the University. The property rents for \$1000 a year. It is immediately adjoining the Harwood Foundation and is being used as a museum open to the public. The property has been put in A-1 repair with a new roof, new walls and other general repairs.

b. Sarah Lawrence Property. The Division continued to supervise the Sarah Lawrence Ranch, which is located about twenty miles from Taos. Unfortunately, because of financial limitations, the University is not yet able to utilize its use but it is hoped that some day it can be made into a Conference Center for summer activities.

It should be said that the Buildings and Grounds Department of the University, within severe limitations, has spent both time and money in the maintenance of this property.

6. 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 increasing materially year by year. Requests for available facilities to carry on intensified informational or

instructional activities of short duration are many. The Division of Extension, Summer Session and Community Services receive most of the requests from outside sources to use campus facilities. However, a few requests do not come to this Division but are handled by other departments. Whenever this occurs the Division gets in contact with the college or department promoting the activity to be sure that other programs are not scheduled at the same time.

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.

The number of residence students attending the university both during the day and at night is increasing each semester thus cutting down facilities available for continuing education programs. The steady increase in the number of requests for adult activities has caused this Division to refuse some proposed meetings and limit attendance at others.

In some cases it was necessary to enlist the help of one of the hotels in downtown Albuquerque. 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. Hotels are happy to cooperate if another convention is not scheduled at the same time. During the summer months campus housing, and meeting room facilities are consistently used by continuing education groups.

a. Conferences

During the academic year 1956-57, 51 conferences of two days duration or over, were planned and conducted in cooperation with the University. Outside meeting facilities were necessary in many cases. A list of the conferences follows:

<u>Conference</u>	<u>Enrollment</u>	<u>Dates Held</u>	
Boy Scouts Conference	7	July 5 & 6	1956
Workshop in Mycology	52	July 9 & 10	"
Certified Public Accountants	50	July 10 & 11	"
C. P. E. A. (Santa Fe)	420	July 23-27	"
Unitarian Christian Women	104	August 1-8	"
Coaches Conference	210	August 6-11	"
11th Ground Water School	48	August 6-18	"
American Meteorological Society	139	Sept. 5-7	"
American Assembly on State Government	39	Sept. 6-8	"
American Friends of the Middle East	65	Sept. 8-11	"
Dentists' Seminar (Albuquerque)	42	Sept. 10	"
Dentists' Seminar (Santa Fe)	28	Sept. 11	"
Dentists' Seminar (Roswell)	21	Sept. 12	"
Dentists' Seminar (Las Cruces)	21	Sept. 13	"
Nurses' Exam	52	Oct. 3 & 4	"
Council of Social Welfare	697	Oct. 10-12	"
New Mexico Public Health	204	Oct. 17-19	"
N. M. E. A.	7000	Oct. 24-27	"
United Nations School	55	Nov. 7-Dec. 5	"
Albuquerque Public Health School	27	Nov. 7-9	"
I. A. P. E. S.	57	Nov. 9-10	"
Future Nurses Field Day	150	Nov. 9-10	"
Mental Health Conference	41	Nov. 13-15	"
American Cancer Society	73	Nov. 12	"
U. S. Chamber of Commerce Conference	126	Nov. 15	"
Science Seminar	80	Dec. 7 & 8	"
Albuquerque Medical Soc. Meeting	55	Dec. 14	"
State Health Dept. School	110	Jan. 14-18	1957
American Society of Metals	301	Jan. 28 & 29	"
Diagnosis & Control of Rabies	26	Feb. 4-6	"
Education of Handicapped Children	25	Feb. 15 & 16	"
Four State Foods & Nutrition Conference	27	Feb. 21-23	"
Den Mothers Training Course	58	Mar. 11-14	"
S.W. Regional Conference on D. Education	48	Mar. 14 & 15	"
Albuquerque Credit Bureau	170	Mar. 18-21	"
N.M. State High School Speech Festival	212	Mar. 29 & 30	"
Supervising Teachers Conference	103	Mar. 30	"
U. S. Army Engineers	31	Apr. 2 & 3	"
Plastic Design of Structural Steel	197	Apr. 12	"
Federated Music Clubs	56	Apr. 18-20	"
Secondary Principals Conference	68	Apr. 26 & 27	"

<u>Conferences (cont'd)</u>	<u>Enrollment</u>	<u>Dates Held</u>	
International Foreign Students Exchange	327	Apr. 28-May 2	1957
State Legal Institute	210	May 3 & 4	"
Philosophical Society	31	May 4 & 5	"
N.M. Assn. of Indian Affairs	101	May 10 & 11	"
C. P. A. Exam	36	May 15 & 17	"
World Book Sales Training Class	20	June 3 - 7	"
N. M. Classroom Teachers Assn.	138	June 13 & 14	"
Girls' State	240	June 9 - 16	"
Rainbow Girls	690	June 20 - 22	"
Golf Tournament (J.C.)	55	June 20 - 22	"

The chart above shows 51 conferences of ~~over~~ ^{or more} two days duration involving 13,143 people.

As may be expected, working with committees for the 51 conferences is no small job. Some of the conferences required only a small amount of time while others required, 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. It should be said here that this activity is becoming a full time job and as we increase the number of conferences, and short courses, it will become more so. Actual conference expenses are paid for by the organization concerned.

b. Institutes and Short Courses

During the academic year of 1956-57, sixteen institutes and short courses were planned in cooperation with university personnel and conducted on the campus. A list of such activities follows:

<u>Dates Held</u>	<u>Short Courses</u>	<u>Enrollments</u>
Semester I & II 1956-57	Life Insurance Class	27-28
Semester I & II	Life Insurance Class	25-26
Semester I & II	Chartered Life Underwriters	28
Semester I & II	Building Supervisors Course	30-35
Semester I 1956-57	Reading Course	20
Semester I	Reading Course	18
Apr. 8 - 11 1957	Oil Institute	38

<u>Dates Held</u>	<u>Short Courses</u>	<u>Enrollments</u>
Semester II 1956-57	Anatomy for Lawyers	21
Apr. 17 - 25 1957	Elem. Surveying Course	20
Dec. 19-29 1956	Elem. Surveying Course	20
Jan. 22-Feb. 2 1957	Soils Testing Course	20
Apr. 23-May 30 1957	Middle Management Institute	22
July 16 - 18 1956	L. P. Gas Service School	33

The chart above shows sixteen institutes involving 411 people.

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 businesses. Many favorable comments were received concerning these specialized activities.

A charge is made to members attending an institute or short course.

The following is a summary of assets and expenditures of this activity of the Division for the academic year:

Money taken in	\$11,126.97
Money paid out	<u>8,149.03</u>
Profit to University	\$ 2,977.03

c. Special Meetings

In addition to the items listed above, many civic organizations and clubs ask for meeting places for various times of the day or early evening. Facilities were made available for 147 different requests for meetings. This involved approximately 8000 people.

d. Summary

This activity of the Division involved a total of 21,554 persons which surely demonstrates a demand for such services and a consciousness of meeting that demand. We, of course, are limited by campus facilities and must look to the day when the Division can have its own continuing education building.

7. Educational Television and Radio Programming. For the fourth year the University was engaged in television and radio programming over existing commercial stations. During the past year considerable progress was made in developing worthy educational television programs and the following report of our activities will demonstrate the increasing interest in this particular activity.

Telecasts

During the academic year, 1956-1957, the University of New Mexico established a precedent for "all-live" television programs presented over the facilities of commercial television stations KOB, KGGM, and KOAT in Albuquerque.

Some twenty-seven "live", one-hour telecasts were presented. New techniques and new materials were tried in a manner to be described below. Included in the new techniques were the following:

1. The technique of employing specially conceived visuals to present music. This technique involved the use of bringing camera mobility to static picturization by the use of two cameras.
2. Exploring the use of outstanding works of literature never before attempted in the field of television such as, Beowulf, Works of Chaucer, and Works of Edmund Spenser.

3. Presenting educational rote-content subjects in a purely informational manner, such as, Radiation Biology, known under the telecast title of "Radiation -- You, Me and the Atom," and Architecture, known under the title of "Design for Living".

4. Subjects of general and specific informational content were presented through a series of roundtable discussions and involved both authoritative faculty members and state and community leaders in the areas of government, public health and welfare, history and law, community planning, educational needs, surveying and measurement, and industry.

5. Telecasts included integrating and creating interest in the medium with the following departments and colleges:

College of Fine Arts
 College of Arts and Sciences
 College of Education
 Departments of History, English, Government,
 Journalism, Architecture, Economics and Drama

Integration of Academic Course Work and
 Television Presentations over Commercial Stations

Two courses in television and radio were offered during the academic year, one each semester. These were Speech 51, Introduction to Radio and Television and Speech 90, Production Procedures. In both courses students found that the academic work was so structured as to lead normally and naturally to in-studio rehearsal and on-the-air telecast situations. The students were introduced to the studio procedures of microphone, visuals, floor manager and lighting techniques and skills-execution in all of these areas, in addition to acquiring some background knowledge of the media and their history.

In the academic course offerings, a growing awareness of the requirements of the media and their potential were indicated in the subject areas chosen by the students for research papers required. These papers often stressed the community need for an educational station operation and the place which educational television could take in fulfilling the educational and cultural needs of the community.

Some eight to ten radio stations in the state were serviced with weekly recorded tapes of alumni news and sports commentary offerings. Additionally, the Department of Speech and the Division of Extension arranged for the airing of two fifteen-minute interviews with visiting lecturers. Two radio interviews and one live-telecast interview were arranged for the Swedish Ambassador at the time of his visit to the University of New Mexico.

More than fifty contestants from high schools of the state and the University of New Mexico were handled in three separate contests for news announcing.

8. The 1957 Summer Session. The 1957 Summer Session closed with a total enrollment of 1962 students. The total figure of 1962 is an increase of 23% over the 1956 Summer Session enrollment. Enrollment figures of the 1957 undergraduate program were 18% above the 1956 undergraduate enrollment, and the 1957 graduate students showed an increase of 35% over the 1956 graduate enrollment. A breakdown of the 1962 total enrollment figure shows 1726 students registered in the regular eight weeks session and 236 students registered in the workshops, which were held at different times than the regular session.

A further breakdown for the regular session is shown in the following chart:

Comparison of 1957 Summer Session

Enrollments by Colleges

	<u>Men</u>	<u>Women</u>	<u>Total</u>
University College	39	19	58
Arts and Sciences	145	60	205
Business Administration	91	5	96
Education	86	107	193
Engineering	143	1	144
Fine Arts	25	35	60
General	65	9	74
Pharmacy	14	2	16
Nursing	0	9	9
Graduate	348	201	549
Law	1	0	1
Non-Degree	<u>142</u>	<u>179</u>	<u>321</u>
Totals	1099	627	1726

Enrollment figures for the workshops which were not included in the regular session are shown on the following chart:

	<u>Length of Workshop</u>	<u>Total Enrollment</u>
Music Education for Elementary Teachers	2 weeks	120
Seminar in Instructional Leadership	1 week	29
Seminar in Budgeting in School Systems	1 week	22
Puppetry and Creative Dramatics	2 weeks	33
Primary Teachers of Indian Children	2 weeks	15
Marching Band Techniques	1 week	<u>17</u>
Total		236

The geographical summary for the regular 1957 session is shown in the following chart:

	<u>Men</u>	<u>Women</u>	<u>Total</u>
New Mexico	923	533	1456
Other	166	91	257
Foreign	<u>10</u>	<u>3</u>	<u>13</u>
Totals	1099	627	1726

One noteworthy 1957 departure involved the radical change in the format of the Summer Session Bulletin. For the first time, in at least many years, the Division employed an attractive scenic picture for the front cover of the Bulletin. In addition, there were several attractive pictures used within the Bulletin itself. It should also be said that the entire make-up of the Bulletin was rather radically changed in order to make it more attractive to prospective students. The best available paper was also used in printing the Bulletin. The Division received many compliments from both faculty and students concerning the new format of the 1957 Bulletin.

It should also be mentioned that for the first time the Summer School was able to use an air-conditioned dormitory for women students. Hokona Hall was opened in September, 1956, and therefore was available for summer use. When there is an air-conditioned men's dormitory available, it will be an additional aid to increasing Summer Session enrollments but we do also need adequate air-conditioning in our classrooms, library and administration buildings.

1) Staff. In addition to sixty-six faculty members, efforts were made during 1957 to secure distinguished scholars and teachers to serve as visiting professors in those areas where staff was needed or it seemed desirable to develop special programs or workshops. The following were members of the Guest Faculty for the 1957 Summer Session:

James Worth Banner, Ph.D., University of North Carolina. Visiting Professor of Modern and Classical Languages. Now Chairman of Department of Modern Languages, College of William and Mary, Williamsburg, Virginia.

Marjorie Batchelder, Ph.D., Ohio State University. Visiting Co-Director of Puppetry and Creative Dramatics Workshop.

Stanley William Caplan, Ed. D., University of California at Berkeley. Visiting Professor of Education. Now Assistant Director of Guidance Services of Albuquerque Public Schools, New Mexico.

William B. Castetter, Ph.D., University of Pennsylvania. Visiting Director of Seminar in School Administration. Now Professor and Associate Director of Bureau of Educational Services, University of Pennsylvania.

Virginia Lee Comer, M.F.A., Yale University. Visiting Co-Director of Puppetry and Creative Dramatics Workshop.

Donald F. Drummond, Ph.D., University of Michigan. Visiting Professor of History. Now Assistant Professor of History, University of Michigan.

Fay Templeton Frisch, B. A., Hastings College, New York. Visiting Director of Piano Workshop. Now Supervisor of Piano, New Rochelle Public Schools, New York.

John C. Gerber, Ph.D., University of Chicago. Visiting Professor of English. Now Professor of English, University of Iowa.

Burton Henry, Ph.D., University of Southern California. Visiting Professor of Intercultural Relations Workshop. Now Associate Professor of Education, Los Angeles State College, California.

Dorothy Koehring, Ph.D., Yale University. Visiting Professor of Education. Now Professor in the Department of Teaching, Iowa State Teachers College, Cedar Falls, Iowa.

Victor Augustus Lowe, Ph.D., Harvard University. Visiting Professor of Philosophy. Now Associate Professor of Philosophy, Johns Hopkins University, Baltimore, Maryland.

Bernard Lyman, Ph.D., Cornell University. Visiting Professor of Psychology. Now Assistant Professor of Psychology, Hobart College, Geneva, New York.

Philip A. Macklin, Ph.D., Columbia University. Visiting Professor of Physics. Now Assistant Professor, Miami University, Oxford, Ohio.

David Mellor, A.R.C.A., Royal Academy of Great Britain. Visiting Professor of Art. Now a member of the staff of Sheffield College of Art in the School of Industrial Design, Great Britain.

Curtis E. Nash, Ed. D., Harvard University. Visiting Professor of Education. Now Professor of Education and Head of Department of Psychology and Education, Central Michigan College, Mt. Pleasant, Michigan.

Einar A. Olsen, Ed.D., Boston University, Visiting Professor of Physical Education. Now Associate Professor of Health and Physical Education, Texas Western College, El Paso, Texas.

Phyllis Philip, M.A., University of Michigan, Visiting Professor of Physical Education. Now Junior Supervisor, University of California, Berkeley, California.

Lilla Belle Pitts, Mus. D., Elon College, North Carolina. Visiting Professor of Music Education Workshop. Now Professor Emeritus of Music Education, Teachers College, Columbia University, New York City.

Gus F. Profit, Ed.D., University of Denver. Visiting Professor of Elementary Education. Now Co-ordinator of Instruction, Denver Public Schools.

N. Gilbert Riddle, Ph.D., Columbia University. Visiting Professor of Business Administration. Now Professor of Business Administration, Ohio State University.

Floyd L. Taylor, Ph.D., University of Nebraska. Visiting Professor of Mathematics. Now Professor of Mathematics, Southern Oregon College of Education, Ashland, Oregon.

Rodney Tillman, Ed.D., Columbia University. Visiting Director of Seminar in School Administration. Now Executive Secretary of A. S. C. D., Washington, D. C.

Miles V. Zintz, Ph.D., University of Iowa. Visiting Professor of Education. Now Associate Professor of Education, Iowa State Teachers College, Cedar Falls, Iowa.

2) Special Events. Our varied program of special events was carried on again during the 1957 Summer Session. The following are considered worthy of note:

(a) Lectures Under the Stars:

June 24	Erna Fergusson	"Life is People"
July 1	Robert G. Athearn	"The American Desert Song"
July 8	Rudy Bretz	"Australia-A Look Down Under"
July 15	William A. Scott	"Ten Years of Public Opinion Surveys"
July 22	John C. Gerber	"Melancholy Story of American Humor"
July 29	Burges Johnson	"Wild and Tamer Poets"

(b) Archaeological Field School. There were three archaeological parties in the field this summer; the first at Pottery Mound, second at Lucy, and the third at Gallina. These were all supervised by Dr. Frank Hibben.

(c) Art for Children: The Department of Art Education again sponsored the popular Art for Children. There were two classes; one for children of ages 7 and 8, and another for children of ages 9, 10, and 11. These classes were attended by 20 children each or a total of 40 in the two classes. Mrs. Carol Alalouf was in charge, under the direction of Dr. Alexander S. Masley.

(d) Student Dances: There were two dances held in the Student Union Building for the Summer Session students.

(e) High School Music Clinic: The Seventh Annual Clinic, sponsored by the Department of Music, and under the general direction of Professor William Rhoads, was held from July 11 through July 20. There were 252 students enrolled in the three areas of the Clinic. Professor William Rhoads of our faculty was in charge of the band, Dr. Jack Stephenson of

our faculty was in charge of the orchestra, and Mr. Angelo Turano, choral director in the Farmington Public Schools, was in charge of the chorus.

(f) The Evening Square Dances. Under the supervision of the Women's Physical Education Department, this recreational feature was again directed by Mrs. Virginia Sacks. Six weekly programs were given with a total attendance of approximately 700-800 people. The largest number of "squares" any one night was fifteen.

(g) Swimming for Children: Five classes of children, with a total enrollment of 76, were taught swimming under the supervision of Mrs. Virginia Sacks. This was a feature of the Women's Physical Education Department, and enrollment was limited to children of students and University employees.

(h) High School Speech Institute: The Seventh Annual High School Speech Institute was held from June 24 through July 12. Eighteen high school students were enrolled. The Institute was under the direction of Dr. Cullen B. Owens of the Department of Speech.

(i) The Film Society: During the summer, eight films were shown by the Film Society of the University of New Mexico in room 101 of Mitchell Hall. These films were presented every Saturday evening. The Film Society is a non-profit organization which derives its sole income from membership fees and admissions sold at the door during each show.

(j) Pre-College Program for High School Graduates: This program for the second year offered two non-credit refresher courses for high school graduates who were in need of additional help. "Fundamentals of Algebra" met five days a week from June 24 through August 2. Mr. George Hudson, teacher of Mathematics at Valley High School was the instructor. Fourteen

students enrolled for the course. "Fundamentals in English" met during the same period, under the direction of Mrs. Ann Howard, teacher of English at Valley High School. Eight students enrolled for the course.

(k) New Mexico Bookmen Exhibit: The annual exhibit of the latest books and teaching materials was presented July 17, 18, and 19 in Mitchell Hall, under the direction of Mr. Phil Flanagan, President of the New Mexico Bookmen's Association. On the 22, 23 and 24 of July, Mr. Joseph Degelmann presented teaching aids from the Gel-Sten Company of California. Attendants were on hand at the exhibit all day to answer questions, demonstrate teaching materials, and distribute free materials.

(l) During the Summer Session of 1957, the University of New Mexico offered for the second year a Science Institute for high school science teachers, which emphasized Radiation Biology. This institute was financially sponsored by the National Science Foundation and the Atomic Energy Commission. It enrolled 21 high school science teachers from eleven states. The University of New Mexico was one of six institutions in the country offering this kind of science institute. The 21 secondary teachers of science received financial stipends while attending the science institute. It was under the direction of Dr. Martin Fleck and also taught the Radiation Biology class. Dr. Philip A. Macklin, a visiting professor, was in charge of the other two physics courses offered as a part of the institute.

(m) Recreational Swimming Pool: Again the Summer Session supervised recreational hours in the university swimming pool. George Petrol was in charge of the pool and he estimated that there was a 10% increase in the use of the pool. It, of course, will be an asset to the Summer School when the new in-door swimming pool is available for use.

(n) For the first time, the 1957 Summer Session offered a workshop called "An In-Class Utilization of the Television Program." The workshop was under the direction of Dr. Bernarr Cooper, Director of University Educational Television. The workshop enrolled a record number of students. The workshop was augmented by four visiting consultant lecturers in specialized areas of Educational Television, who were paid through a special grant-in-aid by the National Association of Educational Broadcasters. This grant was in the sum of \$3,000.00.

(o) A workshop in Music Education was offered under the direction of Dr. Lilla Belle Pitts, who was assisted by Dr. John M. Batcheller. The workshop ran for two weeks and enrolled approximately 125 students. We believe this to be a record number of enrollees for any workshop offered during past Summer Sessions.

3. Other Recreational Features of the Summer Session: In an attempt to further student recreation activities, the following events were organized and sponsored by the Summer Session Office:

(a) Lectures: In addition to the regular "Lectures Under the Stars" series, the following lecture was offered for the public:

Frank and Helen Schreider, who make their home in California, offered "We Made the Impossible Tour". They told of their adventurous trip by jeep from Alaska to the southern tip of South America. This lecture was held in the patio of the Administration Building and was attended by about 1200 people.

(b) Entertainment Features: A highlight of the entertainment for the summer was the appearance of the "Sweet Adelins", a women's barbershop harmony group. Three weeks later we were highly entertained by the Albuquerque Male Barbershop Chorus and the International Champion Barbershop quartet,

"The Lads of Enchantment." These two concerts were attended by approximately two thousand people.

9. Miscellaneous: The second annual United Fund Drive for University faculty and staff members was completed during the reporting period. It was the feeling of the United Fund Committee that this year's drive was a great success since the total amount collected was \$6,003.00, which exceeded both the quota of \$6,000.00 assigned us this year and the total amount collected during the drive last year. Twenty-seven separate agencies were sent checks from the money collected and a small amount was retained for charity needs of campus personnel. The reception of the one-drive-a-year idea by members of the staff and faculty was very good.

This Division also continued its association with the local Air Force Reserve Forces by providing facilities and arranging for instructors for two classes for Air Force Reserve Officers of this area. Lt. Col. George H. Schafer was the instructor for the Administrative Officers' Course, Increment III, and Mr. B. J. Drake was the instructor for the Flight Officers' Course, Increment III.

During the New Mexico Education Association State Convention, the University maintained a "Hospitality Room" in the Hilton Hotel. Faculty and staff members were present at all times to extend a cordial welcome and provide information about the University to the many teachers who visited us during that time. Many meeting places and facilities were provided the N.M.E.A. for the various section meetings and functions held on the campus during the convention. Plans are in progress to host the entire convention in October of 1957 on the University campus.

SIGNIFICANT PLANS AND RECOMMENDATIONS FOR 1957-58

Again this year we are sub-dividing this section into areas of responsibility since certain specific recommendations will apply only to particular sections. However, before we do this, we might devote some attention to general plans and recommendations involving the whole Division of Extension, Summer Session and Community Services.

During the past four years under the present Division's administration and after the Division was reorganized to include several more areas of responsibility, we have been in the process of rebuilding. In all of our efforts, we have kept in mind that the resources of the university should be available to all citizens of all ages in this community as well as the state. By examining the preceding section of this report, we hope you will agree that we have made an attempt to meet the opportunity to achieve fuller lives and broadened minds in New Mexico citizens. During the next year, the fundamental question facing us is "What will be the immediate and future objectives of our Division?" It might be said that during the past three years we have not refused any additional responsibilities nor have we declined to accept any possible request for services. There naturally must be an end to this kind of philosophy unless we can increase our man-power to take care of increased work-loads. Therefore, I think the paramount need of our Division in order to do an improved job and continue to accept increased work-load responsibilities is to add additional personnel to the Division. Specifically, we need at this time:

1. At the minimum, one more Assistant Director to assume part of our responsibilities and one more secretary to help in assuming some of our present work-load pressures.

2. We are going to be forced to request larger budgets for individual areas in order to service the increased numbers of requests for educational benefits.

Extension Classes: Much has been said about the vast influx of high school graduates into our colleges. Only the future can tell whether the institutions of higher education in the state can adequately house, board and educate these increased numbers of high school graduates. In all likelihood the increased campus enrollments will have the effect of increasing the demand for extension classes throughout the state. As a matter of fact, the University of New Mexico, through coming television facilities, will attempt to take over a part of this educational responsibility by providing lower division classes through the state on a residence basis. This plan will be more adequately covered in the section titled "Educational Television".

Naturally, as we increase the number of our extension classes through the state, and here it should be repeated that our enrollments increased 63% last year, we will need to increase the budget having to do with the establishment of extension classes. We will also need to increase the number of man-hours employed in administering these classes which will cause us to make increased requests for more personnel in our Division.

We repeat our recommendation in the last report that extension classes taught by qualified personnel be considered residence classes in the same manner as classes offered on campus. This is a growing trend through the country and one step toward this at the University of New Mexico is giving residence credit for the television courses next year. It should also be said that Dr. John Suttle, Director of the

University Graduate Program at Los Alamos, has sent a memorandum to the university administration in which he recommended the giving of residence credit to present extension classes being offered at the Los Alamos Graduate Center. Of course, for a number of years, we have given residence credit in the graduate program at both Los Alamos and Holloman Air Force Base. In our opinion, there is little logic in making the distinction now being made in lower and upper division work, particularly in the two off-campus centers.

In addition to the above, the University of New Mexico is entering into an agreement in 1957 - 1958 with the Gallup, New Mexico Board of Education whereby lower division courses given there will be considered residence credit even though they are not taught through television facilities.

As an added step, the Directors of Extension in all New Mexico higher institutions have recently developed a set of principles as policy for the administering of extension classes. This was done to raise the standards of present extension classes so that they might assume residence status. In other words, the Directors were interested in dispelling the old idea which some hold that extension classes are of poorer quality than classes held on the college campus. This set of principles was then submitted for consideration to the Presidents of Higher Institutions. The Presidents, meeting in August, 1957, considered each of the principles and accepted those which are listed below:

1. It should be the policy of the State to provide classes on undergraduate and graduate levels in any subject area where there is sufficient interest and adequate facilities

for a quality program.

2. Instructors who are not members of the regular faculty will be appointed for the teaching of extension classes only after they have been approved by the head of the subject matter department and other administration officers and committees of the college, according to the normal procedure for appointing regular faculty members.

3. The same policies concerning class attendance, number and length of class meetings, and examinations which are used for campus classes should be applied to extension classes.

4. It is desirable to have extension teaching included in the normal teaching load of regular faculty members. No teacher should be paid extra for teaching more than one extension course in addition to his regular teaching load.

5. Full-time employed persons who take off-campus courses should not take more than two courses (seven hours) in any one session.

6. No correspondence credit should be accepted toward a graduate degree.

7. Extension work should be submitted in the same manner as other areas of educational service in higher institutions.

8. All credits should be indicated on the college transcript with a notation as to where the credit was earned. The

transcript should also indicate whether the credit is considered resident or extension by the institution.

9. The practice of using qualified instructors from any of the institutions for off-campus classes should be encouraged.

This means that if an institution is asked to organize a certain class, it could use as an instructor a member of its staff or a qualified faculty member from another institution, if available. It is further recommended that we work toward arrangements whereby students may elect, at the time of registration, to have their off-campus credit apply directly to the institution of their choice, rather than exclusively to the sponsoring institution. If certain students in such courses wish credit recorded at an institution other than the one in charge of the course, such institution should approve the instructor before the class is begun.

With all of the above developments, it is our contention that the Division of Extension, Summer Session and Community Services should be entrusted with all of the responsibilities of extending the educational advantages of the University of New Mexico through the state of New Mexico.

Correspondence Courses: During the past year, in line with our last year's plans, we issued a new Correspondence Bulletin which will probably last us for a period of two years. Of course, one of the problems is to keep an up-to-date bulletin because of constant department changes in course numbers and titles, and the necessary revisions of both course

content and textbooks. Before publication we made an effort to get departments to provide us with some new courses as well as revise some of the old courses. We were not too successful with this but we will continue to make attempts to bring all courses up to date with campus course developments.

If we were able to provide greater variety of courses we, of course, could increase our enrollments still more, even over the ~~22%~~ enrollment increase which we achieved in 1956 - 1957. We certainly expect the trend of enrollment increases to continue in the future. This will of course, require more time from our Correspondence Registrar, and I can only say that it is practically a full-time job at this time. The activity requires a great deal of time with details. In general we have received wonderful cooperation from the faculty as far as correcting lessons is concerned. We have been able to show a larger percentage of course completions than in former years.

It is our hope that in the future we may schedule discussion meetings of correspondence grading instructors which will iron out some of the minor difficulties.

Audio-Visual Center: From the first section of this annual report concerning our Audio-Visual Center, we recognize as a fact that tremendous progress has been made in establishing a campus Audio-Visual Center even though we have been handicapped in buying materials by a lack of budget. If we could get a large budget increase it would be then possible to satisfy the various requests from colleges and departments for audio-visual materials more adequately than we are

able to do at the present time. We do feel that we have made a definite beginning in getting the various departments to recognize this Division as the Audio-Visual Center for the campus.

During the past year we have concentrated most of our efforts in buying necessary equipment. One plan of the future is the installation of developing equipment for film. This developer has already been acquired by the University, and all that remains is to secure enough money and space to get it properly installed. In the beginning it will be mainly used by the Athletic Department for developing films of athletic contests. Contemplated plans would have it installed in a room in the Modern Languages Building.

The Division is now mimeographing an up-to-date film and equipment catalog. This is the first time that we will have an up-to-date publication which colleges and departments can utilize for planning purposes.

By looking over the increased activity of the Audio-Visual Center one can visualize that in the future we will need a full-time man to take care of all the many administrative details concerned with this Center. At the present time we are attempting to man the center with student help which is many times unreliable and changeable. We will, of course, continue to administrate the program with the Division manpower we have available, but we cannot continue to do this indefinitely and still carry on our many other activities.

Harwood Foundation: The plans for next year for the Harwood Foundation will be to continue with our same personnel and philosophy of operation. We believe the Foundation to be under good administration and its operation is functioning smoothly. We, therefore, do not contemplate requesting any increased budget for this activity.

It is possible that next summer we will want to consider the establishment of some kind of a summer field school but this has not been definitely decided. It is also true that we may want to begin some rather definite plans for the development of the Sarah Lawrence ranch, but this again will depend on available funds.

The University Building and Grounds Department has assured me that it will begin work on replacing the large roof on the Harwood Foundation Building. This may be done in stages, but it is something that we have needed for a long time, since the roof is unreliable in its efforts to keep out rain and snow. We hope to do something about improvement of the road which runs in front of the Harwood Foundation. It is constantly in bad shape and it should be paved as soon as possible.

It is our hope that one of these years we can demolish the two condemned apartments which now set separate from the main building of the Harwood Foundation. This would provide a much more adequate parking lot and in general improve the looks of the main building.

It is the plan of the University to continue the renting of the Degen property, adjacent to the Harwood Foundation, to the Millicent A. Rogers Foundation.

Conferences, Institutes and Short Courses: There was an increase of 16% in the number of conferences, institutes, and short courses for 1956-57 over the number handled by this Division during the last fiscal year. This increase occurred even though many meetings had to be scheduled at times when college was not in session or during vacation periods.

The increase in resident student enrollment and increased use of classroom facilities during both the day and early evening will tend to check increased use of such facilities for off-campus organizations. It is the intention of this Division to continue during the present fiscal year to use available facilities on week-ends and during vacation periods for as many continuing 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.

It is hoped that the present Student Union Building may be converted into a continuation center when the new Student Union is built. This would serve as a permanent place for adult education activities and large meetings could be scheduled two or three years in advance. At present large conferences of from 600 to 1000 people have to be discouraged and conferences of from 400 to 500 people have to be scheduled in vacation periods. A wider variety of conferences held on the campus brings new people in contact with University facilities and offerings who will in turn help build better public relations for the University.

The increase of 16% in the number of conferences, institutes, and short courses over the last fiscal year has made it necessary to use one man practically full time as coordinator of all continuation education,

The scheduling of events for the large arena of the new Johnson Gymnasium has been assigned to the Division of Extension, Summer Session, and Community Services. Meetings have already been held with staff and faculty members involved in the building's use, including the Superintendent of Buildings and Grounds, to establish policy and a scale of prices for the gymnasium when occupied by students and outside organizations.

As was mentioned on page 18, it is the policy of the Division to form a planning committee, for an adult education activity, composed of three members of the off-campus group, a member from each department at the University involved in the activity, and one member from the Division who acts as coordinator of the program. In addition it has been considered essential to include one member designated by the Superintendent of Building and Grounds to work with the planning committee.

The Division of Extension, Summer Session, and Community Services suggest, 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 contact this 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 by the Division may expediate matters and tend for better public, staff, and faculty relations.

A national conference for the DCES (wives of the Elks) is being planned for June, 1958. Two regional conferences are also being planned.

The first is a geology conference planned for the first week of October. The second is the Rocky Mountain Modern Language Conference planned for the second week in October. An accounting conference is being planned for the 5th and 6th of December, and a Dental Seminar is being planned for the 3rd and 4th of February.

A brief summary of conferences, institutes, and short courses already planned for this fiscal year is as follows:

National Rodeo Association	July
Regional Boy Scout Executives	August
Housing of Shriners	August
CPA Review	Sept., Oct., and Nov.
League of Women Voters	September
Dental Conference	September
Nurses' Exam	October
Geology Conference	October
Rocky Mountain Conference	October
Accounting Conference	December
Wool Clothing Conference	December
Dental Seminar	February
Alumni Conference	March
International Order of DOES Conference	June

Additional activities will arise as preliminary steps are being initiated for many more events.

Educational Television: The following plans have been formulated in whole or in part through the Director of University Television and Radio, acting

also as Assistant Professor of Speech in charge of academic offerings in radio and television.

1. A grant for offering four freshman level courses over a three-year period beginning in 1957-1958 has been received by the University of New Mexico from the Fund for the Advancement of Education. In cooperation with the Dean of the College of Arts and Sciences, the following professors were selected to offer these courses via television:

Professor Buchanan - English

Professor Lewis - Mathematics

Professor Fleck - Biology

Professor Hibben - Anthropology

a. Planning of the in-studio preparation of these courses has begun with the supervisory aid of the Director of University TV and Radio.

b. A workshop to prepare monitor-teachers who will work with the above indicated University professors in the course offering areas delineated, has been planned for August 5 through 9, 1957, under the supervision of the Division of Extension.

c. An evaluationist has been selected and the above indicated supervisor has begun preliminary planning of the evaluation process and criteria to be used during this three-year experiment in teaching and learning.

2. A building program to embrace facilities and studio space for an open circuit and/or closed circuit operation in television was conceived during the current year 1956-1957.

a. A temporary site for emanating "live" studio presentations in a separate studio building.

b. Preliminary plans have been discussed with a designated architect on what is hoped will be the permanent site of a new TW-Radio building. These plans required the Department of Speech and the Division of Extension to present a rough sketch of an entire floor plan and a professional architectural elevation and ground plan of a lobby.

3. The basic plans necessary to operate an educational television station have begun this year. An application to the Federal Communications Commission requesting the allocation of channel 5, reserved in the Albuquerque area for educational telecasting has been in preparation since December 1956.

a. Preliminary negotiations have begun for the sharing of Sandia Crest facilities to make possible the emanation of an open circuit signal.

b. Preliminary investigation of available studio and transmitter equipment has been carried on during the current year in anticipation of open circuit telecasting by the University of New Mexico and other education-interested groups of the Albuquerque area.

1). Proposals have been suggested by three reputable equipment manufacturers for both studio and transmitter site equipment.

2). The Director of the University Television and Radio has solicited and received one camera chain for classroom use and studio-condition-test.

FUTURE PLANS

Future transmission plans for radio and television programming work at the University of New Mexico may be suggested as follows:

1. In the near future, finalizing of the FCC application, purchasing necessary transmitter site and studio equipment, hiring an adequate staff to enamate such telecasts (a process already begun) by contacting the proper agencies and persons and inspecting curriculum vitae, making proper budget plans for operating and material expenses for a two and one-quarter to three and one-quarter hour "live" telecast schedule, five days a week. (This latter has already been done),

2. Continuation of plans for the teaching of four freshman courses via television, viz:

- a. Continuing to work with the four telecourse teachers in the preparation of their on-camera teaching,

- b. Preparation of the organization, guidance and printing of the necessary study guides, one each, for each of the freshman level courses to be taught,

- c. Organizing, formatting and preparing for printing the teacher's manuals, one each for each of the subject areas to be taught as telecourses,

- d. Rendering continuous guidance, suggestions, cooperation and planning aid to the four teachers, as dictated by the requirements of the medium of educational television.

3. Future, plans, to be executed over a two year period, will include increasing the "live" and "kinescope" television offerings to six hours per day, five days per week, with increased offerings in university, adult continuation and state-wide curriculum integrated telecasts emanating from and under the supervision of the University of New Mexico.

a. The above plan will require coordinated and desirable additions to both staff and facilities at minimal increases in operation budget.

4. Within five years, after the commencement of open-circuit educational telecasting, it should be possible for the University of New Mexico, in cooperation with the proper state educational and/or other educational agencies to propose and to direct and administer the operation of a three-station, state-wide network of educational television stations. Sufficient reserved VHF channels exist in the State of New Mexico for this purpose, and having had the experience of operating one station, the addition of two others should become simply a matter of integrated operational policy and programming policy under the direction of the University.

5. Within one year after the erection of a new building for educational television and radio emanations, the University of New Mexico should be able to commence radio broadcasting of at least one hour per day, five days per week, to be expanded within one year's time to three hours per day, five days per week. The origination of such broadcasts will give added importance to all radio work at the academic

level, in course offerings, and will provide one additional medium for meeting adult education and cultural needs of the State.

Minimal staff additions will take care of such an operation provided courses in practicum, at the upper division and graduate levels are added to the offerings or may be included in course titles already in existence.

It would be desirable that future plans include at least one yearly publication which would present the scholarly thinking and investigation of students and faculty alike, under some such general title as "Toward a Philosophy of Educational Television."

At least one yearly publication in which the original television programs and their production methods were delineated. This publication would have the desirable aspect of providing a syllabus of scripts for advanced courses in the television, and possibly the radio media.

Community College:

1. Credit Courses: It should be repeated again that this Division only administrates the program of the evening credit classes which are scheduled by the various colleges after 4 p.m. We have no specific direct authority to increase the offerings of credit classes to satisfy the demand of evening session students. For the last several years we have noted a decrease in the number of evening courses offered. This, of course, effects the number of night students enrolled despite the increased interest in such work through the community. Naturally the number of evening students materially effects the income of the University. Therefore, as the pressure of day students continues to

build we will have to constantly guard against decreasing the amount of night school work if we expect to maintain, let alone increase, enrollments and thus income. This Division is constantly aware of public relations and community services as far as offering night classes is concerned.

The Division expects the contract with Sandia Corporation to continue. As was noted in the first section of this report, the Sandia Corporation paid the University \$16,200 as a direct subsidy during the past year. This revenue should continue at an excellent pace during the next year as long as the University will provide the night classes which its students need.

At the present time the Division is working with another company, the ACF Industries, in setting up a similar contract for student subsidy. This contract, we hope, will go into operation in the fall of 1957-58, but it may not materialize until semester II of 1957-58. At this time, of course, it is impossible for us to estimate the income subsidy to the University, but we are of the opinion that this will strengthen enrollments in the night school courses and thus allow us to offer a greater variety of needed courses.

Again, I would repeat, that the time may be rapidly approaching when we will want to give consideration toward the development of a separate instructional staff for evening work. At the present time our office is open at night to serve night school students both the students taking credit and non-credit work.

In analyzing the comparison of students registered in non-degree status over the past three years, we find that we had a 33% increase

for the first semester in 1956-57 over the first semester of 1955-56, and a 43% increase for the second semester of 1956-57 over the second semester of 1955-56. This would make an overall increase of 38% last year over the previous year, or an increase of 390 students. These increases indicate the increased administration load which our Division bore without additional personnel. For each of the non-degree students we act as general advisors. We must make academic folders on each student, and we must keep the academic record up to date so that we can take proper academic action if necessary on each student. This is a large responsibility and one which takes considerable amounts of our time. We, therefore, suggest that in the near future that we are going to again require extra help to carry this work load burden.

2. Non-Credit Courses: Although we do not anticipate raising our fees for non-credit courses again, we have constantly raised them so that our income last year was \$29,457. During the past year this section of our responsibilities had a gross profit of \$8,884. In 1956-57 we increased the enrollment in the non-credit courses 278 students without increasing the number of courses being offered. In all probability we will request an additional budget in order to offer a greater variety of non-credit courses during the next few years, which would naturally greatly increase our enrollment. During the past year we did raise the salary of teachers in non-credit courses from \$150 to \$204. This somewhat lessened the problem of finding qualified personnel to teach the approximately 50 courses offered each semester, but also limits the number of courses which we can offer.

In order to enrich our program of non-credit offerings, we would like to utilize more laboratory facilities of the University. Such courses as Electricity and Electronics, Photography, Cooking and Basic Science would be greatly improved if such facilities were made available.

It is our plan to continue with the same time schedule for the non-credit courses that we have followed in the past. The hours 7:00 - 9:00 p.m. have proven to be the most convenient and desirable for the non-credit students.

Summer Session: With a total increase of 23% in 1957 over 1956 it is obvious that the trend in college enrollments is beginning to materially affect Summer Session enrollments. The other factor might be better planning of courses and providing adequate, popular short workshops. This will mean that in 1958 we will need a considerably larger budget in order to provide the necessary classes to handle another large enrollment increase. The budget in 1957 was \$115,406. This compares with a budget of \$105,270 in 1956. In other words we had approximately a \$10,000 increase in the 1957 budget. In all probability we will need this much or more increase in 1958.

Since faculty salaries were raised for the 1956 session to 20% of the annual salary to a maximum of \$1,500, it is not anticipated that any further faculty increases will be necessary in 1958.

During 1957 we changed the entire format of the Summer Session Bulletin and we plan to continue it in the same format in 1958. During the next year we intend to study by questionnaire and other means to find out if any further policy changes should be made in our Bulletin

or advertising.

Specifically during the next year we will ask the Summer Session Committee to consider the possibility of changing our standard eight-week session to two five-week sessions, or possibly a four-week session with an additional six-week session. In other words, we will ask the Committee to make a study of possible changes in the total length of the Summer Session. We have sought to meet the problem of teachers who want to go to school for less than eight weeks through two, three and four-week workshops. We feel that this has worked quite well in meeting this need.

It should be said that more and more of the Extension Director's time is being taken with matters having to do with the Summer Session.

The Report of the Los Alamos Graduate Center
1956 - 1957
John F. Suttle, Director

The first year's operation of the Los Alamos Graduate Center was highlighted by the response given to the program by the Laboratory personnel. The cooperation between the Laboratory and the University was excellent.

The total enrollment for the year 1956-57, including both undergraduate and graduate courses, was 814 registrations. This compared with 512 registrations for the year 1955-56. In addition, enrollment in Community College, non credit courses, for the year 1956-57 was 157 as compared with 132 for the year 1955-56.

The Graduate School recorded a total of 72 candidates requesting permission to take the Nuclear Engineering Curriculum. The combination of enthusiastic and highly trained teaching personnel coupled with unique laboratory facilities has made this field the most popular part of the program in terms of numbers of students working toward an advanced degree.

The organization of a Staff Member Advisory Council from Laboratory personnel was a significant step forward. Since a large number of the more than 400 Ph.D.'s employed by the Laboratory have had college teaching experience the value of this council in planning curricula was immediately felt. Offerings for various fields were projected to the Spring of 1961.

Courses in modern languages and business administration were planned for the academic year 1957-58.

A bulletin describing the program for 1957-58 was published and distributed to interested personnel.

THE REPORT OF THE AIR SCIENCE DEPARTMENT (AFROTC)

July 1, 1956 - June 30, 1957

Colonel E. G. Schoggen, Professor of Air Science

1. Significant developments during the academic year, 1956-57.

a. AFROTC Detachment Nr. 510 received an annual inspection April 11th and 12th, 1957. The rating given was "Satisfactory", which is the highest rating used by the Inspectors. Colonel Anderson, in charge of the inspection party, personally stated that he considered the unit's achievements to be outstanding and were it possible for that rating to have been awarded, it would have been recorded as such.

b. Staff authorization is as follows:

- Officers - five (5)
- Airmen - four (4)

c. Cadet enrollment dropped from 255 for the fall semester 1955 to 245 for the fall semester 1956 and dropped to an enrollment of 165 for the spring semester.

d. Enrollment in the AFROTC during the period 1 July 1956 to 30 June 1957.

FALL SEMESTER 1956-57

<u>AS I</u> 138	<u>AS II</u> 54	<u>AS III</u> 16	<u>AS IV</u> 37	<u>TOTAL</u> 245
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SPRING SEMESTER 1956-57

92	35	13	25	165
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e. Total appointments to Second Lieutenant in the Air Force

Reserve:

<u>Aug. 56</u> 2	<u>Feb. 57</u> 10	<u>June 57</u> 12	<u>TOTAL</u> 24
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One (1) appointment made to the Regular Air Force, June 57

	<u>1</u> 25
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16 were assigned to flying training classes (10 pilot - 6 observers) and 9 were assigned as non-flying officers.

Category I	(Pilot)	10
Category IA	(Observer)	6
Category II	(Technical)	4
Category III	(Non-technical)	1
Category IV	(Veterans)	3
Category V	(General)	1
		<hr/> 25

2. An aggressive program was initiated to orient graduating seniors in a number of the larger high schools throughout the state. During the Spring, eleven (11) high schools were visited by the instructors in this department. Considerable interest was displayed by the seniors contacted and it is hoped that a larger enrollment will result next fall.

A total of 140 cadets were given an orientation flight during the school year. This type of activity tends to create interest in the Air Force and to motivate the individual to pursue the AFROTC studies.

3. Significant plans and recommendations for the near future:

Action has been taken to begin operations of the Flight Instruction Program (FIP) at the University of New Mexico beginning the fall semester of school year 57-58, provided funds are made available for this purpose.

The FIP consists of 35 hours of flying instruction. Upon completion an AFROTC cadet may obtain a private pilot's license by accomplishing successfully a check ride with a Civil Aeronautics Authority examiner.


AFROTC Cadets fly between and after classes and have the benefit of excellent instructors. The Air Force pays for the training but expects the 35 hours of light plane training to result in great savings of the tax payer's dollar by a reduction of the "washout rate" due to many factors, when cadets enter regular Air Force Flight Training.

4. Administrative appointments to staff:

<u>NAME</u>	<u>DATE ASSIGNED</u>
Captain Charles C. Gilbert	24 May 1957
M/Sgt. James V. McQuade	8 May 1957
T/Sgt. James R. Heth	15 May 1957
S/Sgt. Howard C. Teeple	26 Apr 1957

5. Administrative separation from staff:

<u>NAME</u>	<u>DATE DEPARTED</u>
M/Sgt. Charles E. Snell	4 June 1957
T/Sgt. James M. Corbin	15 June 1957


 E. G. SCHOGGEN
 Colonel, USAF
 Professor of Air Science

The Report of the Naval Science Department
 July 1, 1956 - June 30, 1957
 D. F. Williamson, Captain, U.S.N.
 Professor of Naval Science

1. Significant achievements during the period

a. During the period of this report a total of 14 USM graduates received Navy or Marine Corps commissions through the NROTC program as follows:

Ensign, USN	<u>11</u>
Ensign, USNR	<u>3</u>
2nd Lt, USMC	<u>0</u>
2nd Lt, USMCR	<u>0</u>
	<u>14</u>

b. Total NROTC enrollments during this period were as follows:

First Semester 1956-57	<u>163</u>
Second Semester 1956-57	<u>135</u>

c. A total of six naval officers enrolled at the University of New Mexico under the five-term program during this period. Three enrolled at the beginning of the second semester, and three additional officers enrolled at the beginning of the Summer Session 1957.

d. NROTC publicity efforts were continued in behalf of the regular and contract programs. Primary methods in publicizing these programs were personal visits to high schools to personally acquaint prospective University of New Mexico enrollees with the programs, individual letters, and news releases provided to various New Mexico newspapers through the cooperation of the University News Bureau. The cooperation by all University activities contacted for assistance in presenting the NROTC program publicity has been outstanding.

2. Significant plans and recommendations for the next academic year, including anticipated capital needs.

3. Appointments to staff

Lieutenant Louis Cislo, USN, Ass't PNS	31 August 1956
Lieutenant Leland E. Mench, USN, Ass't PNS	17 September 1956
FTC J. E. Pettijohn, USN, Instructor NS	13 August 1956
SKC K. B. Davis, USN, Instructor NS	1 July 1956
QML R. B. Clark, USN, Instructor NS	17 September 1956

4. Separations from staff

Captain D. F. Williamson, PNS	10 June 1957
Lieutenant Commander J. H. Crawford, Ass't PNS	21 July 1956
QML L. L. Gillespie, Instructor NS	15 October 1956
FTC S. L. Swysgood, Instructor NS	4 October 1956
SKC H. I. McLaren, Instructor NS	30 October 1956

5. Publications.

None.

6. Outside professional activities of staff members.

None.

7. Gifts.

None.

8. Outside-sponsored research.

None.

Respectfully submitted,



W. C. RIVERS
 Commander, U. S. Navy
 Associate Professor of Naval Science

Report of the Bureau of Business Research
July 1, 1956 - June 30, 1957
Ralph L. Edgel, Director

Activities of the Bureau of Business Research have been conducted within much the same framework as has characterized its operations since its establishment in July 1945. These center around: (1) assembling information on all phases of economic activity in New Mexico and organizing it in useful form; (2) constructing measures of business activity; (3) studying and interpreting the economic life of the state; (4) disseminating information and the findings of research; (5) rendering various services to the business community, including directory services, special investigations, preparation of special purpose tabulations, analyses, and other information, and consultation on business problems, and (6) arranging and participating in conferences.

During the period under review the Bureau has continued to function as the economic research division of the state's Economic Development Commission. While this association has increased considerably the work load in the Bureau, EDC's contribution to our funds has made possible two additional research assistants and some additional clerical help and has borne a portion of the costs of publications and travel. It has focused our attention on the more immediate problems of economic development.

1. Collection of data in continuation of our regular statistical series has proceeded satisfactorily, although we have encountered some difficulty with certain data originating in state government offices because of the change in administrations and inexperience in handling some of the reporting procedures. We have also been disappointed at the slow

pace at which we are able to expand our information coverage. However, by developing estimates of gross state product, discussed below, we have been able to make a significant addition to our fund of information about the structure of the economy.

2. In addition to keeping all our established measures of business activity on a current basis, we have established and begun publication of an index of natural gas production.

3. A number of small studies of trends in employment, sales, income, and production have been made and submitted to EDC for its use in dealing with prospective enterprises. Most of the other studies have appeared in published form and are listed under publications.

Special mention should be made of three major projects completed during the period. For the Southwest Research Institute, which is conducting a study of land utilization in the state for the New Mexico Land Resources Association, we made an inventory of the state-owned lands and their use and a complete inventory of federal government establishments, employment, and expenditures in New Mexico. We also provided the Institute with much basic data from our files for use in other parts of its study. Because we recognized the importance of the study to the state, we charged the Institute only for out-of-pocket costs for travel, supplies, and extra clerical help, estimated at \$2,034, assigning the cost of research personnel to our regular program of increasing the knowledge of our state's economy. Mr. Blumenfeld made the study of state lands, and Mr. Brasher made the study of the federal government activities.

A second major project was concerned with developing our economic

model of the state's economy for use in the water resources study underwritten by Resources for the Future and directed by Professor Wollman. In this study we developed information making possible a complete accounting of the state's production and income on the same pattern as that used by the U. S. Department of Commerce in the Gross National Product series. Again because we regarded the project as a significant contribution to knowledge about the state, we contributed one man-year and the information facilities of the Bureau as the University's participation in the project necessary to obtain the grant from Resources for the Future. However, funds from the grant paid for the help of three part-time graduate students and clerical assistance for Mr. Brasher, who did the work for the Bureau.

A third major project was the completion of a directory of the state's manufacturers, compiled by Mr. Blumenfeld. For this rather large undertaking, EDC provided the funds.

Another major project was the preparation by the whole staff and publication for the EDC of a booklet, Your New Plant Should Be in New Mexico, giving summary economic information about the state's counties and principal cities. It was distributed to all prime contractors and to the Department of Defense and was given additional distribution among prospective enterprises.

At the request of the New Mexico State Dental Society, Mr. Ximenes undertook a study of the demand for dentists in the several counties of New Mexico as a supplement to the study of Dental Manpower Requirements in the West, published by the Western Interstate Commission for Higher Education. The Dental Society made a grant of \$933.00 and bore the entire cost of printing the study.

4. In no single year since its inception has the Bureau been able to disseminate such a large volume of its findings as during the year just closed. Moreover, through the association with the EDC these findings have been more widely distributed than ever before. The usual twelve issues of the monthly business review, New Mexico Business, were published, each containing a brief summary of the highlights of current business conditions and forty-three regular statistical measures of business activity. Ten issues carried articles on the findings of our research as follows:

- "Sheep in a Changing Economy," Edgel, July 1956
- "Manufacturing Gains in New Mexico," Edgel, August 1956
- "The Federal Highway Program and Its Impact in New Mexico," Goode, September 1956
- "The Growth of Savings and Loan Associations in New Mexico," Brasher, October 1956
- "A Survey of State Lands," Blumenfeld, November 1956
- "A Proposal for Assisting Local Planning in New Mexico," Harry S. Coblenz, December 1956
- "The Federal Role in New Mexico Economy," Brasher, January 1957
- "A Review of 1956," staff, February 1957
- "Projections of Populations for New Mexico Counties to 1965," Edgel, May 1957
- "Highway Transportation in New Mexico," Goode, June 1957

The number of pages of statistical information, articles and comment totaled 142 as compared with 128 in each of the two preceding years. Paid circulation has been about 200 copies each month, but distribution to state and federal agencies and to other schools, together with the number mailed by the Bureau and EDC to fill requests for information, has averaged around

1,300 copies. As many as 700 copies of reprints of some articles have been distributed.

Thirteen issues of the Retail Food Price Bulletin have been issued. Twelve were regular six-page issues in which the articles were authored successively by Driggs, Albrecht, and Meaders. One was special issue No. 7, Six and a Half Years of Food Prices, Driggs, July 1956, 12 pp.

In the Business Information Series three publications have been released:

- No. 31. Population of New Mexico Counties - 1956. October 1956, 2 pp.
- No. 32. Principal Facilities of the Federal Government in New Mexico, Brasher, January 1957, 40 pp.
- No. 33. Projections of Population for New Mexico Counties to 1965, Edgel, June 1957, 7 pp.

Other publications include:

The Demand for Dentists in New Mexico, Ximanes, January 1957, 59 pp.

1957 Directory of New Mexico Manufacturers, Blumenfeld, March 1957
56 pp. and xv

Your New Plant Should Be in New Mexico (Santa Fe: New Mexico Economic Development Commission) July 1956 - second edition, April 1957, 57 pp.

5. Requests for information and related services, exclusive of requests for specific publications, numbered 507. Of these, 197 were made in person at the Bureau's offices and ranged from simple questions which could be answered in a few minutes or by giving the inquirer a copy of one or more of the Bureau's publications through requests for advice on problems requiring several hours of consultation; some resulted in the inquirer's spending several hours or even days using the Bureau's library. A total of 282 telephone inquiries were handled, many of which could be answered

over the telephone by quick reference to information in the Bureau's files. A large number, however, required the preparation of tabulations ranging from a few simple figures through several pages of data. The number of requests for information received by mail was 128.

By far the largest number of requests have been for statistical data measuring growth and changes in populations, employment, production, sales, income, various localities, and activities of various industries. Others ask for information on living and employment conditions, operating cost ratios, taxation and public finance, and an amazing variety of other topics. Most of them came from business men wanting to appraise the size and quality of the market for goods and services or from those considering locations in New Mexico. But a large number came from students, ministers, people looking for a place to work and live, public officials, and so forth.

Our records indicate that we have been able to provide requested information for about 90 per cent of the inquiries and have referred to the proper source of information about 5 per cent more. It should be added that the widespread dissemination of our publications both increases (by notifying people of the nature of our information resources) the number of requests we receive and reduces (by increasing the number asking for specific publications for specific needs) the number asking for unpublished information.

During the last year the Bureau inaugurated a weekly release of business news, which is distributed to all the newspapers in the state. The first of these went out for November 4, 1956, and a full column has been mailed to the newspapers every week since. Total news released in this program approximates 700 column inches. Although we have made no

actual determination of the number of newspapers using the service, we believe that about one quarter of the state's papers use it regularly and that most of the others make rather frequent use of it.

Staff

Ralph L. Edgel, M.B.A., Professor of Business Administration, Director appointed July 1, 1945.

Director of Research for N.M. Economic Development Commission
Meetings attended: Annual AUBBER conference, Tucson; Western States Development conference, Phoenix; Community Production Clinic, Las Vegas, N.M.

Addresses: Belen and Socorro Rotary Clubs; Albuquerque, Espanola, and Grants Chamber of Commerce; N.M. Chamber of Commerce Managers Assn.; Oil Industry Information Committee; Albuquerque Public Schools Retirement Committee; Albuquerque Electronics Board; Employment Service conference; radio and television panels.

Committees: Faculty Insurance and Retirement.

Rudyard B. Goode, Ph.D., Assistant Professor of Business Administration, Statistician, appointed July 1, 1955; resigned June 30, 1957.

Meetings: AUBBER, Tucson; opening conference, Western Data Processing Center, U.C.L.A., November 19 & 20, 1956.

Publications: "Forecasting Jamestown Festival Traffic," Traffic Quarterly, Vol. XI, No. 1, (January 1957) (with Robert K. Turner, Jr. as co-author).

Committees: Scholarship Committee, College of Business Administration (1956-57 academic year); University Research Committee, full academic year; University Library Committee, second semester only.

Other Activities: U.N.M. Representative and Liaison to Western Data Processing Center, U.C.L.A. - from formation in November to June 30.

Vicente T. Ximenes, M.A., Research Associate, appointed September 15, 1951.

Visiting Lecturer in Economics, U.N.M., first semester.

Meetings: Annual AUBBER conference, Tucson.

Addresses: Keynote speaker GI Forum conventions in Kansas, Colorado, and California; Belen Rotary; N.M. conference of NAACP; U.N.M. education seminar; U.N.M. race relations workshop; radio and television panels.

Offices: National Chairman American GI Forum; chairman, committee to select candidate for Race Relations Institute sponsored by John Hay Whitney Foundation.

Arch Napier, M.Sc., Publications Editor, appointed July 18, 1955.

Resigned April 10, 1957.

Vice President, Albuquerque Family Consultation Service. Prepared publicity for Albuquerque Community Chest.
 Addresses: Southwestern Sociological Society.
 Contributor to Time, Wall Street Journal, New Mexico Magazine, Denver Post, Westways, and several trade magazines.

Margaret I. Meaders, M.A., Publications Editor, appointed March 18, 1957.
 Addresses: AAUW study group, alumnae of Colorado College, women of St. Luke's Lutheran Church, Sandia Women's Club.
 Publications: "For An Old-West Adventure, Visit New Mexico's Indians," Travel Section, New York Herald-Tribune, June 6, 1957.

Stanley J. Brasher, M.A., Research Assistant, appointed July 1, 1956; resigned August 31, 1957.
 Visiting Lecturer in Economics, U.N.M., first semester.
 Addresses: Sandoval County Rural Development Program Committee, Santa Fe County Rural Development Committee.

Arthur A. Blumenfeld, B.B.A., Research Assistant, appointed November 21, 1955.

Shirley Driggs, M.A., Assistant Statistician, appointed January 1, 1952; resigned July 31, 1956.

Sheila M. Fisher, Assistant Statistician, appointed July 23, 1956.

Anita Sanchez Park, B.B.A., Secretary, appointed July 1, 1955.

Shirley Huzarski, B.A., Librarian and Statistical Assistant (part time), appointed November 30, 1953.

Other people who have worked on temporary and part-time jobs in the Bureau during the past fiscal year include: Jane Albrecht and Charlotte Freedman as food price shoppers; Rosalie Espinosa and Beverly Foster as clerk typists; William McDaniels, Charles Morton, Donald Chambliss, Edward Hardin, and Wolfgang Schaetz as research assistants.

Plans

The difficulties of planning the activities of a basically service organization have been discussed in earlier annual reports. A review of the plans set forth in those reports suggests that a substantial proportion of them were "hopes" which were later frustrated by the press of immediate

jobs which were not (and in most cases, could not be) anticipated.

For the coming year we shall continue our established program of collecting and publishing data on current business activity, making as much progress as we can in broadening the basis of information, increasing our effectiveness in handling it, and improving our presentation of it.

We shall continue the publication of our two monthly bulletins, including in New Mexico Business as many articles of significance as our researches make possible. The manuscript for one of these is now ready, and five others are in various stages of preparation.

We shall be somewhat handicapped by the budgeting necessity of reducing our staff by one research assistant, but we hope that this handicap will be offset to some extent by the fact that we have somewhat more money for clerical assistance and the employment, if a competent one can be found, of a student research assistant.

Specific projects to which we shall give attention (the amount of attention depending upon the extent to which service activities interfere) include:

Publication of a monograph incorporating the results of the study of New Mexico's gross state product.

Publication of a revision of the monograph Income by Counties in New Mexico, a pamphlet, which has been in great demand.

Preparation and publication in the Business Information Series of estimates of the population, labor force, and employment in New Mexico counties.

Continued work on a directory of towns in New Mexico to be a substantial revision of an earlier publication the popularity of which

indicated that it was quite useful.

Preparation of material looking toward the eventual publication of an abstract of economic data about New Mexico.

Work on a fundamental revision and broadening of the publication on income.

Work on gross state product accounts for 1956, which accounts we hope to be able to publish eventually on a current basis.

Preparation of a 1958 directory of manufacturers.

Continued work looking toward the publication of a complete description and analysis of the entire economy of the state.

From time to time we receive urgent requests to prepare the complete Consumers Price Index for Albuquerque. Our present work with food prices deals with only one (and the simplest) component of this Index. To encompass the whole job would require much more money than we feel justified in devoting to such a special-interest project, but we have indicated our willingness to undertake the work if labor and management groups will adequately subsidize it. Consequently, we may find ourselves engaged in this project within the next year or two.

Management and labor groups also need a more recent occupational-wage survey than the one we did in 1951. The same considerations apply to this proposal as to the proposed consumer-price index.

Pleas for additional financial support are probably characteristic of most administrators' annual reports, and it must be admitted that most administrators can see how they could do a bigger and far better job if they had more money to do it with. This same proposition holds true for the Bureau.

With the information now being collected by the various state agencies, it would be possible to measure, define, and understand the workings of our economy much better than we now do. But at present much of this information is not processed by the collecting agencies in a way useful for economic analysis. A great deal of work needs to be done with these agencies to teach them proper data-processing methods. For the most part, such help and direction can come only from this Bureau. To get this information flowing and to process and interpret it would require the addition to the staff of at least two professionals (and more could be usefully employed) and more clerical personnel. The results of the additional research that could be carried out would produce valuable information justifying our enlarged publications program and budget.

The usefulness to the state of such an enlarged research program is recognized by an increasing number of state government agencies as well as by the business community as evidenced by the fact that from both groups we receive increasingly urgent requests for this and that sort of information or analyses which we could provide if we could expand our activities.

The University administration has been understanding and generous, within the limitations imposed by its revenues, in supporting Bureau activities. We feel that such support has paid off in statewide recognition of the University's service. An expanded program would undoubtedly bring greater recognition of and respect for the University service to the state. While the decision concerning what portion of its resources can be best devoted to economic and business research is one that has to be decided by the University administration in light of its other responsibilities, we feel justified in strongly recommending serious consideration of expanding such allocations.

The Report of the Division of Government Research
July 1, 1956 - June 30, 1957
Frederick C. Irion, Director

6. Publications

Community of Property and the Family in New Mexico, Robert Emmet Clark, January, 1956. (No. 48)

The 47th State: An Appraisal of its Government, Charles B. Judah and Frederick C. Irion, August, 1956. (No. 49)

The Uniform Commercial Code and New Mexico -- Article 2, Sales, David H. Vernon, June, 1957. (No. 50)

The Report of the Institute of Meteoritics
July 1, 1956 - June 30, 1957
Lincoln LaPaz, Director of the Institute

1. Significant developments during the academic year, 1956-57.

1.1 Probably the outstanding event during this year at the Institute was successful completion of an exchange with the Meteorite Committee of the Academy of Sciences of the U.S.S.R. involving meteorites recovered from the greatest of all iron showers (that of Sikhote-Alin (Ussuri) in the Russian Maritime Province on 1947, February 12) and from the greatest of all aerolitic showers (that of Norton County, Kansas, U.S.A. on 1948, February 18). The Russian Meteorite Committee has possession of all of the recoveries made from the former of these gigantic showers, while, as pointed out in an earlier report, almost all of the material recovered from the Norton County fall is stored at the Institute of Meteoritics of the University of New Mexico. In spite of the desire of the members of these two scientific organizations to complete an exchange of the quite unique meteoritic materials recovered from the two falls, customs regulations and security considerations necessitated lengthy negotiations, and it is probable that the exchange would not have been consummated without the kind and helpful intervention of U. S. Senator Clinton P. Anderson.

Among false reports deliberately given circulation by commercial meteorite hunters whose mercenary interests are not served by the scientific activities of the Institute, was one to the effect that the achondritic material sent to Russia was cut

from the Furnas County, Nebraska stone, recently surrendered to the Institute by the University of Nebraska with the understanding that this, the main mass of the 1948 fall, would remain at the Institute of Meteoritics in perpetuity. The Director wishes to make it a matter of record that, in accordance with the agreement reached by the University of Nebraska and the UNM, no material whatever has been removed from the Furnas County stone for shipment to the Russians or to anyone else. All of the achondrites shipped to Moscow were collected by field parties of the Institute of Meteoritics working in Norton County, Kansas.

1.2 Another exceedingly important scientific exchange was consummated during the course of the current academic year by the Russian Meteorite Committee and the Institute. In this case, the material exchanged consisted, on the one hand, of photographs relating to the world's largest meteorite crater near Canyon Diablo, Arizona; the Odessa, Texas meteorite crater; and the crater produced by the infall of the Norton County meteorite in 1948; and, on the other hand, of a two-reel motion picture film on the Sikhote-Alin (Ussuri) siderite shower, with musical scoring by the famous Russian composer, Glasunov. The Russian film on the Sikhote-Alin (Ussuri) fall is unique among scientific documentaries and gives an awe-inspiring insight into the almost incredible damage that can be created by a macro-meteorite fall. Because of its importance, this film will be presented, with critical commentary by the Director of the Institute, as one of the special features of the 20th meeting of the Meteoritical Society at the University of California in Los Angeles in September 1957.

1.3 The Institute continued to press its program for the discovery and identification of meteorites. Outstanding among the results obtained in this connection were identification of a new siderite from California and collection of more than 30 aerolites (many complete individuals) from the Chico Hills area, where Institute field parties have been more or less continuously active since March 1951.

1.4 With completion of work by the Department of Buildings and Grounds on the University Observatory building and dome, the Institute this year took over the tedious and exacting task of getting the optical and mechanical parts of the 15-inch telescope and its equatorial mounting in satisfactory operation. Much difficulty was encountered in eliminating the effect of packed dust and sand blown into the delicate driving mechanism of the telescope during wind storms that have occurred since the instrument reached Albuquerque from Fecker and Company in Pittsburgh; however, from the standpoint of elementary instruction and demonstration, the telescope is now operating satisfactorily. Precision research work with the Cassegrainian reflector will still require additional adjuncts and long-continued observation of suitably situated stellar objects.

In addition to work on the 15-inch Cassegrainian reflector, a crash program brought about by appearance of the beautiful and intriguing Arend-Roland comet resulted in construction of an astrographic camera with equatorial mounting in the Institute's shop. Surplus materials donated to the Institute some years ago

by W.A.A. were used in the construction of this instrument. To Mr. James Wray, a part-time Research Assistant at the Institute, goes much credit for the satisfactory manner in which this jury-rigged camera performed. One of the photographs of the Arend-Roland comet obtained with the instrument in question was given nation-wide circulation by the U.P. teletype service. Mr. Wray is currently engaged in building a permanent astrographic camera along the lines of the model used experimentally in connection with the Arend-Roland comet.

1.5 Among distinguished visitors to the Institute during the current year was Dr. D. W. R. Innes, Chief of the Gravimetric Division, Dominion Observatory, Canada, who has been in charge of investigations at several ancient Canadian craters believed by some to be of meteoritic origin. His visit was prompted not only by a desire to examine the Institute's meteorite collection and meteorite sawing equipment, but also by his wish to discuss the exceedingly important problem of identification of ancient deeply oxidized and weathered meteorites -- a problem brought to the fore by publication this year of the third monograph in the UNM Publications in Meteoritics series, John Davis Buddhue's work on The Oxidation and Weathering of Meteorites.

1.6 The Institute, from its inception, has donated meteorite specimens where needed by other groups engaged in scientific investigations. This year, our most important shipment consisted of nickel-iron-cobalt nuggets, collected by painstaking search through a considerable quantity of fragmentary Norton County

meteorite material. These metallic inclusions had been specifically requested by Dr. F. Begemann, of the Enrico Fermi Institute for Nuclear Studies of the University of Chicago. The following quotation from one of Dr. Begemann's letters will indicate how extremely important this donation of metallic inclusions from Norton County material was to the research program he had under way at the Enrico Fermi Institute for Nuclear Studies: "It is not exaggerated to state that right now the progress of our research program depends largely on it."

2. Significant plans and recommendations for the future.

2.1 At present, the most pressing need of the Institute is a sizeable budget for the purchase of equipment urgently needed in the machine shop and museum of the Institute, and for acquisition of accessories essential to efficient use of the 15-inch Cassegrainian reflector in the University Observatory, either for advanced instructional purposes or for research work in meteoric astronomy.

2.2 Hard surfacing of the grounds immediately west of the Institute would eliminate dusting within the building that is proving injurious to micro-polished meteorite specimens. Similarly, further dust-proofing of the dome of the University Observatory is urgently needed to reduce the dust hazard to the telescope and its driving mechanism.

3. Administrative appointments to staff.

3.1 None.

4. Administrative separations from staff.

4.1 None.

5. Publications (alphabetically by author)

5.1 By John Davis Buddhue, Research Associate of the Institute:

The Oxidation and Weathering of Meteorites, University of New Mexico Publications in Meteoritics No. 3, University of New Mexico Press, 1957, 161 pp.

5.2 By William A. Cassidy, Research Associate of the Institute:

"Australite Investigations and their Bearing on the Tektite Problem," Meteoritics, vol. 1, No. 4 (1956), pp. 426-437.

5.3 By Lincoln LaPaz, Director of the Institute:

(a) Papers:

"The Canadian Fireball Procession of 1913, February 9," Meteoritics, vol. 1, No. 4 (1956), pp. 402-405.

"A Preliminary Report on the Dumas, Moore County, Texas Aerolite (CN = 1017,357:)," Meteoritics, vol. 1 No. 4 (1956), pp. 470-476.

"A Recent Macro-Spicular Recovery from the Glorieta, New Mexico Fall (CN = 1058,356)," Meteoritics, vol. 1, No. 4 (1956), pp. 488-490.

(b) Book Reviews:

Between the Planets (Rev. Ed.), by Fletcher G. Watson; A Classificational Catalog of the Meteoritic Falls of the World, by Frederick C. Leonard, with the assistance of Robert de Violini; Meteors, edited by T. R. Kaiser -- published in Meteoritics, vol. 1, No. 4 (1956), pp. 500-510.

5.4 By Frederick C. Leonard, Research Associate of the Institute:

A Classificational Catalog of the Meteoritic Falls of the World, with the assistance of Robert de Violini, University of California Publications in Astronomy, Vol. 2, No. 1, University of California Press, Berkeley & Los Angeles, 1956, v + 79 pp.

6. Outside professional activities of staff members.

6.1 As in the past, the Director continues to serve as consultant on a voluntary basis to various Federal agencies and scientific organizations. While our preoccupation with the yellow-green fireballs widely observed in the Southwest has lessened, novel

problems continue to arise. For example, this year the Director was asked to aid the staff of the Ft. Union National Monument in remounting and reorienting a sundial, part of which had been destroyed by vandalism during the period when Ft. Union was abandoned. As "dialing" is almost a lost art in modern astronomy, this apparently simple question required a surprisingly large amount of bibliographic research for its solution.

6.2 The Director has served not only as a referee but also in a semi-official editorial capacity in connection with papers submitted for publication in issue No. 4 of the journal, Meteoritics.

6.3 Since Mr. William A. Cassidy is still regarded as an Institute staff member in absentia, note should be made of the fact that for a second year, he has been awarded a Research Fellowship in Meteoritics by the National Science Foundation. At present, he is working toward his doctorate at Pennsylvania State University.

7. Gifts.

7.1 None.

8. Outside-sponsored Research.

8.1 None.

THE NEW MEXICO HISTORICAL REVIEW

Frank D. Reeve, Editor

The New Mexico Historical Review was founded in 1926 by the Historical Society of New Mexico which traces its history back to 1859. The magazine is published quarterly to promote interest in the history of the Southwest and to serve as an outlet for the publication of material relating to that region. Financially, it is supported by subscription and state subsidy. Since 1929, by joint agreement between the Society and the University of New Mexico, it has been edited by a member of the University Department of History. The Review is now in its 32nd volume, the second of which (April, 1957) was a special issue for the Butterfield Overland Mail Centennial, 1857-1957. Leading historians of western history contributed the articles and Robert W. Chavez, student in the College of Fine Arts, University of New Mexico, prepared the special cover design. The Review contains articles based on the study of primary source materials, memoirs, diaries, and documents. In point of time, the material ranges from the 16th to the 20th century, a span of over 400 years, and deals with the lives of people of three cultural backgrounds, the Indian, Spanish, and Anglo-American.

The magazine is sent in exchange for numerous history journals published in the United States and in certain foreign countries as Mexico, Colombia, Brazil, Argentina, Spain, Italy, and Canada.

The Report of the Southwestern Journal of Anthropology
July 1, 1956 - June 30, 1957
Leslie Spier, Editor

During the report year the JOURNAL published Volume 12, Nos. 3 and 4 (Autumn and Winter 1956) and Volume 13, Nos. 1 and 2 (Spring and Summer 1957) in a total of 446 pages, thus keeping to a pledge to the subscribers to print somewhat more than 400 pages per year. And following established policy, the span of topics of the articles was worldwide, with a fair percentage of foreign authors contributing. The essential point of this policy is to gain wide recognition for the scholarly activities of the University.

Gratifying recognition is to be found in a foreign reprinting of one of the articles, that of M. W. Mikesell, "Notes on the Dispersal of the Dromedary" in the Bulletin de l'Institut Français d'Afrique Noire (vol.18, ser. A, no. 3, 1956) at Dakar, West Africa. Permission to reprint has always been freely given since our object is the widest dissemination possible of our materials.

Beginning with Spring 1957 number the size of the edition was increased from 1000 to 1100 copies. Our mailing list at present is 950 copies. It seemed desirable to keep the edition somewhat ahead of the number distributed but not so far beyond as to create a problem of storage. This increase in size involves an added cost but a corresponding increase of paid subscriptions and the sale of back numbers can be expected to offset this increase of manufacturing cost.

As in earlier years the income from paid subscriptions and the sale of back numbers amounted to approximately 80% of the cost of manufacture. Subscriptions numbered something over 900, an increase over 1955-56; 470 individual copies of back numbers were sold, including 12 complete sets

of the JOURNAL. As in previous years Dr. W. W. Hill, Associate Editor, carried on the onerous task of attending to subscriptions and sales.

With constantly mounting printing prices the maintaining a minimum of 400 pages per volume becomes increasingly difficult. During the year three authors provided for illustrations by donating small sums to the University (Dr. G. F. Foster, \$90.00; Dr. G. C. Carter, \$10.00; Dr. T. W. Whitaker, \$25.00). Calling on authors to furnish money for extra pages and illustrations is not good policy since it puts a premium on articles for which such extra sums can be provided as against those of authors not so well situated financially.

Cost precludes the publication of longer articles; yet it was the prime objective of the JOURNAL since its establishment in 1945 to publish articles of sub-monographic length. There is no outlet for such extended studies in any of the American anthropological journals.

Our most important need is a firm contract with the University Printing Plant establishing a price per printed page. The prices now charged vary from issue to issue —though these are of substantially the same content —such that the Editor is unable to forecast what charges are developing against the JOURNAL budget though he must attempt to do so months in advance of each issue's publication date. This point has been urged by the Editor several times, with suggestions for a practicable form for such a contract.

Report of
University of New Mexico Press
University of New Mexico Publications Series
New Mexico Quarterly
July 1, 1956 - June 30, 1957
Roland Dickey, Director

This report covers the first year of the publishing program which combines as a single department the University of New Mexico Press, the University of New Mexico Publications Series, and the New Mexico Quarterly magazine.

I. Significant developments during the academic year, 1956-57:

A. Publications Committee meetings:

1. Members of the Committee: S. A. Northrop (Chm.), E. W. Baughman, E. F. Castetter, W. W. Hill, W. H. Ivins, C. B. Judah, L. LaPaz, F. V. Scholes, J. Tatschl, and ex officio J. Durrie, S. A. Raymond, and R. Dickey. Ivins resigned in February. M. Freedman replaced Judah for the second semester.
2. The Committee held eight meetings during the year, on Oct. 25, Nov. 14, Dec. 5, Jan. 9, Feb. 20, Feb. 26, Apr. 9, and June 6.
3. At these meetings, some 50 book-length manuscripts were discussed, of which 7 were accepted for publication.

B. General activities:

1. An important part of the year's work consisted of the study and reorganization of the three departments, and the training of new staff members. At the same time, progress was made toward the completion of past publishing commitments.
2. A new filing system was placed in operation and a substantial part of the records of previous years was evaluated and filed.
3. In April the offices of the combined operation were moved to the first floor of Marron Hall, rooms 104-10 and 122-26. For several years the Press had occupied barracks building T-21, the Publications office was in Administration 108, and the Quarterly was in the Inter-American Affairs Building, now dismantled. A production room, book and magazine storage, and a sales and exhibit room were set up to meet needs of the new program.
4. The address files used for sales and promotion were re-examined, cleared of a large amount of obsolete data, and a more effective system installed.

C. The University Press published the following books:

1. Lone Eagle ... The White Sioux, by Floyd S. Maine. A frontier autobiography. Aug. 56.
2. Fishing in New Mexico, by J. T. Reid. A brief, illustrated guide for fishermen. Paperbound. Aug. 56.
3. Steinbeck and His Critics, edited and annotated by E. W. Tedlock, Jr., and C. V. Wicker. An anthology of critical materials on John Steinbeck, with an introduction and notes. Mar. 57.

4. Violence in Lincoln County, 1869-1881, by William A. Kelleher. A history of Old Lincoln County and the Lincoln County War, based on original source materials. June 57.

- D. The following books were in process: 1. Ten Texas Feuds, by C. L. Sonnichsen. 2. Richard Wetherill: Anasazi, by Frank McNitt. 3. Guide to the Fishes of New Mexico, by W. J. Koster. 4. Black Sand, by Harold S. Colton. 5. New Mexico Birds, by J. Stokely Ligon. 6. How Come It's Called That, by V. Madison and H. Stillwell. 7. Before Noon, by Ramon Sender. 8. George Curry, edited by H. B. Hening.

E. Sales:

University Press sales for the year	\$53,829.97
Publications Series sales	1,442.78
<u>New Mexico Quarterly sales</u>	<u>1,146.11</u>
Total	\$56,418.86

F. University Publications Series activities:

1. The Oxidation and Weathering of Meteorites, by J. D. Buddhue, was released as No. 3 of the Meteoritics Series in March, 1957.
2. Editorial work was continued on Navajo Indian Ethnology, by Wyman and Bailey, planned as No. 7 in the Biology Series.
3. The manuscript, Francisco de Rojas Zorrilla and the Tragedy, by Raymond R. MacCurdy, was accepted for publication in the Language and Literature Series.

G. New Mexico Quarterly activities:

1. Pending policy decisions and the appointment of a new editor, no activities directly concerned with preparing a new issue were undertaken during the initial months of the fiscal period. This, coupled with delays engendered by a change in editor, integration with the new publishing program, and a drastic reduction in editorial man-hours, left the magazine seriously behind schedule.

2. Two issues were released during the fiscal year:

Autumn 1956, Vol. XXVI, No. 3

Winter 1956-57, Vol. XXVI, No. 4

These issues contained 5 articles, 2 stories, 19 poems, and 29 book reviews, plus a special section featuring paperbound books. Art features included a series of 1846 lithographs of Southwestern plants, and a group of illustrative drawings. The two issues carried one page of advertising, with the back cover of the Autumn issue used to announce the D. H. Lawrence Fellowship Fund.

"The Vegetation of New Mexico," by E. F. Castetter, Third Annual Research Lecture, was issued as an offprint from the Autumn issue.

3. The two issues had a total of 192 pages. Paid subscriptions averaged 250, exchanges 57 and complimentary 27. The book review section was sent to 26 publishers.

4. Unsolicited manuscripts averaged between 100 and 150 a month during the year.
5. The Spring-Summer 1957 issue, incorporating a new typographical design and special Southwestern features, was in preparation, to be released during the 1957-58 fiscal year.

II. Significant plans for the near future:

- A. Methods and systems of operation are still undergoing study and improvement, and this process will continue for some time to come.
- B. As the staff becomes more experienced, and as past commitments are cleared up, it will be increasingly possible to maintain regular publishing schedules.
- C. A new typographic design for the New Mexico Quarterly has been completed, and will be evident in the forthcoming Spring-Summer 1957 issue. Articles and other materials have been chosen with a more specifically Southwestern point of view than previously reflected by the magazine. Plans have been implemented for the preparation of two special 1957-58 New Mexican issues, one on the subject "New Mexico - An Appraisal," and the other dealing with "Water in the Southwest." A number of well-known writers and specialists have been asked to contribute to these issues.

- D. A new catalog of books is in preparation for fall release. The catalog will include announcements of the UNM Publications Series and the Quarterly.

III. Staff appointments:

- A. John N. Durrie served as interim director of the combined program until the appointment of Roland Dickey on September 8, 195⁶~~7~~. On that date Dickey was named director of the Press, general editor of the Publications Series, and editor of the Quarterly.
- B. The staff: Mrs. Hazel Mensing, office manager; Mrs. Ramona Maher Martinez, editor; Mr. Blair Boyd, editorial assistant, part-time; Mrs. Carolyn Adair, assistant editor of the Quarterly, on a part-time basis. On April 1, Mr. Frank McNitt was named sales and production manager.

IV. Outside activities:

- A. With reference to Press business, Mr. Dickey visited Texas Technological College, Lubbock, on April 6, and the University of Oklahoma Press, Norman, on April 7. On April 8 and 9 he delivered lectures to authors' groups at Oklahoma A. & M. College, Stillwater.
- B. Mr. Dickey and Mr. McNitt, of the Press staff, attended the national meeting of the Association of American University Presses in Lincoln, Nebraska, May 5-8.

V. Ford Foundation Grant:

- A. In January, 1957, the Ford Foundation approved the granting of funds to the University of New Mexico Press as part of a program to stimulate scholarly publishing in the humanities and social sciences. A sum of \$5400 was granted for the current year, to be followed by an approximately similar sum for each of four years, if certain conditions specified by the Foundation are met.
- B. The first books to be published under the grant will be selected during the 1957-58 fiscal year.

VI. Awards and special mention:

- A. The Missions of New Mexico, 1776, by Adams and Chavez, designed by R. Dickey, was named one of the 1956 Southern Books, in a competition based on graphic excellence, by the Southeastern Library Association. The books are exhibited at institutions throughout the Southeastern U.S.
- B. Gold on the Desert, by Olga Wright Smith, designed by R. Dickey, was chosen as one of the Western Books of 1956, for graphic excellence, by the Rounce & Coffin Club of California. These books are exhibited in a tour of Western libraries and institutions.
- C. Color plates from the Press book, Hopi Kachina Dolls, by Harold S. Colton, were reprinted in A Pictorial History of the American Indian, by Oliver LaFarge, released by Crown Publishers, New York.

VII. Library donations

- A. During the year the combined program presented some 132 books and 78 periodicals to the University Library.
- B. Of these, 18 books and 40 periodicals were donated by the Press. The Quarterly donated 51 books and 38 periodicals, plus a collection of 63 paperbound books on the history, geography, language, and poetry of Puerto Rico. These materials were received by the Press and Quarterly for a variety of reasons, being sent by publishers and agencies for review, publicity, and exchange. In addition, the publishing program has a regular exchange arrangement with the Library under which copies of Publications and the Quarterly are exchanged for similar materials published elsewhere.

#

The Report of the Student Affairs Division
July 1, 1956 - June 30, 1957
Sherman E. Smith - Director of Student Affairs

From the standpoint of organization and personnel, the year 1956-57 was a comparatively stable one for the Student Affairs Division. There were no changes in the leadership of the six offices. Changes in personnel, which were not numerous, are noted in each of the following reports.

STUDENT AFFAIRS OFFICE

The functions of the Student Affairs Office were little changed during the year. Plans were completed, however, for some substantial shifts in responsibility to be effected in 1957-58. These will be described in some of the following sections.

Recruiting of Students. The usual pattern of work with prospective students was maintained. Again, nearly every high school in New Mexico was visited, and a number were visited several times. In addition to the Director of Student Affairs, others engaged in this work were the Director of the Placement Bureau, the Dean of Men and his assistant, the Director of Admissions, and the Director of the Counseling and Testing Services. In all its recruiting activity, the University tries to maintain the closest possible liaison with high school principals and guidance counsellors. Relations with the high schools have improved greatly in recent years.

The freshman class entering in the fall of 1956 was 40 per cent larger than that of the preceding year. As the following table shows, this large increase was composed mainly of students from outlying counties in the State and from other states and countries.

New Fall Freshman Admissions

	<u>Bernalillo County</u>	<u>Other N.M. Counties</u>	<u>New Mexico Freshmen</u>	<u>Non- residents</u>	<u>Total</u>
1951	216	165	381	144	525
1952	318	222	540	221	761
1953	323	293	616	160	776
1954	383	326	709	247	956
1955	439	279	718	207	925
1956	476	456	932	370	1302

*max 9500's
Report says
928 and
1088*

The factors in a substantial enrollment increase of this kind are always hard to assess because they are so numerous. There is no doubt that the availability of housing for women of the high quality provided in Hokona Hall was an important attraction.

All indications seem to point to increasingly heavy enrollment pressure during the coming decade. As the private colleges become more and more selective, the proportion of applications from non-residents will certainly increase. It is recommended that the University re-examine its policy in the admission of non-residents in anticipation of the exceptional pressure from that quarter which is sure to come.

Freshman Advisement. For several years past, this office has assembled the records of each freshman for transmission to his faculty advisor. These included a transcript of his high school record, a profile of his entrance tests, and a personality evaluation from his high school. With the organization of the University College, this function will pass to that office.

Student Housing. Preliminary plans for a new dormitory to house 435 men were well advanced at the close of the year. The plans were evolved in conferences between the Dean of Men, the Director of Student Affairs, and the architects: Schaefer, Merrell, Pendleton and Associates, of Clovis. In early June the University applied for a loan from the Housing and Home Finance Agency in the amount of \$1,800,000 to finance the construction of the dormitory. Preliminary approval and a reservation of funds was obtained. It is hoped that construction can begin in early 1958.

New Student Union. Planning for the new union building has absorbed much of the attention of this office during the year. From the basic findings of the consultant, Mr. Frank Noffke, a plan for a union adequate for 10,000 students has been evolved. The union will include food service, a bookstore, a games area, ballrooms, meeting rooms, guest rooms, offices for student government and organizations, the Alumni Association, and a faculty club.

The building will be financed by a revenue bond issue of approximately \$3,000,000. The Housing and Home Finance Agency has made a reservation of funds and a preliminary commitment of \$2,000,000 toward the purchase of the issue. The balance will be sold in the open market. It is hoped that the union building and the men's dormitory can be offered for bid simultaneously and that construction will begin early in 1958.

Union Reorganization. It was recognized by everyone concerned that the operation of the projected union will be on such a scale that the administrative arrangements for the present

union probably would prove inadequate. Accordingly, the charter of the Union Board was revised in the spring of 1957. Under the new charter, the Union Director will have a line responsibility to the Student Affairs Office. Subject to budgetary authorization, he will be fully responsible for the management of the union. Policy will be set by a board composed of seven students, two faculty members, an alumnus, one of the Personnel Deans, and the Director of Student Affairs.

In addition to his managerial responsibilities, the Union Director will be expected to coordinate student activities and advise student government. Under his leadership, the extracurricular life of the campus will be centered in the union.

Heretofore, the above responsibilities have been borne by the Deans of Men and Women, whose offices have become heavily overburdened as the enrollment has grown. With this transfer of function to the Union Director, it will be possible for the Deans to concentrate their attention on the counseling of students and the supervision of fraternities, sororities and dormitories. Through alternating membership on the Union Board, they will retain a voice in union policy.

University Program Series. The University Program Series for 1956-57 consisted of eight programs, including lectures on world affairs, art, music, and architecture; classical music, modern jazz, and folk ballet. At the close of the season, the Cultural Activities Committee had a cash balance of approximately \$3500.

Mr. Robert Kersey, Program Director of the Union, was responsible for the management of the Series. The Director of Student

Affairs continued to serve as chairman of the Committee. Student acceptance of the Series, as measured by attendance and favorable reaction, reached a high point during this year.

Foreign Students and Foreign Leader Visitors. The number of foreign students enrolled at the University increased about 50 percent over that of the preceding year. Part of the increase was due to the presence, during Semester II, of ten Hungarian refugee students assigned here for a special English language course by the Institute of International Education and World University Service. The cost of this program was approximately \$5000. Half of this was supplied by the above agencies, the balance was donated locally in cash, hospitality and services. The Student Council appropriated \$1000 for the program. Three of the fraternities provided rooms. Professor Jane Kluckhohn was in charge of the instructional program, which engaged the services of numerous staff members and volunteers from the community. Responsibility for the general planning and business management of the program was assumed by this office.

The National Association of Foreign Student Advisers met in Albuquerque at the end of April. Nearly two hundred representatives from colleges, universities, government departments, foreign embassies and private agencies took part in three days of meetings. Professor Kluckhohn and the Director of Student Affairs were responsible for local arrangements for the Conference.

The number of leaders and specialists visiting the University under the auspice of various departments of the federal government has increased steadily. Miss Wilma Loy Shelton has continued to program the visits and arrange hospitality for all

these visitors. Scores of volunteers in the community assist her in this work.

Parking and Traffic. In the fall, a Traffic Center, open each weekday evening, was set up to promote the enforcement of parking regulations and handle the large volume of paper work connected with citations. Mr. Guy Hursh, who manned the Center, also received and transmitted calls to the University police during the evening hours.

Other Activities. During the year the Director of Student Affairs also:

1. Assisted the President in presenting the University's budget to the Legislature.
2. Prepared a proposal for a project in educational television for submission to the Fund for the Advancement of Education.
3. Continued to serve on the Coordinating Council of Colleges and Secondary Schools.
4. Attended a meeting of the Western Personnel Institute in Pasadena in November.
5. Joined a U.S. Navy Midshipman Training Cruise to Norway and England in the summer of 1956.
6. Made an inspection tour of an AFROTC summer camp at March Field, California, in early August.
7. Visited educational television centers in Chicago and Pittsburgh under the auspices of the Fund for the Advancement of Education.
8. Served on the Boards of the Community Concert Association and the Albuquerque Child Guidance Center and as Chairman of the Rotary Foundation and Student Loan Committees.

Recommendations:

1. Construction of a theater-type auditorium.
2. Remodeling of the basement of the Infirmary into an isolation ward. The probability of an influenza epidemic in 1957-58 adds urgency to this request, which has been repeated for several years.
3. The University should re-examine its standards of admission of non-resident students, and perhaps also its non-resident tuition charges, in view of the heavy enrollment pressure from other states which is almost certain to develop in the next few years.

ANNUAL REPORT
of the
OFFICE OF ADMISSIONS AND RECORDS

1956 - 57

for the
1956 Summer Session
and
Semesters I and II, 1956-57

June 30, 1957

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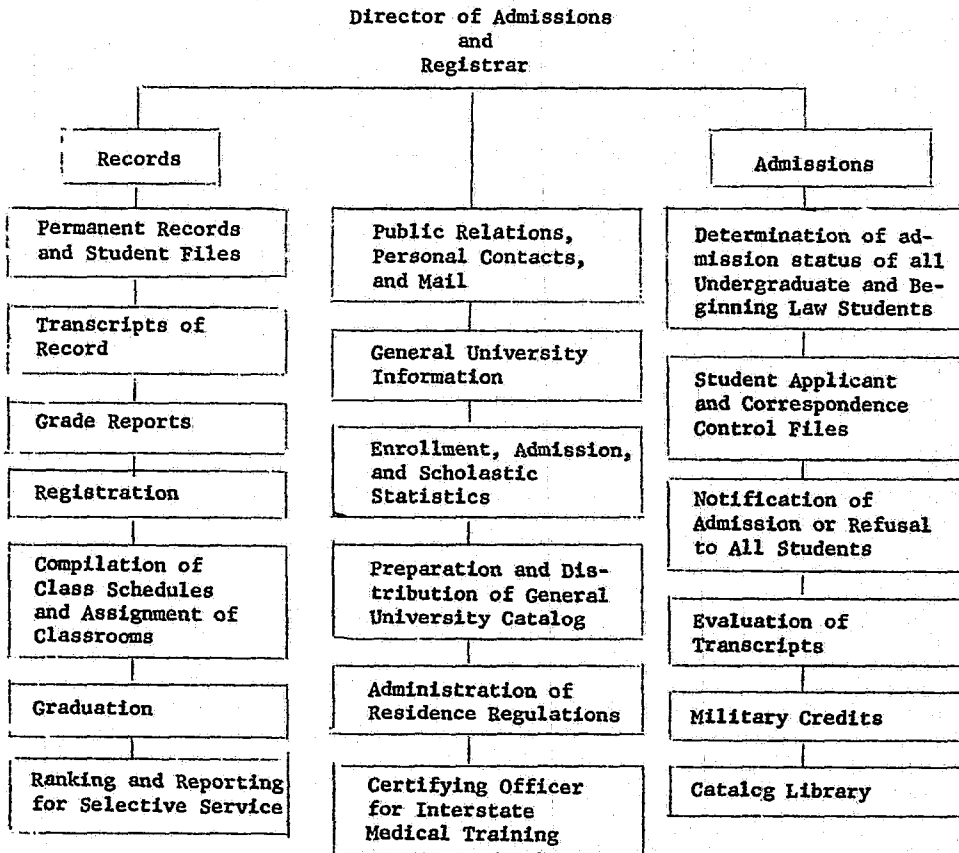
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CHART OF THE GENERAL FUNCTIONS
OF THE OFFICE OF ADMISSIONS AND RECORDS



INTRODUCTION

The Office of Admissions and Records functions under the co-ordinating supervision of the Director of Student Affairs. The chart on the preceding page outlines the main functions of the office. Detailed explanations of the organization, functions, and responsibilities of this office appear in previous editions of the Annual Report.

Salient feature of the 1956-57 school year was the continued increase in enrollment. Final figures for the 1956 Fall Semester represented a 16.4% increase over the record enrollment of the 1955 Fall. The Spring Semester showed an 18.5% increase over the comparable session of the previous year, and the 1956 Summer Session enrollment exceeded that of 1955 by 11.8%. These increases resulted in proportionately heavier work loads for all sections of the Office of Admissions and Records.

Mail

The processing of mail constitutes a heavy portion of the office load and reflects the increasing enrollment with its consequent increase in inquiries from prospective students who, in most instances, receive personalized replies. The fact that outgoing mail is more than twice the volume of the mail received, as may be seen from the chart below, is accounted for by the large number of memoranda and notices which are sent through campus and regular mail to students and faculty.

The figures below, which do not include catalog mailings, are for the year beginning May 1, 1956 and ending April 30, 1957:

	<u>Mail Incoming</u>	<u>Mail Outgoing</u>
Total Items	<u>28,398</u>	<u>70,901</u>
Monthly Average	<u>2,366</u>	<u>5,908</u>

Catalogs

The general catalog of the University is published about the first of April each year. Last year 17,000 copies were distributed to students, prospective students, faculty and other institutions. By February 1, 1957, the supply had been exhausted. Mailings from this office included, in addition to the general catalog, bulletins of the College of Law and various brochures.

Transcripts

Another function and service of the Office of Admissions and Records which reflects increased enrollment is the issuance of transcripts. The number issued during the period indicated in the following table represents an increase of twenty-one percent over the comparable period of the previous year.

Transcripts Issued
May 1, 1956 through April 30, 1957

<u>Month</u>	<u>Number Issued</u>
May, 1956.....	556
June, 1956.....	896
July, 1956.....	591
August, 1956.....	1057
September, 1956.....	558
October, 1956.....	646
November, 1956.....	533
December, 1956.....	477
January, 1957.....	573
February, 1957.....	1092
March, 1957.....	670
April, 1957.....	<u>564</u>
Total.....	<u>8213</u>
Monthly Average.....	<u>684</u>

The fees charged for transcripts of record go directly to the general fund rather than into the budget of the Office of Admissions and Records. It is interesting to note, however, that this service goes far toward paying its own way. Of the 8213 transcripts issued during the period charted above, 3284 were free transcripts. The student is entitled to one free transcript before graduation and another after graduation. Also, no charge is made for transcripts submitted to the New Mexico State Department of Education for teacher certification. The remaining 4929 transcripts resulted in payments and charges in the amount of \$2964.00.

Advisement Photostats

Although official transcripts of record are being requested in increasing numbers each year, this load is small in comparison with the production of photostats of students' records to be used for advisement purposes. At the start of the 1956 Summer Session and each of the two regular semesters of the academic year, photostats (clearly marked "Advisement Copy") were prepared of the high school record of each entering freshman and distributed to the colleges and their academic advisers. At the start of the 1956 Fall Semester, photostats were prepared of the record here for each returning student and made available to the colleges for advisement and record-keeping. These, together with dozens of advisement photostats produced upon special request of colleges and departments, accounted for an expenditure of approximately \$2000.00 for sensitized photostat paper alone, as well as for many hours of processing by staff personnel.

Scheduling of Classrooms

Each enrollment increase brings additional problems of classroom usage. Although the scheduling formula which had been adopted with the 1955-56 Fall Semester proved reasonably successful in effecting equitable distribution of available classroom space for the 1956 Fall increase of 16.4%, it was obvious that adjustments in the formula would be necessary to contain

any further enrollment increases. The Advisory Committee on Classroom Usage, working with the Registrar, spent considerable time during 1956-57 adjusting the formula to meet the demands of an anticipated increase in 1957-58. Main feature of the revised formula is a requirement that a small percentage of three-hour lecture offerings be scheduled on Tuesday, Thursday, Saturday morning patterns.

Beyond the few areas which are specified in this introduction as having been measurably affected by the 1956-57 enrollment increases, the admission and enrollment statistics appearing in the following pages speak for themselves of the growth of activity in all sections of the Office of Admissions and Records as well as throughout the University.

ADMISSION STATISTICS**ACADEMIC YEAR****1956-57**

ADMISSION STATISTICS
1956-57

SUMMARY OF NEW AND READMITTED STUDENTS

College	1956 Summer Session			Semester I			Semester II		
	<u>New</u>	<u>Readmitted</u>	<u>Total</u>	<u>New</u>	<u>Readmitted</u>	<u>Total</u>	<u>New</u>	<u>Readmitted</u>	<u>Total</u>
Arts & Sciences	41	14	55	387	55	442	71	55	126
Business Admin.	9	6	15	166	35	201	29	32	61
Education	20	20	40	215	47	262	39	24	63
Engineering	20	5	25	294	59	353	39	48	87
Fine Arts	13	2	15	79	13	92	8	9	17
General	16	14	30	201	100	301	72	69	141
Nursing	1	2	3	41	2	43	4	1	5
Pharmacy	1		1	21	7	28	3	2	5
Graduate	137	158	295	425	144	569	228	98	326
Law	1		1	52	4	56	3		3
Non-degree	<u>163</u>	<u>86</u>	<u>249</u>	<u>462</u>	<u>123</u>	<u>585</u>	<u>324</u>	<u>110</u>	<u>434</u>
Totals	<u>422</u>	<u>307</u>	729	<u>2343</u>	<u>589</u>	2932	<u>820</u>	<u>448</u>	1268
Returning Students			805			2922			4220
Field Sessions & Workshops			<u>64</u>						
Total Enrollments			<u>1598*</u>			<u>5854**</u>			<u>5488***</u>

*Summer Session enrollment includes four-week workshops scheduled during the regular session.

**Semester I enrollment includes 1152 evening registrations.

***Semester II enrollment includes 1133 evening registrations.

NEW FRESHMAN ADMISSIONS
1956-57 Academic Year

NEW MEXICO HIGH SCHOOLS

	<u>Summer</u>	<u>Fall</u>	<u>Spring</u>	<u>Total</u>
Alamogordo		7		7
Albuquerque High	12	128	12	152
Albuquerque Indian		5	2	7
Artesia		2	1	3
Aztec		1		1
Belen		8	2	10
Bernalillo		1		1
Bianco	1			1
Carlsbad		10		10
Carrizozo		6		6
Central Consolidated (Kirtland)		1		1
Cimarron		1	1	2
Clayton	1	3		4
Clovis		9		9
Cobre Consolidated (Hurley)		2		2
Corona		2		2
Costilla		1		1
Cuba		1	1	2
Deming		3		3
Encino		2		2
Espanola		5	2	7
Estancia		3		3
Eunice		5		5
Farmington		13		13
Fence Lake		1		1
Foothills (Albuquerque)			1	1
Forrest		1		1
Fort Sumner		4	1	5
Gadsden		3	1	4
Gallup		14	2	16
Grants		3	1	4
Hagerman		3		3
Harwood Girls School (Albuquerque)		1		1
Hatch Valley		2		2
Highland High (Albuquerque)	21	250	22	293
Hobbs	1	15	1	17
Hondo		2		2
Immaculate Heart Sem. (Santa Fe)		1		1
Jal		3		3
Las Cruces	1	3		4
Las Vegas		8		8
Loretto Academy (Santa Fe)		3	2	5
Los Alamos		13	2	15
Los Lunas		6		6
Lovington		9	1	10
Maxwell		2		2
Menaul (Albuquerque)		10	4	14
Monument		1		1
Mora			1	1
Moriarty		2		2
Mountainair	1			1

	<u>1956</u> <u>Summer</u>	<u>1956</u> <u>Fall</u>	<u>1957</u> <u>Spring</u>	<u>Total</u>
Navajo Meth. (Farmington)		1		1
N. M. M. I. (Roswell)	3	11	1	15
N. M. Western (Silver City)		4	1	5
North. N. M. Normal (El Rito)		1	2	3
Our Lady of Sorrows (Bernalillo)		3		3
Pecos		2		2
Portales		2		2
Ramah		1		1
Raton		8		8
Roswell		18	2	20
Roy		1		1
Sacred Heart (Clovis)		1		1
St. Mary's (Albuquerque)	1	25	4	30
St. Michael's (Santa Fe)		6	1	7
St. Vincent's (Albuquerque)		5		5
San Jon		1		1
Santa Cruz		4		4
Santa Fe	1	26	1	28
Santa Fe Indian		4	2	6
Santa Rosa		7		7
Seboyeta	1			1
Socorro		3		3
Springer		1		1
Taos		6		6
Tatum		1		1
Tierra Amarilla	1	2	1	4
Truth or Consequences	1	3	1	5
Tucumcari		10	1	11
Tularosa		1		1
Valley High (Albuquerque)	3	52	3	58
Wagon Mound		2		2
West Las Vegas		1		1
	<u>49</u>	<u>792</u>	<u>80</u>	<u>921</u>
G. E. D. Tests (N. M. Residents)		<u>5</u>	<u>6</u>	<u>11</u>
Total from N. M. High Schools and G.E.D.	<u>49</u>	<u>797</u>	<u>86</u>	<u>932</u>

OTHER STATES

	<u>1956</u> <u>Summer</u>	<u>1956</u> <u>Fall</u>	<u>1957</u> <u>Spring</u>	<u>Total</u>
Alabama		1		1
Arizona	1	16		17
Arkansas	1	4		5
California		29	7	36
Colorado	2	15	1	18
Connecticut		2		2
Delaware		1		1
Florida		6		6
Georgia	1	2		3
Idaho		1		1
Illinois	1	37	6	44

NEW FRESHMAN ADMISSIONS - OTHER STATES (Continued)

	1956 <u>Summer</u>	1956 <u>Fall</u>	1957 <u>Spring</u>	<u>Total</u>
Indiana		4	2	6
Iowa		11	4	15
Kansas		5	2	7
Kentucky		1		1
Louisiana		3		3
Maryland		3		3
Massachusetts		12	1	13
Michigan	1	10		11
Minnesota		4	1	5
Mississippi	2	1		3
Missouri	2	5	2	9
Montana		1		1
Nebraska	1	3		4
New Jersey	1	9		10
New York	3	9	4	16
Ohio	2	6	3	11
Oklahoma	1	7	3	11
Oregon	1	1		2
Pennsylvania	1	9	5	15
South Carolina		1		1
South Dakota		2	1	3
Tennessee		1	1	2
Texas	2	40	6	48
Virginia		2	1	3
Washington		1	3	4
West Virginia		2	1	3
Wisconsin	1	4		5
Wyoming		2		2
Total from Other States	<u>24</u>	<u>273</u>	<u>54</u>	<u>351</u>

FOREIGN COUNTRIES AND TERRITORIES

	1956 <u>Summer</u>	1956 <u>Fall</u>	1957 <u>Spring</u>	<u>Total</u>
Canada		2		2
Cuba		1		1
Ecuador		1		1
Germany		1		1
Greece		1		1
Guatemala		1		1
Hawaii		5		5
Malaya			1	1
Mexico		2		2
Netherlands West Indies		1		1
Okinawa		1		1
Puerto Rico		1		1
Thailand		1		1
Total from Foreign Countries and Territories		<u>18</u>	<u>1</u>	<u>19</u>

SUMMARY OF NEW FRESHMAN ADMISSIONS

	<u>1956</u> <u>Summer</u>	<u>1956</u> <u>Fall</u>	<u>1957</u> <u>Spring</u>	<u>Total</u>
New Mexico High Schools	49	797	86	932
Other States	24	273	54	351
Foreign Countries and Territories	—	18	1	19
Total New Freshman Admissions	<u>73</u>	<u>1088</u>	<u>141</u>	<u>1302</u>

COMPARISON OF NEW FRESHMAN ADMISSIONS
Fall Semesters 1952-53 through 1956-57

	<u>1952</u> <u>Fall</u>	<u>1953</u> <u>Fall</u>	<u>1954</u> <u>Fall</u>	<u>1955</u> <u>Fall</u>	<u>1956</u> <u>Fall</u>
New Mexico High Schools	540	614	709	718	932
Other States	212	158	235	207	351
Foreign Countries and Territories	9	4	12	13	19
Total New Freshman Admissions	<u>761</u>	<u>776</u>	<u>956</u>	<u>938</u>	<u>1302</u>

COMPARISON OF ADMISSIONS PROCESSING LOADS
Fall Semesters 1955-56 and 1956-57

	<u>1955 Fall</u>	<u>1956 Fall</u>	<u>Increase</u>
Admitted and Registered			
Daytime:			
New	1528	1762	
Readmitted	<u>288</u>	<u>383</u>	2145
Evening:			
New	436	581	
Readmitted	<u>163</u>	<u>206</u>	<u>787</u>
Total		2415	2932 21.4%
Admitted but Cancelled		96	184
Admitted but Did Not Show		<u>462</u>	<u>533</u>
Total Admissions		2973	3649 22.7%
Refused Admission		<u>107</u>	<u>158</u>
Total Applications Processed		3080	3807 23.6%
Credentials Incomplete		<u>310</u>	<u>322</u>
Total Applications Received		<u>3390</u>	<u>4129</u> 21.8%

ENROLLMENT STATISTICS

ACADEMIC YEAR

1956-57

STUDENT ENROLLMENTS

1937-38 through 1956-57

	<u>Summer Session</u>	<u>Semester I</u>	<u>Semester II</u>	<u>Semester III*</u>
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	1576	4495	4335	
1946-47	1717	3649	3542	
1945-46	364	924	1814	1275
1944-45	278	941	1269	1167
1943-44	308	1078	1204	1044
1942-43	689	1205	986	
1941-42	844	1500	1233	
1940-41	838	1713	1520	
1939-40	949	1565	1472	
1938-39	943	1482	1351	
1937-38	799	1442	1339	

* During World War II, the University operated on a three-semester basis.

ENROLLMENT SUMMARY
1956-57 Academic Year

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Semesters I & II			
Civilians	3844	1832	5676
Veterans	<u>1377</u>	<u>22</u>	<u>1399</u>
Unduplicated Total, Sem. I & II	5221	1854	7075
Summer Session 1956	955	579	1534
Puppetry Workshop	6	28	34
Nursing Workshop	0	24	24
Piano Workshop	<u>1</u>	<u>5</u>	<u>6</u>
Total Enrollment in Residence Sessions	6183	2490	8673
Less Duplicate Enrollments	<u>626</u>	<u>271</u>	<u>897</u>
Total Enrollment (unduplicated in Residence Sessions)	<u>5557</u>	<u>2219</u>	<u>7776</u>
Extension Division			
Extension Classes*	424	194	618
Correspondence*	<u>242</u>	<u>140</u>	<u>382</u>
Total Extension and Correspondence*	666	334	1000
Less Duplicate Enrollments*	<u>8</u>	<u>4</u>	<u>12</u>
Unduplicated Total, Extension and Correspondence*	<u>658</u>	<u>330</u>	<u>988</u>
Total Different Persons in Residence Sessions	5557	2219	7776
Total Different Persons in Correspondence and Extension	<u>658</u>	<u>330</u>	<u>988</u>
Total Residence, Extension and Correspondence	6215	2549	8764
Less Duplicate Enrollments	<u>185</u>	<u>58</u>	<u>243</u>
TOTAL DIFFERENT PERSONS ENROLLED DURING 1956-57 ACADEMIC YEAR	<u>6030</u>	<u>2491</u>	<u>8521</u>

*July 1, 1956 through June 30, 1957

ENROLLMENT SUMMARIES BY SESSION
1956-57

1956 SUMMER

	<u>Civilians</u>	<u>Veterans</u>	<u>Total</u>
Regular Sessions*:			
Men	594	361	955
Women	<u>575</u>	<u>4</u>	<u>579</u>
Total	1169	365	1534
Special Workshops:			
Puppetry			
Men	6		6
Women	<u>28</u>		<u>28</u>
	34		34
Nursing			
Women	24		24
Piano			
Men	1		1
Women	<u>5</u>		<u>5</u>
	6		6
Total Enrollment	<u>1233</u>	<u>365</u>	<u>1598</u>

*Includes four-week workshops

SEMESTER I

	<u>Civilians</u>	<u>Veterans</u>	<u>Total</u>
Men	3104	1187	4291
Women	<u>1543</u>	<u>20</u>	<u>1563</u>
Total Enrollment	<u>4647</u>	<u>1207</u>	<u>5854</u>

SEMESTER II

	<u>Civilians</u>	<u>Veterans</u>	<u>Total</u>
Men	2930	1129	4059
Women	<u>1414</u>	<u>15</u>	<u>1429</u>
Total Enrollment	<u>4344</u>	<u>1144</u>	<u>5488</u>

FULL-TIME STUDENT EQUIVALENTS COMPARED WITH TOTAL ENROLLMENTS
Semesters I and II, 1947-48 to 1956-57

SEMESTER I

<u>Year</u>	<u>Total Enrollment</u>	<u>F. T. E.*</u>	<u>Percent. of Total</u>
1947-48	4495	4336	96.46%
1948-49	4921	4548	92.42%
1949-50	4795	4261	88.86%
1950-51	4643	3847	82.86%
1951-52	3796	2974	78.35%
1952-53	4086	3036	74.30%
1953-54	4163	3155	75.79%
1954-55	4692	3556	75.79%
1955-56	5028	3874	77.05%
1956-57	5854	4334	74.03%

SEMESTER II

<u>Year</u>	<u>Total Enrollment</u>	<u>F. T. E.*</u>	<u>Percent. of Total</u>
1947-48	4335	4088	94.30%
1948-49	4514	4158	92.11%
1949-50	4501	4080	90.65%
1950-51	4078	3260	79.94%
1951-52	3563	2727	76.54%
1952-53	3845	2834	73.71%
1953-54	3819	2906	76.09%
1954-55	4283	3339	77.96%
1955-56	4629	3577	77.27%
1956-57	5488	4029	73.41%

*The full-time equivalent (F. T. E.) is computed by dividing the total number of semester hours by an average full-time load of 16 semester hours.

ENROLLMENT ANALYSIS
BY COLLEGES AND DEPARTMENTS

1956-57

(Excluding drops and withdrawals prior to the fifth week of
the semester or the third week of the summer session)

College & Dept.	Student Enrollments			Student Credit Hours		
	1956 S.S.	1956-57		1956 S.S.	1956-57	
		(1)	(2)		(1)	(2)
A & S						
Anthro.	30	588	576	158	1741	1696
Biology	94	815	899	286	3055	3244
Chemistry	59	1064	954	213	3558	3263
Economics	39	508	486	117	1524	1499
English	309	2646	2318	936	7940	6951
Geography	---	111	98	---	333	292
Geology	103	889	802	251	2391	2117
Government	95	388	336	283	1170	1011
History	179	1068	1076	536	3140	3207
Journalism	---	62	68	---	186	204
Math. & Astr.	302	2432	2230	942	7331	6832
Mod. & Class. Languages	50	1256	1157	148	3737	3374
Philosophy	29	314	367	87	936	1101
Physics	55	514	491	186	1679	1642
Psychology	146	816	911	441	2436	2731
Soc. Sci.	15	332	298	45	996	894
Sociology	54	318	220	178	860	657
Speech	59	405	325	198	1148	919
TOTAL						
A & S	<u>1618</u>	<u>14,526</u>	<u>13,612</u>	<u>5005</u>	<u>44,161</u>	<u>41,634</u>
BUSINESS						
ADMIN.	<u>176</u>	<u>1249</u>	<u>891</u>	<u>499</u>	<u>3541</u>	<u>2556</u>
EDUCATION						
Art Ed.	48	133	122	101	394	364
Elem. Ed.	315	225	147	744	621	477
Gen. Ed.	277	295	410	714	791	987
Home Ec.	20	232	266	80	678	678
Music Ed.	42	96	95	88	201	206
Phys. Ed.	196	1550	1406	252	1762	1693
School Adm.	58	103	101	116	282	289
Secondary Ed.	<u>118</u>	<u>375</u>	<u>438</u>	<u>363</u>	<u>1236</u>	<u>1508</u>
TOTAL						
EDUCATION	<u>1074</u>	<u>3009</u>	<u>2985</u>	<u>2458</u>	<u>5965</u>	<u>6202</u>

ENROLLMENT ANALYSIS BY COLLEGES AND DEPARTMENTS (Continued)

College & Dept.	Student Enrollments		Student Credit Hours			
	1956 S.S.	1956-57 (1) (2)		1956 S.S.	1956-57 (1) (2)	
ENGINEERING						
Engineering	---	91	37	---	273	111
Architectural	33	848	799	99	1788	1673
Chemical	---	128	203	---	320	447
Civil	19	539	557	57	1438	1428
Electrical	32	786	687	103	1888	1789
Mechanical	---	655	658	---	1510	1726
TOTAL						
ENGINEERING	84	3047	2941	259	7217	7174
DIVISION OF ARCHITECTURE						
(Administered by Colleges of Engineering and Fine Arts)						
	---	51	104	---	190	278
FINE ARTS						
Art	85	687	611	201	1592	1367
Dramatic Art	---	138	130	---	375	360
Music	168	808	717	212	1127	949
TOTAL						
FINE ARTS	253	1633	1458	413	3094	2676
LAW	---	434	347	---	1230	907
NURSING	24	55	14	48	124	42
PHARMACY	1	192	137	2	580	508
AIR SCIENCE	---	228	160	---	542	388
NAVAL SCIENCE	---	168	131	---	504	393
GRAND TOTALS	3230	24,592	22,780	8684	67,145	62,758

ENROLLMENT BY COLLEGE AND CLASS
1956 Summer Session

<u>College</u>	<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>	<u>Unclass.</u>	<u>Non-Degree</u>	<u>Grad.</u>	<u>Law</u>	<u>Total</u>
Arts & Sciences	41	52	60	56	13				222
Business Admin.	20	26	24	29	6				105
Education	21	23	59	73	10				186
Engineering	21	46	36	15	3				121
Fine Arts	16	12	13	6	1				48
General	42	56							98
Nursing		3	1		2				6
Pharmacy	2	6	4	5					17
Non-Degree						269			269
Graduate							458		458
Law								4	4
Totals	<u>163</u>	<u>224</u>	<u>197</u>	<u>184</u>	<u>35</u>	<u>269</u>	<u>458</u>	<u>4</u>	<u>1534*</u>

* Includes the four-week workshops.

Total Enrolled in Regular Session	1534
Puppetry Workshop	34
Nursing Workshop	24
Piano Workshop	<u>6</u>
Total 1956 Summer Session	<u>1598</u>

ENROLLMENT BY COLLEGE AND CLASS
Semester I, 1956-57

<u>College</u>	<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>	<u>Unclass.</u>	<u>Non-Degree</u>	<u>Grad.</u>	<u>Law</u>	<u>Total</u>
Arts and Sciences	388	226	241	165	79				1099
Business Admin.	178	109	80	58	28				453
Education	214	152	151	120	46				683
Engineering	321	195	163	145	34				858
Fine Arts	97	31	40	28	15				211
General	348	233			17				598
Nursing	37	17	2	1	4				61
Pharmacy	21	24	14	19	6				84
Non-Degree						735			735
Graduate							982		982
Law								90	90
Totals	<u>1604</u>	<u>987</u>	<u>691</u>	<u>536</u>	<u>229</u>	<u>735</u>	<u>982</u>	<u>90</u>	<u>5854*</u>

* Of the total fall enrollment 1152 students were registered for evening courses only.

Evening Undergraduates:	
Regular Status	248
Non-degree Status	516
Evening Graduates	<u>388</u>
 Total Evening Enrollment	 <u>1152</u>

ENROLLMENT BY COLLEGE AND CLASS
Semester II, 1956-57

<u>College</u>	<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>	<u>Unclass.</u>	<u>Non-Degree</u>	<u>Grad.</u>	<u>Law</u>	<u>Total</u>
Arts and Sciences	340	224	249	195	62				1070
Business Admin.	117	95	92	75	14				393
Education	193	137	142	145	25				642
Engineering	291	200	135	161	35				822
Fine Arts	81	36	39	34	4				194
General	310	206			18				534
Nursing	33	17	1	1	3				55
Pharmacy	19	23	11	20	2				75
Non-Degree						684			684
Graduate							951		951
Law								68	68
Totals	<u>1384</u>	<u>938</u>	<u>669</u>	<u>631</u>	<u>163</u>	<u>684</u>	<u>951</u>	<u>68</u>	<u>5488*</u>

* Of the total spring enrollment 1133 students were registered for evening courses only.

Evening Undergraduates:
 Regular Status 249
 Non-Degree Status 491
 Evening Graduates 393
 Total Evening Enrollment 1133

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

ARTS AND SCIENCES

Class		1956 Summer				Semester I				Semester II			
		Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total
Freshman:	Civ.	21	14	35		211	142	353		185	118	303	
	Vet.	6	0	6	<u>41</u>	35	0	35	<u>388</u>	35	2	37	<u>340</u>
Sophomore	Civ.	21	16	37		109	82	191		107	74	181	
	Vet.	15	0	15	<u>52</u>	33	2	35	<u>226</u>	41	2	43	<u>224</u>
Junior	Civ.	21	16	37		110	68	178		116	67	183	
	Vet.	21	2	23	<u>60</u>	61	2	63	<u>241</u>	65	1	66	<u>249</u>
Senior	Civ.	16	15	31		78	36	114		92	48	140	
	Vet.	25	0	25	<u>56</u>	51	0	51	<u>165</u>	54	1	55	<u>195</u>
Unclassified	Civ.	8	3	11		34	21	55		26	20	46	
	Vet.	2	0	2	<u>13</u>	23	1	24	<u>79</u>	16	0	16	<u>62</u>
sub-Totals	Civ.	87	64	151		542	349	891		526	327	853	
	Vet.	69	2	71		203	5	208		211	6	217	
Totals		<u>156</u>	<u>66</u>	<u>222</u>		<u>745</u>	<u>354</u>	<u>1099</u>		<u>737</u>	<u>333</u>	<u>1070</u>	

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COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

BUSINESS ADMINISTRATION

Class	1956 Summer				Semester I				Semester II			
	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total
Freshman	Civ.	5	3	8	85	43	128		58	27	85	
	Vet.	12	0	12	50	0	50	178	31	1	32	117
Sophomore	Civ.	6	3	9	43	11	54		45	8	53	
	Vet.	16	1	17	54	1	55	109	42	0	42	95
Junior	Civ.	8	4	12	40	8	48		47	8	55	
	Vet.	12	0	12	32	0	32	80	36	1	37	92
Senior	Civ.	9	2	11	23	6	29		31	10	41	
	Vet.	18	0	18	29	0	29	58	34	0	34	75
Unclassified	Civ.	4	1	5	13	4	17		10	2	12	
	Vet.	1	0	1	11	0	11	28	2	0	2	14
Sub-Totals	Civ.	32	13	45	204	72	276		191	55	246	
	Vet.	59	1	60	176	1	177		145	2	147	
Totals		91	14	105	380	73	453		336	57	393	

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

EDUCATION

Class Class		1956 Summer				Semester I				Semester II			
		Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total
Freshman	Civ.	1	16	17		32	165	197		28	149	177	
	Vet.	4	0	4	<u>21</u>	16	1	17	<u>214</u>	16	0	16	<u>193</u>
Sophomore	Civ.	2	14	16		33	93	126		31	85	116	
	Vet.	7	0	7	<u>23</u>	24	2	26	<u>152</u>	20	1	21	<u>137</u>
Junior	Civ.	12	32	44		42	85	127		30	79	109	
	Vet.	15	0	15	<u>59</u>	24	0	24	<u>151</u>	33	0	33	<u>142</u>
Senior	Civ.	15	38	53		29	63	92		53	64	117	
	Vet.	20	0	20	<u>73</u>	28	0	28	<u>120</u>	28	0	28	<u>145</u>
Unclassified	Civ.	1	5	6		9	27	36		5	14	19	
	Vet.	<u>4</u>	<u>0</u>	<u>4</u>	<u>10</u>	<u>10</u>	<u>0</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>0</u>	<u>6</u>	<u>25</u>
Sub-Totals	Civ.	31	105	136		145	433	578		147	391	538	
	Vet.	<u>50</u>	<u>0</u>	<u>50</u>		<u>102</u>	<u>3</u>	<u>105</u>		<u>103</u>	<u>1</u>	<u>104</u>	
Totals		<u>81</u>	<u>105</u>	<u>186</u>		<u>247</u>	<u>436</u>	<u>683</u>		<u>250</u>	<u>392</u>	<u>642</u>	

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

ENGINEERING

Class		1956 Summer				Semester I				Semester II			
		Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total
Freshman	Civ.	12	1	13		246	8	254		218	7	225	
	Vet.	8	0	8	<u>21</u>	67	0	67	<u>321</u>	66	0	66	<u>291</u>
Sophomore	Civ.	22	1	23		115	3	118		125	4	129	
	Vet.	23	0	23	<u>46</u>	77	0	77	<u>195</u>	71	0	71	<u>200</u>
Junior	Civ.	22	1	23		104	2	106		75	2	77	
	Vet.	13	0	13	<u>36</u>	57	0	57	<u>163</u>	58	0	58	<u>135</u>
Senior	Civ.	10	0	10		88	0	88		102	0	102	
	Vet.	5	0	5	<u>15</u>	57	0	57	<u>145</u>	59	0	59	<u>161</u>
Unclassified	Civ.	1	0	1		21	1	22		27	0	27	
	Vet.	2	0	2	<u>3</u>	12	0	12	<u>34</u>	8	0	8	<u>35</u>
Sub-Totals	Civ.	67	3	70		574	14	588		547	13	560	
	Vet.	<u>51</u>	<u>0</u>	<u>51</u>		<u>270</u>	<u>0</u>	<u>270</u>		<u>262</u>	<u>0</u>	<u>262</u>	
Totals		<u>118</u>	<u>3</u>	<u>121</u>		<u>844</u>	<u>14</u>	<u>858</u>		<u>809</u>	<u>13</u>	<u>822</u>	

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

FINE ARTS

Class		1956 Summer				Semester I				Semester II			
		Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total
Freshman	Civ..	3	12	15		26	61	87		23	52	75	
	Vet.	1	0	1	<u>16</u>	9	1	10	<u>97</u>	5	1	6	<u>81</u>
Sophomore	Civ.	4	5	9		12	16	28		10	20	30	
	Vet.	3	0	3	<u>12</u>	3	0	3	<u>31</u>	6	0	6	<u>36</u>
Junior	Civ.	4	8	12		10	24	34		8	24	32	
	Vet.	1	0	1	<u>13</u>	5	1	6	<u>40</u>	7	0	7	<u>39</u>
Senior	Civ.	1	5	6		4	21	25		9	22	31	
	Vet.	0	0	0	<u>6</u>	2	1	3	<u>28</u>	3	0	3	<u>34</u>
Unclassified	Civ.	0	1	1		1	12	13		0	4	4	
	Vet.	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>15</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>
Sub-Totals	Civ.	12	31	43		53	134	187		50	122	172	
	Vet.	<u>5</u>	<u>0</u>	<u>5</u>		<u>20</u>	<u>4</u>	<u>24</u>		<u>21</u>	<u>1</u>	<u>22</u>	
Totals		<u>17</u>	<u>31</u>	<u>48</u>		<u>73</u>	<u>138</u>	<u>211</u>		<u>71</u>	<u>123</u>	<u>194</u>	

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

GENERAL

<u>Class</u>		1956 Summer				Semester I				Semester II			
		<u>Men</u>	<u>Women</u>	<u>Sub-Total</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Sub-Total</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Sub-Total</u>	<u>Total</u>
Freshman	Civ.	18	7	25		188	39	227		169	36	205	
	Vet.	17	0	17	<u>42</u>	119	2	121	<u>348</u>	104	1	105	<u>310</u>
Sophomore	Civ.	22	3	25		121	29	150		102	26	128	
	Vet.	31	0	31	<u>56</u>	83	0	83	<u>233</u>	78	0	78	<u>206</u>
Unclassified	Civ.	0	0	0		6	4	10		12	2	14	
	Vet.	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>7</u>	<u>17</u>	<u>4</u>	<u>0</u>	<u>4</u>	<u>18</u>
Sub-Totals	Civ.	40	10	50		315	72	387		283	64	347	
	Vet.	<u>48</u>	<u>0</u>	<u>48</u>		<u>209</u>	<u>2</u>	<u>211</u>		<u>186</u>	<u>1</u>	<u>187</u>	
Totals		<u>88</u>	<u>10</u>	<u>98</u>		<u>524</u>	<u>74</u>	<u>598</u>		<u>469</u>	<u>65</u>	<u>534</u>	

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

NURSING

Class		1956 Summer			Semester I			Semester II		
		Women	Sub-Total	Total	Women	Sub-Total	Total	Women	Sub-Total	Total
Freshman	Civ.	0	0	0	36	36		32	32	
	Vet.	0	0	<u>0</u>	1	1	<u>37</u>	1	1	<u>33</u>
Sophomore	Civ.	3	3		17	17		17	17	
	Vet.	0	0	<u>3</u>	0	0	<u>17</u>	0	0	<u>17</u>
Junior	Civ.	1	1		2	2		1	1	
	Vet.	0	0	<u>1</u>	0	0	<u>2</u>	0	0	<u>1</u>
Senior	Civ.	0	0		1	1		1	1	
	Vet.	0	0	<u>0</u>	0	0	<u>1</u>	0	0	<u>1</u>
Unclassified	Civ.	2	2		3	3		2	2	
	Vet.	<u>0</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>4</u>	<u>1</u>	<u>1</u>	<u>3</u>
Sub-Totals	Civ.	6	6		59	59		53	53	
	Vet.	<u>0</u>	<u>0</u>		<u>2</u>	<u>2</u>		<u>2</u>	<u>2</u>	
Totals		<u>6</u>	<u>6</u>		<u>61</u>	<u>61</u>		<u>55</u>	<u>55</u>	

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

PHARMACY

Class	1956 Summer				Semester I				Semester II			
	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total
Freshman	Civ.	0	1	1	13	3	16		10	4	14	
	Vet.	1	0	1	5	0	5	<u>21</u>	5	0	5	<u>19</u>
Sophomore	Civ.	3	1	4	10	3	13		11	3	14	
	Vet.	2	0	2	11	0	11	<u>24</u>	9	0	9	<u>23</u>
Junior	Civ.	2	1	3	10	0	10		6	1	7	
	Vet.	1	0	1	4	0	4	<u>14</u>	4	0	4	<u>11</u>
Senior	Civ.	4	0	4	6	3	9		8	2	10	
	Vet.	1	0	1	10	0	10	<u>19</u>	10	0	10	<u>20</u>
Unclassified	Civ.	0	0	0	3	0	3		2	0	2	
	Vet.	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>3</u>	<u>6</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>
Sub-Totals	Civ.	9	3	12	42	9	51		37	10	47	
	Vet.	<u>5</u>	<u>0</u>	<u>5</u>	<u>33</u>	<u>0</u>	<u>33</u>		<u>28</u>	<u>0</u>	<u>28</u>	
Totals		<u>14</u>	<u>3</u>	<u>17</u>	<u>75</u>	<u>9</u>	<u>84</u>		<u>65</u>	<u>10</u>	<u>75</u>	

COLLEGE ENROLLMENTS
MEN, WOMEN, CIVILIANS, VETERANS
1956-57

GRADUATE SCHOOL

	1956 Summer			Semester I			Semester II		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Civ.	203	183	386	673	175	848	635	180	815
Vet.	<u>71</u>	<u>1</u>	<u>72</u>	<u>133</u>	<u>1</u>	<u>134</u>	<u>135</u>	<u>1</u>	<u>136</u>
Totals	<u>274</u>	<u>184</u>	<u>458</u>	<u>806</u>	<u>176</u>	<u>982</u>	<u>770</u>	<u>181</u>	<u>951</u>

LAW

Class		1956 Summer				Semester I				Semester II			
		Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total	Men	Women	Sub-Total	Total
First Year	Civ.	0	0	0		24	7	31		15	3	18	
	Vet.	<u>1</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>19</u>	<u>1</u>	<u>20</u>	<u>51</u>	<u>16</u>	<u>1</u>	<u>17</u>	<u>35</u>
Second Year	Civ.	0	0	0		7	1	8		5	0	5	
	Vet.	<u>1</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>8</u>	<u>0</u>	<u>8</u>	<u>16</u>	<u>10</u>	<u>0</u>	<u>10</u>	<u>15</u>
Third Year	Civ.	2	0	2		9	1	10		8	1	9	
	Vet.	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>11</u>	<u>0</u>	<u>11</u>	<u>21</u>	<u>8</u>	<u>0</u>	<u>8</u>	<u>17</u>
Special	Civ.	0	0	0		1	0	1		0	0	0	
	Vet.	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>1</u>
Sub-Totals	Civ.	2	0	2		41	9	50		28	4	32	
	Vet.	<u>2</u>	<u>0</u>	<u>2</u>		<u>39</u>	<u>1</u>	<u>40</u>		<u>35</u>	<u>1</u>	<u>36</u>	
Totals		<u>4</u>	<u>0</u>	<u>4</u>		<u>80</u>	<u>10</u>	<u>90</u>		<u>63</u>	<u>5</u>	<u>68</u>	

ANALYSIS OF EVENING CREDIT ENROLLMENTS

1956-57

SEMESTER I

College	<u>Fr.</u>	<u>Soph.</u>	<u>Jr.</u>	<u>Sr.</u>	<u>Uncl.</u>	<u>Grad.</u>	<u>Law</u>	<u>Non-Deg.</u>	<u>Total</u>
Arts & Sciences	12	5	6	14	5				42
Business Admin.	16	16	10	7	9				58
Education	6	6	6	4	11				33
Engineering	27	6	6	1	8				48
Fine Arts	1		1		1				3
General	35	19			2				56
Nursing		1	2	1	2				6
Pharmacy	1								1
Graduate						388			388
Law							1		1
Non-Degree	---	---	---	---	---	---	---	516	516
Totals	<u>98</u>	<u>53</u>	<u>31</u>	<u>27</u>	<u>38</u>	<u>388</u>	<u>1</u>	<u>516</u>	<u>1152</u>

SEMESTER II

Arts & Sciences	14	5	8	7	6				40
Business Admin.	14	13	16	8	6				57
Education	9	5	2	3	5				24
Engineering	32	11	3	2	11				59
Fine Arts	3	1	2	1					7
General	38	15			5				58
Nursing		1		1	2				4
Pharmacy									0
Graduate						393			393
Law									0
Non-Degree	---	---	---	---	---	---	---	491	491
Totals	<u>110</u>	<u>51</u>	<u>31</u>	<u>22</u>	<u>35</u>	<u>393</u>	<u>0</u>	<u>491</u>	<u>1133</u>

HOURS AND EQUIVALENTS FOR EVENING CREDIT ENROLLMENTS

	<u>Total Hours</u>	<u>F. T. E.*</u>
Semester I, 1956-57	4349	272
Semester II, 1956-57	4230	265

*The full-time student equivalent (F. T. E.) is computed by dividing the total number of semester hours by an average full-time load of 16 semester hours.

ANALYSIS OF ENROLLMENTS
OFF-CAMPUS RESIDENT CREDIT CENTERS
1956-57

LOS ALAMOS

College	SEMESTER I					Total	SEMESTER II					Total
	Soph.	Jr.	Uncl.	Grad.	Non-Deg.		Soph.	Jr.	Sr.	Grad.	Non-Deg.	
Arts & Sciences	2	2	5			9			3			3
Engineering			3			3	2	1				3
Graduate				173		173				151		151
Non-Degree					35	35					12	12
Totals	<u>2</u>	<u>2</u>	<u>8</u>	<u>173</u>	<u>35</u>	<u>220</u>	<u>2</u>	<u>1</u>	<u>3</u>	<u>151</u>	<u>12</u>	<u>169</u>

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HOLLOMAN

College	SEMESTER I			Total	SEMESTER II			Total
	Uncl.	Grad.	Non-Deg.		Soph.	Grad.	Non-Deg.	
Engineering	1			1	1			1
Graduate		61		61		42		42
Non-Degree			12	12			21	21
Totals	<u>1</u>	<u>61</u>	<u>12</u>	<u>74</u>	<u>1</u>	<u>42</u>	<u>21</u>	<u>64</u>

HOURS AND EQUIVALENTS

	LOS ALAMOS		HOLLOMAN	
	Total Hours	F. T. E.	Total Hours	F. T. E.
Semester I, 1956-57	839	52	327	20
Semester II, 1956-57	668	42	252	16

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GEOGRAPHICAL SOURCES OF ENROLLMENT

1956-57 Academic Year

Students Enrolled from New Mexico

<u>County</u>	<u>1956 Summer</u>	<u>Semester I</u>	<u>Semester II</u>
Bernalillo	1037	3862	3713
Catron	3	1	1
Chaves	13	90	81
Colfax	11	39	30
Curry	4	41	38
DeBaca	2	8	8
Dona Ana	3	25	23
Eddy	20	55	52
Grant	2	27	21
Guadalupe	5	10	7
Harding	7	4	1
Hidalgo	3	2	3
Lea	11	74	61
Lincoln	1	14	13
Los Alamos	10	247	219
Luna	1	7	5
McKinley	14	49	52
Mora	2	8	9
Otero	10	97	58
Quay	9	34	35
Rio Arriba	8	38	40
Roosevelt	1	9	7
Sandoval	9	30	20
San Juan	17	54	56
San Miguel	4	18	11
Santa Fe	34	124	127
Sierra	3	7	6
Socorro	9	15	12
Taos	8	33	31
Torrance	12	26	24
Union	6	14	14
Valencia	28	77	68
Totals	<u>1307</u>	<u>5139</u>	<u>4846</u>

GEOGRAPHICAL SOURCES OF ENROLLMENT (Continued)

Students Enrolled from Other States

<u>State</u>	<u>1956 Summer</u>	<u>Semester I</u>	<u>Semester II</u>
Alabama	1	2	4
Arizona	7	26	27
Arkansas	2	2	3
California	20	80	69
Colorado	15	37	32
Connecticut	3	10	6
District of Columbia	4	2	1
Florida	5	12	9
Georgia	1	6	7
Idaho	2	2	4
Illinois	23	81	76
Indiana	4	12	11
Iowa	7	24	17
Kansas	10	22	21
Kentucky	3	1	2
Louisiana	2	6	4
Maryland		7	4
Massachusetts	3	18	14
Michigan	4	16	15
Minnesota	3	9	7
Mississippi	4	2	5
Missouri	10	9	7
Montana	2	3	3
Nebraska	3	4	4
Nevada	2	6	7
New Hampshire			1
New Jersey	9	22	22
New York	30	44	37
North Carolina	1	1	
North Dakota		2	2
Ohio	12	15	11
Oklahoma	12	21	19
Oregon	2	5	6
Pennsylvania	1	22	23
South Carolina	9	2	2
South Dakota		7	7
Tennessee	2	3	2
Texas	31	87	81
Utah	6	2	2
Vermont		1	
Virginia	7	3	2
Washington	4	5	5
West Virginia	4	7	5
Wisconsin	6	11	3
Wyoming	2	8	6
Totals	<u>278</u>	<u>667</u>	<u>595</u>

GEOGRAPHICAL SOURCES OF ENROLLMENT (Continued)

Students Enrolled from Other Countries and Territories

Country or Territory	1956 Summer	Semester I	Semester II
Afghanistan		1	1
Alaska		2	1
Bolivia	2	1	1
Brazil		1	1
Canada		3	3
Canal Zone		3	2
Cuba		1	1
Ecuador		2	2
England	1	1	
Ethiopia	2	2	
Free China	2	3	2
Greece		1	1
Guatemala		2	2
Hawaii		4	4
Honduras		1	1
India		2	2
Italy		1	2
Japan	1	1	2
Korea		1	1
Lebanon	1		
Malaya	1	1	2
Mexico	1	7	7
Netherlands West Indies		1	1
Norway			1
Pakistan	1	2	2
Panama		1	1
Peru			1
Teheran	1		
Thailand		2	2
Venezuela		1	1
Totals	<u>13</u>	<u>48</u>	<u>47</u>

SUMMARIES OF GEOGRAPHICAL SOURCES OF ENROLLMENT

	1956 Summer	Semester I	Semester II
Residents	1307 (82%)	5139 (88%)	4846 (88%)
Non-Residents			
Other States	278	667	595
Foreign	<u>13</u>	<u>48</u>	<u>47</u>
	291 (18%)	715 (12%)	642 (12%)
Total Enrollments	<u>1598</u>	<u>5854</u>	<u>5488</u>

ANALYSIS OF ENROLLMENTS
BY SEMESTER HOUR LOADS

	<u>Semester I</u> <u>1956-57</u>	<u>Semester II</u> <u>1956-57</u>
Number of Students Enrolled for 7 hours or less	1793	1729
Number of Students Enrolled for 8 to 11 hours inclusive	282	290
Number of Students Enrolled for 12 hours or more	<u>3779</u>	<u>3469</u>
Total Students Enrolled	<u>5854</u>	<u>5488</u>

COMPARISON OF ENROLLMENTS
BY
ACADEMIC YEARS

Total Different Persons Enrolled in Regular Semesters

1930-31.....1154	1943-44.....1773*
1931-32.....1209	1944-45.....1799*
1932-33.....1230	1945-46.....3114*
1933-34.....1265	1946-47.....4268
1934-35.....1386	1947-48.....5231
1935-36.....1542	1948-49.....5498
1936-37.....1582	1949-50.....5455
1937-38.....1633	1950-51.....5405
1938-39.....1698	1951-52.....4518
1939-40.....1773	1952-53.....4973
1940-41.....1914	1953-54.....4987
1941-42.....1646	1954-55.....5539
1942-43.....1350	1955-56.....5996
	1956-57.....7075

* Three semesters

COMPARATIVE ENROLLMENTS - RESIDENT AND NON-RESIDENT

1952-53 to 1956-57

Summer Sessions

	<u>Resident</u>	<u>%</u>	<u>Non-Resident</u>	<u>%</u>	<u>Total</u>
1952 Summer	850	74%	298	26%	<u>1148</u>
1953 Summer	905	79%	241	21%	<u>1146</u>
1954 Summer	1075	84%	212	16%	<u>1287</u>
1955 Summer	1154	81%	275	19%	<u>1429</u>
1956 Summer	1307	82%	291	18%	<u>1598</u>

Fall Semesters

1952 Fall	3171	78%	915	22%	<u>4086</u>
1953 Fall	3461	83%	702	17%	<u>4163</u>
1954 Fall	4026	86%	666	14%	<u>4692</u>
1955 Fall	4402	88%	626	12%	<u>5028</u>
1956 Fall	5139	88%	715	12%	<u>5854</u>

Spring Semesters

1953 Spring	3060	80%	785	20%	<u>3845</u>
1954 Spring	3210	84%	609	16%	<u>3819</u>
1955 Spring	3700	86%	583	14%	<u>4283</u>
1956 Spring	4071	88%	558	12%	<u>4629</u>
1957 Spring	4846	88%	642	12%	<u>5488</u>

COMPARATIVE ENROLLMENTS - CIVILIAN AND VETERAN

1952-53 to 1956-57

Summer Sessions

	<u>Civilian</u>	<u>%</u>	<u>Veteran</u>	<u>%</u>	<u>Total</u>
1952 Summer	854	74%	294	26%	<u>1148</u>
1953 Summer	913	80%	233	20%	<u>1146</u>
1954 Summer	1001	78%	286	22%	<u>1287</u>
1955 Summer	1097	77%	332	23%	<u>1429</u>
1956 Summer	1233	77%	365	23%	<u>1598</u>

Fall Semesters

1952 Fall	3329	81%	757	19%	<u>4086</u>
1953 Fall	3441	83%	722	17%	<u>4163</u>
1954 Fall	3793	81%	899	19%	<u>4692</u>
1955 Fall	3869	77%	1159	23%	<u>5028</u>
1956 Fall	4647	79%	1207	21%	<u>5854</u>

Spring Semesters

1953 Spring	3147	82%	698	18%	<u>3845</u>
1954 Spring	3110	81%	709	19%	<u>3819</u>
1955 Spring	3310	77%	973	23%	<u>4283</u>
1956 Spring	3514	76%	1115	24%	<u>4629</u>
1957 Spring	4344	79%	1144	21%	<u>5488</u>

COMPARATIVE ENROLLMENTS - MEN AND WOMEN

1952-53 to 1956-57

Summer Sessions

	<u>Men</u>	<u>%</u>	<u>Women</u>	<u>%</u>	<u>Total</u>
1952 Summer	688	60%	460	40%	<u>1148</u>
1953 Summer	647	56%	499	44%	<u>1146</u>
1954 Summer	738	57%	549	43%	<u>1287</u>
1955 Summer	861	60%	568	40%	<u>1429</u>
1956 Summer	962	60%	636	40%	<u>1598</u>

Fall Semesters

1952 Fall	2889	71%	1197	29%	<u>4086</u>
1953 Fall	2905	70%	1258	30%	<u>4163</u>
1954 Fall	3336	71%	1356	29%	<u>4692</u>
1955 Fall	3658	73%	1370	27%	<u>5028</u>
1956 Fall	4291	73%	1563	27%	<u>5854</u>

Spring Semesters

1953 Spring	2703	70%	1142	30%	<u>3845</u>
1954 Spring	2690	70%	1129	30%	<u>3819</u>
1955 Spring	3051	71%	1232	29%	<u>4283</u>
1956 Spring	3385	73%	1244	27%	<u>4629</u>
1957 Spring	4059	74%	1429	26%	<u>5488</u>

WITHDRAWALS RELATED TO TOTAL ENROLLMENTS

1955-56 and 1956-57

SEMESTER I

	1955-56		1956-57	
	<u>With- drawals</u>	<u>% of Enroll.</u>	<u>With- drawals</u>	<u>% of Enroll.</u>
First Week			56	0.96%
Second Week			41	.70%
Total First Two Weeks	54	1.07%	97	1.66%
3 - 4 Weeks	69	1.37%	100	1.71%
5 - 8 Weeks	97	1.93%	91	1.55%
9 - 16 Weeks	<u>130</u>	<u>2.59%</u>	<u>159</u>	<u>2.72%</u>
Totals	<u>350</u>	<u>6.96%</u>	<u>447</u>	<u>7.64%</u>

SEMESTER II

	1955-56		1956-57	
	<u>With- drawals</u>	<u>% of Enroll.</u>	<u>With- drawals</u>	<u>% of Enroll.</u>
First Week			24	0.44%
Second Week			33	0.60%
Total First Two Weeks	50	1.08%	57	1.04%
3 - 4 Weeks	52	1.12%	64	1.17%
5 - 8 Weeks	69	1.49%	77	1.40%
9 - 16 Weeks	<u>83</u>	<u>1.79%</u>	<u>111</u>	<u>2.02%</u>
Totals	<u>254</u>	<u>5.49%</u>	<u>309</u>	<u>5.63%</u>

GRADE POINT AVERAGE SUMMARIES**ACADEMIC YEAR****1956-57**

COMPARATIVE SUMMARY OF GRADE-POINT AVERAGES

Fall Semesters, 1955-56 and 1956-57

	<u>Fall 1955-56</u>	<u>Fall 1956-57</u>
*All University Average	1.4208	1.3886
*All University Men	1.3485	1.3077
*Civilian Men	1.3252	1.2551
*Veteran Men	1.3890	1.4033
*All University Women	1.6074	1.5934
*Civilian Women	1.6041	1.5942
*Veteran Women	1.9265	1.5405

*Averages exclude Graduate School, College of Law, and Non-degree.

SCHOLARSHIP STANDING BY CLASSES
(Excluding Graduate School and College of Law)

	<u>Fall 1955-56</u>	<u>Fall 1956-57</u>
Freshman Class Average	1.1923	1.1646
Men	1.1272	1.0450
Women	1.3568	1.4218
Sophomore Class Average	1.3871	1.3888
Men	1.3015	1.2958
Women	1.6256	1.6562
Junior Class Average	1.6445	1.6039
Men	1.5755	1.5482
Women	1.8165	1.7546
Senior Class Average	1.8245	1.8108
Men	1.7502	1.7513
Women	2.0173	2.0098
Unclassified Student Average	1.4791	1.3477
Men	1.4294	1.5085
Women	1.5704	1.1076
Non-degree Student Average	1.2231	1.4501
Men	1.0744	1.2663
Women	1.5449	1.6925

SCHOLARSHIP STANDING BY COLLEGES

	<u>Fall 1955-56</u>	<u>Fall 1956-57</u>
Arts and Sciences	1.5411	1.5137
Men	1.4477	1.4096
Women	1.7531	1.7412
Business Administration	1.2184	1.1977
Men	1.1894	1.1970
Women	1.3756	1.2009
Education	1.6021	1.5941
Men	1.5205	1.5081
Women	1.6583	1.6436
Engineering	1.4651	1.4219
Men	1.4682	1.4194
Women	1.1698	1.5789
Fine Arts	1.6052	1.5215
Men	1.6131	1.4709
Women	1.6004	1.5480
General	0.8767	0.8928
Men	0.8494	0.8686
Women	1.0041	1.0811
Graduate School	2.2644	2.2820
Men	2.2538	2.2452
Women	2.2978	2.4405
Law	1.3183	1.2482
Men	1.3274	1.2067
Women	1.0938	1.8026
Nursing	1.4132	1.4206
Women	1.4132	1.4206
Pharmacy	1.3603	1.2372
Men	1.3157	1.2036
Women	1.6269	1.5000

SCHOLARSHIP STANDING*
NON-FRATERNITY AND FRATERNITY GROUPS

	<u>Fall 1955-56</u>	<u>Fall 1956-57</u>
Unaffiliated Men	1.3539	1.3079
Fraternity Men	1.3270	1.3065
Fraternity Actives	1.3400	1.3714
Fraternity Pledges	1.2989	1.1649
Unaffiliated Women	1.5445	1.5170
Sorority Women	1.6894	1.7223
Sorority Actives	1.7888	1.7896
Sorority Pledges	1.5144	1.6065

*Excluding Graduate School, College of Law, and Non-degree.

CUTTING SCORES BY COLLEGE AND CLASS
 BASED ON SCHOLARSHIP INDEXES OF FULL-TIME MALE STUDENTS
 SEMESTERS I & II, 1956-57 ACADEMIC YEAR

<u>College and Class</u>	<u>Upper One-fourth of Class</u>	<u>Upper One-half of Class</u>	<u>Upper Two-thirds of Class</u>	<u>Upper Three-fourths of Class</u>
ARTS AND SCIENCES				
Freshman		1.0746	0.8966	0.7308
Sophomore		1.3333	1.1034	0.8966
Junior		1.6296	1.3571	1.2333
Senior	2.2727	1.8286	1.4193	1.2000
BUSINESS ADMIN.				
Freshman		0.7931	0.6000	0.4583
Sophomore		1.2258	1.0968	1.0000
Junior		1.2000	1.0000	1.0000
Senior	2.0000	1.7000	1.4000	1.3438
EDUCATION				
Freshman		1.1176	0.9643	0.8276
Sophomore		1.4375	1.3438	1.2727
Junior		1.4138	1.3103	1.2400
Senior	2.1034	1.8000	1.6364	1.5000
ENGINEERING				
Freshman		1.2702	1.0000	0.8846
Sophomore		1.4138	1.1333	1.0645
Junior		1.5517	1.2778	1.1818
Senior	2.2702	1.8235	1.5121	1.4324
FINE ARTS				
Freshman		1.3235	1.1667	1.0690
Sophomore		1.8929	1.4815	1.2692
Junior		1.5000	1.3438	1.2000
Senior	1.6667	1.6451	1.6250	1.5000
GENERAL				
Freshman		0.7600	0.5769	0.4444
Sophomore		1.0000	0.8667	0.7857
LAW				
First Year		1.1333	0.8667	0.8333
Second Year		1.3704	1.2333	1.1429
Third Year	1.7692	1.4333	1.1481	1.1154
PHARMACY				
Freshman		0.8438	0.3125	0.2903
Sophomore		0.9600	0.8571	0.7097
Junior		1.7741	1.7143	1.6897
Senior	1.7188	1.2813	1.1563	1.1333

DEGREES CONFERRED

DEGREES, DIPLOMAS, AND CERTIFICATES CONFERRED

Year	Earned Degrees				Total Earned Degrees	Honorary Degrees	Two-Year Certificate and Diplomas
	Bachelor's	Master's	Law	Doctor's			
1901-47	3436	632		2	4070	46	130
1948	466	59		2	527	1	4
1949	628	72		2	702	1	76
1950	924	116	27	5	1072	1	64
1951	780	122	39	11	952	1	53
1952	613	138	23	11	785	3	41
1953	468	138	19	10	635	3	32
1954	434	132	7	6	579	4	43
1955	450	111	17	10	588	3	53
1956	475	125	15	10	625	3	52
1957	489	114	19	16	638	2	68
Totals	<u>9163</u>	<u>1759</u>	<u>166</u>	<u>85</u>	<u>11173</u>	<u>68</u>	<u>616</u>

DEGREES CONFERRED BY COLLEGES

College of Arts and Sciences

Year	<u>B. A.</u>	<u>B. S.</u>	<u>B. B. A.</u>	<u>Total</u>
1901-47	1309	366	63	1738
1948	127	33	8	168
1949	159	57		216
1950	231	85		316
1951	168	68		236
1952	138	51		189
1953	91	39		130
1954	98	46		144
1955	77	52		129
1956	110	44		154
1957	<u>94</u>	<u>52</u>		<u>146</u>
Totals	<u>2602</u>	<u>893</u>	<u>71</u>	<u>3566</u>

Degrees Conferred by Colleges - Continued

College of Education

<u>Year</u>	<u>B. A. in Educ.</u>	<u>B. S. in Educ.</u>	<u>B. S. in P. E.</u>	<u>B. S. in I. A. Educ.</u>	<u>Total</u>
1929-47	714	352	65		1131
1948	51	32	21		104
1949	61	39	17	2	119
1950	110	53	23	4	190
1951	83	79	37	6	205
1952	70	68	18	10	166
1953	44	56	22	7	129
1954	41	47	19	6	113
1955	39	48	23	9	119
1956	37	65	19	13	134
1957	<u>43</u>	<u>60</u>	<u>19</u>	<u>8</u>	<u>130</u>
Totals	<u>1293</u>	<u>899</u>	<u>283</u>	<u>65</u>	<u>2540</u>

College of Engineering

<u>Year</u>	<u>B. S. in Arch E.</u>	<u>B. S. in Ch. E.</u>	<u>B. S. in C. E.</u>	<u>B. S. in E. E.</u>	<u>B. S. in I. A.</u>	<u>B. S. in M. E.</u>	<u>Misc.</u>	<u>Total</u>
1910-47		17	196	152		122	15	502
1948			30	25	1	55		111
1949		9	61	42	3	31		146
1950		19	63	60	8	58		208
1951	11	14	39	29	13	43		149
1952	11	7	38	28	7	25		116
1953	10	14	33	15	6	10		88
1954	9	5	18	14	12	17		75
1955	8	5	24	23		19		79
1956	8	8	24	20		18		78
1957	<u>7</u>	<u>14</u>	<u>26</u>	<u>33</u>	<u>—</u>	<u>29</u>	<u>—</u>	<u>109</u>
Totals	<u>64</u>	<u>112</u>	<u>552</u>	<u>441</u>	<u>50</u>	<u>427</u>	<u>15</u>	<u>1661</u>

Degrees Conferred by Colleges - Continued

<u>Year</u>	<u>College of Fine Arts</u>					<u>Total</u>
	<u>B. F. A. in Art</u>	<u>B. F. A. Dram. Art</u>	<u>B. F. A. Music</u>	<u>B. F. A.</u>	<u>B. A. in F. A.</u>	
1937-47	37	12	15	1		65
1948	19	3	3	1		26
1949	24	3	6			33
1950	36	9	7			52
1951	30	11	13	1		55
1952	22	6	7			35
1953	19	6	7		1	33
1954	14	9	8			31
1955	15	1	9			25
1956	11	8	11			30
1957	<u>14</u>	<u>2</u>	<u>5</u>	<u>—</u>	<u>—</u>	<u>21</u>
Totals	<u>241</u>	<u>70</u>	<u>91</u>	<u>3</u>	<u>1</u>	<u>406</u>

College of Business Administration

<u>Year</u>	<u>B.B.A.</u>
1948	57
1949	88
1950	130
1951	112
1952	82
1953	61
1954	58
1955	85
1956	63
1957	<u>64</u>
Total	<u>800</u>

Degrees Conferred by Colleges - Continued

College of Pharmacy

<u>Year</u>	<u>B. S.</u>
1949	26
1950	28
1951	23
1952	25
1953	27
1954	13
1955	13
1956	16
1957	<u>19</u>
Total	<u>190</u>

College of Law

<u>Year</u>	<u>LL. B.</u>
1950	27
1951	39
1952	23
1953	19
1954	7
1955	17
1956	15
1957	<u>19</u>
Total	<u>166</u>

Graduate School

<u>Year</u>	<u>M. A.</u>	<u>M. S.</u>	<u>M. Mus.</u>	<u>M. B. A.</u>	<u>M. Mus.Ed.</u>	<u>Ph.D.</u>	<u>Total Earned Degrees</u>	<u>Honorary Degrees</u>
1917-47	566	65	1			2	634	46
1948	50	9				2	61	1
1949	52	19		1		2	74	1
1950	88	25	1	2		5	121	1
1951	88	33		1		11	133	1
1952	102	34	2			11	149	3
1953	95	39	2	2		10	148	3
1954	107	20	4	1		6	138	4
1955	86	23	1	1		10	121	3
1956	95	26	3		1	10	135	3
1957	<u>83</u>	<u>29</u>	<u>—</u>	<u>2</u>	<u>—</u>	<u>16</u>	<u>130</u>	<u>2</u>
Totals	<u>1412</u>	<u>322</u>	<u>14</u>	<u>10</u>	<u>1</u>	<u>85</u>	<u>1844</u>	<u>68</u>

THE REPORT OF THE UNIVERSITY COUNSELING AND TESTING SERVICES

July 1, 1956 - June 30, 1957

A. A. Welck, Director

The work of the University Counseling and Testing Services may be roughly divided into the following parts: (1) group testing, (2) individual testing and counseling, (3) research, (4) test scoring services, (5) consulting work, (6) remedial reading, (7) community services, and (8) the work of the division of Veterans Affairs.

Group Testing

The group testing work may be further divided into two parts. One part deals with the tests that are sponsored by the University, and the other part with the tests that are sponsored by outside agencies, such as the Educational Testing Service. The University of New Mexico sponsors the following tests:

- a. The placement and psychological examinations given at the beginning of each school session. Thirteen hundred and ninety-five (1395) freshmen and three hundred and forty-six (346) transfer students took these examinations this past year. These examinations consist of the following:
 - 1) The A.C.E. Psychological Examination for the College Students, 1954 edition.
 - 2) Cooperative English Test, Higher Level.
 - 3) University of Nebraska Mathematics Classification Test
 - 4) Pre-Engineering Abilities Test.
- b. The English Proficiency Examination

c. The Graduate Record Examination for both seniors and graduate students

d. The National Teachers Examination

The English Proficiency Examination is now required by each of the following colleges: Arts and Sciences, Business Administration, Education Engineering, Fine Arts, and Nursing. The College of Pharmacy does not require this examination but it is expected to do so soon. Eleven hundred and thirty-four (1134) students took this examination this past year.

The nature, or composition and organization, of the Graduate Record Examination for college seniors changed in the fall of 1954. The new examination consists of general area tests. These areas include the humanities, the social sciences, and the natural sciences. The examination takes four hours of actual testing time. The advanced tests in the field of the student's specialization remain the same. They take three hours of testing time. The cost is \$5.00 per student if he takes both tests, or \$3.00 if he takes only one test. There are no advanced tests in business, anthropology, journalism, and a few other fields. Four hundred and seventy-six (476) seniors took the G. R. E. this past year.

The National Teachers Examination has been taken by the graduating seniors in the College of Education. This test costs \$7.00 per student. Thirty-eight (38) students took the N. T. E. In the spring of 1957 the College of Education discontinued the requirement of the N. T. E. and has joined the other colleges in requiring the Graduate Record Examination.

Graduate students take the Graduate Record Examination, which consists of the Graduate Aptitude Test and an Advanced Test in the field of the student's specialization. The cost for these two tests

is \$5.00 per student and the expense is borne by the student. One hundred and fifty-two (152) graduate students took the G. R. E. this past year.

The Statewide Tests for High School Juniors are now sponsored jointly by the University of New Mexico, the New Mexico College of Agriculture and Mechanic Arts, New Mexico Western College, New Mexico Highlands University, Eastern New Mexico University, and New Mexico Institute of Mining and Technology. The cooperating institutions contributed \$2,667.56 toward the support of this testing program this past year. The number of high school students tested is increasing each year. In the fall of 1953 there were 6912 students tested; in 1954, 7545; in 1955, 7787; and in 1956, 9013.

A good many tests are administered each year for the Educational Testing Service. The most important of these are the Admission Test for Graduate Study in Business, College Entrance Examination Board, Law School Admission Test, Medical School Admission Test, Navy College Aptitude Test, Professional Qualification Test, and the Graduate School Selection Test. Fees received for the administration of these tests are deposited with the Comptroller. This past year \$243.91 was so deposited.

The USAFI tests of General Education are still being administered each month to young people who have not graduated from high school and who are twenty-one or more years old. Two hundred and twenty-one (221) people took this battery of five tests this past year. Employers are insisting upon a high school education or its equivalent so the number of people who will take this test will continue to be high. Some of these people qualify for admission to the University.

Individual Testing

Students come in for individual testing and counseling when they are uncertain as to a vocational or educational objective. Approximately 175 such students took a complete battery of tests this past year. More than twice this number came in for counseling but did not have to take any tests other than those taken at time of admission. There is, also, a great demand for this type of service from adults in the community. Sandia Base and Kirtland Field are sending increasing numbers of people to this office for assistance but due to the fact that we do not have the staff to take care of these people, they are being turned away.

Present facilities for offering this service to students as well as to outsiders are inadequate. At least one more full time counselor is urgently needed.

Research

When a survey of this institution was made by the North Central Association a few years ago, it was found that this office had made about the only institutional studies available. The titles of some of these studies made during the past year follow:

1. A study of the Achievement of the Various Colleges of the University of New Mexico on the Area Tests of the Graduate Record Examination, 1954-56. Welck
2. The Achievement of the Various Colleges on the English Proficiency Examination. Welck
3. The Gifted Student. Welck

The Counseling and Testing Services has a wealth of information at its disposal which could be gathered together in the form of studies if it had the necessary personnel available. The material gathered together relating to the Gifted Student was well received. The Albuquerque schools alone asked for and received permission to reproduce several

hundred copies of this report.

Test Scoring Services

The University Counseling and Testing Services has scored objective tests for a few public schools, agencies, and individual faculty members. This service to outside groups is being curtailed because of insufficient funds, but faculty members are making increased use of this service.

Consulting Work

Hardly a week passes without the Counseling and Testing Services receiving a request from some institution, agency, or person for assistance in planning a testing program or in the selection of personnel. No charge is made for these services. Graduate Students, faculty members, and various administrative officers are also assisted when a request is made to do so. This past year the Counseling and Testing Services assisted the State Highway Department in setting up an in-service training program. The Navajo Tribal Council was also assisted in selecting many of its people for scholarships.

Remedial Reading

Mrs. Gene Chievitiz, who is our reading specialist, is being called upon more and more to give individual assistance to college students who have reading difficulties. Almost all of these cases require weekly conferences extending over several months. The requests that are being made upon her by parents of children who are having difficulties are greater than she can handle. These people are now being turned away but not without counseling. She should have one full time assistant.

This next year group methods will be substituted more and more for individual assistance.

Community Services

The Director of Counseling and Testing Services is a public representative on the New Mexico State Apprenticeship Council. He also serves on the State Coordinating Council for Colleges and Secondary Schools.

The Director is being called upon to give talks to service clubs, PTA Organizations, school faculties, etc. Twenty-seven such talks were given this past year and about an equal number of requests were declined.

Veterans Affairs

Mr. N. S. Stout, the Director of Veterans Affairs, has one full time assistant.

A great deal of individual counseling with veteran students is carried on by the Veteran Affairs Officer and his assistant. Most of this counseling is in connection with the veteran's training program before it is started, selection of courses, change of programs, change in place of training, problems pertaining to withdrawal, and personal problems of the veteran. Well over one hundred such cases are counseled by this office each month.

During semester I, 1956-57 there were 1211 veterans and war orphans enrolled and for semester II, 1956-57 there were 1163. It is believed that the veteran enrollment for the coming school year of 1957-58 will decrease only slightly. The big decrease will start after 1958.

Each veteran must come to this office at the end of each month and complete a monthly certification form for pay roll purposes. The University is paid by the Federal Government for the monthly certification. For the fiscal year 1956-57 these fees amounted to a total of \$10,595.00. Last year, 1955-56, the total was \$9,277.00.

Professional Activities

Member of Coordinating Council of Secondary Schools and Colleges for New Mexico.

President, New Mexico Chapter of N.V.G.A., 5 years.

President, New Mexico Chapter of A.P.G.A., 3 years.

Member of Program Committee, State Testing Leaders Conference, 3 years.

American College Personnel Association Delegate to the American Personnel and Guidance Association Assembly 1955-56, and 1956-57.

Delegate to the Assembly of the National Vocational Guidance Association, 1955-56, 1956-57, and 1957-58.

Member of Professional Standards Committee of A.C.P.A. 1957-58.

State Membership Chairman for A.C.P.A. and A.P.G.A.

Member of Publicity Committee of A.P.G.A., 1956-57 and 1957-58.

Member of Academic Council of Western Personnel Institute, 6 years.

Recommendations

The following additions should be made to the staff of the Counseling and Testing Services as soon as funds are available:

1. A full time qualified vocational and personal counselor.
2. A second remedial reading specialist.
3. The General Placement Bureau, which is now housed in the same quarters with the Counseling and Testing Services, should be transferred to more suitable rooms. We need the space they now occupy and they need more space than they now have.

The Report of the General Placement Bureau
July 1, 1956 - June 30, 1957
Warren F. Lee, Director

INTRODUCTION

The intense search for the recent college and university graduates is unabated. Increased competition for this type of personnel among industrial, commercial and governmental organizations is reflected by the tremendous increase in the number of our recruitment visitations and interviews. In 1950, seventy-six (76) organizations recruited here at the University of New Mexico, conducting 290 interviews. This past school year, 1956-57, 173 different organizations were represented on the campus. They scheduled 245 interview days and conducted 2467 interviews, an average of approximately 8 interviews per registrant. Several seniors were interviewed by more than 40 different company representatives. As a result of their interviews, our applicants received an average of five offers of employment.

The growth in company representation and number of interviews conducted during the past six years has resulted in a space utilization increase of more than 800%.

It should be noted that in addition to the companies scheduling campus visitations, the Bureau is in constant contact with more than 200 organizations that do not send recruiters to the University.

PART I
FULL TIME EMPLOYMENT

A. Notes.

Recruiters and company representatives visited us from 27 states and the District of Columbia. Of these, 88 came from California, a greater number than from any other state. Our neighboring state of Texas was second with 64 visitors, and New Mexico third with 57. Ten or more company representatives visited us from Arizona, Colorado, District of Columbia and Oklahoma. In addition, representatives visited us from the following states: New York, Pennsylvania, Washington, Missouri, New Jersey, Illinois, Delaware, Georgia, Kansas, Connecticut, Indiana, Maryland, Minnesota, Utah, Alabama, Louisiana, Michigan, Nevada and Oregon.

There was a very close correlation between the number of recruiters that visited us from the various states and the number of graduating seniors accepting employment in those states.

College and university recruitment is reputed to be one of the most inexpensive methods of obtaining technical and professional personnel. Even so, it costs the major national firms between \$1500 and \$1800 to recruit one graduating senior.

The University of New Mexico was visited this year by an excellent cross section of the nation's business, industrial and governmental organizations. The prospects for next year look even better.

NUMBER OF RECRUITING ORGANIZATIONS REPRESENTING
THE VARIOUS TYPES OF ACTIVITY

1.	Federal, State and Municipal Government	35
2.	Petroleum Production and Service Groups	27
3.	Electronic Equipment, Systems and Service Companies	23
4.	Chemical and Allied Companies	17
5.	Aircraft Companies	16
6.	Retail and Wholesale Sales Organizations.	12
7.	Ferrous Metals Production, Fabrication & Manufacturing.	10
8.	Non-ferrous Metals Mining & Manufacturing Companies	8
9.	Public Utility Companies	5
10.	Research Organizations	5
11.	Insurance Companies.	5
12.	Local Prime Contractors to the A. E. C.	3
13.	Service Groups (Boy Scouts, etc.).	3
14.	Institutions of Higher Learning	2
15.	Investment Firms	1
16.	Public Accounting Firms.	1

TOTAL ORGANIZATIONS RECRUITING ON CAMPUS

173

The Bureau was directly responsible for 155 known full-time placements, 88 technical* and 67 non-technical. This figure probably represents approximately 75% of those actually placed by the Bureau. Many of our applicants unfortunately neglect to keep us informed regarding the success that they may have had with the leads that they obtained from us.

Impending service obligations continued to keep some of our graduating seniors from utilizing our facilities. At least 26 of our June graduates notified us of their intent to enter the service immediately after graduation. Many of our students, even though they plan to go on to graduate school, utilized the Bureau's facilities in order to gain a better insight into the employment situation or to find summer employment. Forty-eight of our applicants planned to attend graduate school.

*The term technical in this report refers to all engineering and natural science majors.

B. Technical Placement.

1. Salaries:

The technical graduates continue to command the highest starting salaries. The range of salaries offered was quite wide, from \$4400 per year to \$14,400 per year. The demand for graduating seniors with a technical background was high except for those graduates who majored in geology. Companies engaged in geological or geophysical work, because of the increased use of technical equipment and scientific techniques, are seeking graduates who have had math through calculus and a background of physics.

TECHNICAL SALARIES

ENGINEERING:

B.S.

Range of Salary Offered	\$373 to \$700 per Month
Average Salary Offered	\$471.59 per Month
Average Salary Accepted	\$478.67 per Month

M.S.

Range of Salary Offered	\$445 to \$1200 per Month
Average Salary Offered	\$590 per Month
Average Salary Accepted	- Insufficient data

NON-ENGINEERING:

B.S.

Range of Salary Offered	\$373 to \$500 per Month
Average Salary Offered	\$443.19 per Month
Average Salary Accepted	\$458.70 per Month

*M.S.

Range of Salary Offered	\$450 to \$700 per Month
Average Salary Offered	\$492.50 per Month
Average Salary Accepted	\$505.00 per Month

*PhD

Range of Salary Offered	\$657 to \$780 per Month
Average Salary Offered	\$713.50 per Month
Average Salary Accepted	\$725.50 per Month

*Not true averages - Data insufficient.

2. Placement According to Geographic Location:

Our technical graduates accepted employment in 19 states, the District of Columbia, and one foreign country. The large number of our graduating seniors who accepted employment outside of the state of New Mexico, and even the general vicinity of the Southwest, was surprising. More of our technical graduates were attracted to California than to any other state. New Mexico was a close second. Texas was third, attracting half of California's number.

TECHNICAL PLACEMENTS
by
GEOGRAPHIC LOCATION

California	24
New Mexico (Albuquerque 22) . .	23
Texas	12
Colorado	3
Washington	3
Delaware	2
District of Columbia	2
Louisiana	2
Missouri	2
New York	2
Oklahoma	2
Pennsylvania	2
Utah	2
Arizona	1
Georgia	1
Illinois	1
Indiana	1
Montana	1
Oregon	1
Venezuela	1
TOTAL	<hr/> 88

3. Placement According to Activity:

It is interesting to compare the number of placements made in several fields of activity this year with those placed in the same fields last year. The aircraft industry attracted over a third of our technical graduates. The 29 people that were employed by aircraft firms

represent three times the number that were placed with this industry last year. The local prime contractors to the Atomic Energy Commission doubled the number of our technical graduates that they employed. Companies comprising the electronic and communications group more than doubled the number that they employed. The petroleum industry, which attracted more technical graduates than any other industry last year, has dropped to third place.

TECHNICAL PLACEMENTS
by
INDUSTRY

<u>Industry</u>	<u>A.E.</u>	<u>Ch.E.</u>	<u>C.E.</u>	<u>E.E.</u>	<u>M.E.</u>	<u>Chem</u>	<u>Geol</u>	<u>Math</u>	<u>Phvs</u>	<u>Total</u>
Aircraft	2	1	1	8	14			3		29
Local Prime Cntrs.	1	1	2	6	6				1	17
Petroleum		3		1	2	1	3	1		11
Electronics & Allied			1	1	5	1			1	9
Chemical & Allied		6	1		2					9
Government										
Federal		1	3							
State			2							
Local			1							7
Utilities				2						2
Non-Ferrous Metals		1					1			2
Higher Education						1				1
Contractors			1							1
TOTALS	3	13	12	18	29	3	4	4	2	88

4. Factors Influencing Employment Decisions:

As in the past few years, location, interest in the type of work offered, and opportunity for advancement were very important influences on the employment decisions of the technical graduates. Nevertheless, it is quite evident that, everything else being equal, salary was often the main consideration. The technical graduate considered company reputation and benefits more seriously this year than last. This reflects the thinking of many of our older students who have family responsibilities.

TECHNICAL PLACEMENT DECISION FACTORS

1. Location
2. Interest in Type of Work Offered
3. Salary
4. Opportunity for Advancement
5. Company Reputation
6. Benefits
7. Possibility of Additional Formal Education
8. Working Conditions
9. Job Security
10. Size of Organization

C. Non-Technical Employment.

Graduating seniors who majored in the non-technical courses continued to find excellent positions in commerce, industry, and government. These people are more likely to find their opportunities, not as the result of specific training that they may have had, but because they possess desired potential and pleasing personalities.

1. Placement According to Geographic Location:

Local placements here in Albuquerque were well ahead of state or out-of-state placements. This situation results in part from a desire of a large number of local business establishments to bring young college-trained personnel into their organizations. In addition, many of our non-technical applicants wish to remain in the Albuquerque area. Nevertheless, the number of our non-technical graduates accepting employment in out of state areas is increasing. These people were placed in 8 states and the District of Columbia.

NON-TECHNICAL PLACEMENTS
by
GEOGRAPHIC LOCATION

New Mexico (Albuquerque 42)	46
California	6
Texas	5
Colorado	3
Illinois	2
Minnesota	2

Maryland	1
New York	1
Washington, D. C.	1

TOTAL 67

2. Placement According to Activity:

Our non-technical registrants were placed with organizations representing many types of activity. Opportunities in the field of sales, however, were greater than in any other form of endeavor. Even so, it is interesting and gratifying to note that technical firms employed a number of our non-technical applicants.

NON-TECHNICAL PLACEMENTS
by
INDUSTRY

<u>Industry</u>	<u>Accounting</u>	<u>Sales</u>	<u>Other</u>	<u>Total</u>
Office Machines	1	5		6
Government				
Federal			1	
County	1			
City	1			5
Local Prime Contractors	2		3	5
Petroleum	1		4	5
Insurance		4		4
Paper Suppliers		3		3
Department Stores		2		2
Electronic & Allied Fields	1		1	2
Higher Education			2	2
Iron and Steel			2	2
Public Accounting	2			2
Publishers		1	1	2
Aircraft			1	1
Automotive Distributors	1			1
Chemical & Allied Fields		1		1
Construction Supplier			1	1
Dairy	1			1
Non-Ferrous Metals	1			1
 TOTAL NON-CLERICAL	 <u>14</u>	 <u>16</u>	 <u>16</u>	 <u>46</u>
TOTAL CLERICAL				21
				<u><u>67</u></u>
TOTAL NON-TECHNICAL PLACEMENTS				67

3. Factors Influencing Employment Decisions:

The factors influencing the employment decisions of our non-technical graduating seniors were very similiar to those influencing the decisions of the technical graduates. Our non-technical graduates seemed to place more emphasis on the opportunities for advancement than our technical people. On the other hand, the technical graduates considered starting salary to be more important than the non-technical applicant.

NON-TECHNICAL PLACEMENT
DECISION FACTORS

- 1. Location
- 2. Interest in type of Work Offered
- 3. Opportunity for Advancement
- 4. Salary
- 5. Reputation of Company
- 6. Company Benefits
- 7. Working Conditions
- 8. Opportunity of Additional Formal Education
- 9. Job Security
- 10. Size of Organization

4. Salaries:

While in general our non-technical graduates did not receive as attractive starting salaries as our technical graduates, the potential yearly earnings of the non-technical graduates is as high, and in many cases higher. Almost unbelievable salaries can be earned in some of the better sales positions; in fact, one of our recent graduates who took a position in the field of insurance wrote between 1/2 and 3/4 million dollars worth of insurance his first year. Recent graduates, however, are reluctant for the most part to consider sales jobs, especially those involving commission type salaries, although more experienced salesmen seem to prefer to work on a commission basis. The following table of salary ranges and averages does not include the salaries of those of our graduates who did accept commission sales jobs.

NON-TECHNICAL SALARIES

B.A. - B.S.

Range of Salary Offered	\$306-\$600 per Month
Average Salary Offered	
Business	\$381.34 per Month
Accounting	\$360.00 per Month
Liberal Arts	\$370.00 per Month
Average Salary Accepted	
Business	\$396.40 per Month
Accounting	\$385.00 per Month
Liberal Arts	\$375.00 per Month

M.A. - M.S.

Range of Salary Offered	\$306-\$525 per Month
Average Salary Offered	
Business	\$467.20 per Month
Accounting	\$422.28 per Month
Liberal Arts	\$400.00 per Month
Average Salary Accepted	
Business	\$467.50 per Month
Accounting	\$450.00 per Month
Liberal Arts	\$400.00 per Month

PART II

PART-TIME EMPLOYMENT

A. General.

More than 1357 part-time positions, including the student aid positions, were filled through the Bureau. Of these placements, 1113 were classified as non-student aid positions. Despite the fact that there were approximately 10% more job orders this year than last, 150 fewer non-student aid jobs were filled this year. Student rebellion against any position paying less than \$1.00 per hour is a partial explanation. In addition, students often complain that the cost of transportation, private or public, prohibits their taking employment in certain sections of the city. Even on campus there were a number of openings in the Student Union and the dining halls that, because of the low hourly wages offered, were filled with great difficulty. Despite some discouraging aspects of part-

time employment, our students earned more in wages this year than last. Over \$200,000 was earned by students participating in the part-time employment program during the past year. The average hourly wage for all job orders listed with the Bureau was just over \$1.00 per hour. The monthly wage averaged \$70.00. The average amount earned by each of these people for the entire year was \$150.00; hence, each participant worked an average of just over two months during the entire year. The above figures are quite high, in view of the many baby-sitting, yard jobs, and other employment of a temporary nature that is included in these statistics.

Among the job orders the Placement Bureau received during the year were calls for a macaroni stacker, a left-over cookie counter, a goat herder, a boot molder, taxi drivers in Chicago, a baby sitter for nine Siamese cats, and a feminine, chuck wagon motor scooter lunch salesman for a route servicing construction workers.

B. Student Aid.

Forty-three university departments were allotted student aid during the past year. To date, 21 of these departments have requested additional student aid help for the coming fall semester. Last year the departments were allotted 3974 hours per month. This year they are seeking 4984 hours per month; this would mean an increase of 1010 hours per month. Most of the department heads seeking increases in student aid allotments attributed their need to a heavier office work load which has automatically resulted from a larger student enrollment.

STUDENT AID STATISTICS
1956-57

Summer 1956

21 Students Employed
1550 hours worked
\$1162.50 paid in wages

Semester I 1956-67

112 students employed
17703 hours worked
\$13,277.25 paid in wages

Semester II 1956-57

111 students employed
15896 hours worked
\$11,922.00 paid in wages

TOTAL HOURS WORKED 35,149

TOTAL WAGES PAID \$26,361.75

PART III

A. Allied Activities.

1. Industrial Relations:

The Bureau's relations with the industrial firms with which we work are excellent. The success of our former students as employees of these companies, as well as the courtesy and friendliness that industrial representatives continually experience in their dealings with the members of the University family, has enhanced our school's reputation and prestige during the past year. The Director was privileged to visit and inspect the facilities of several industrial concerns. They were: Procter & Gamble, Dallas, Texas; Boeing Airplane Company, Seattle; Lockheed Missile Systems Division, Sunnyvale, California; Kennecott Copper Corporation, Hurley, New Mexico; and El Paso Natural Gas Corporation, El Paso, Texas.

2. High School Visitations:

The Bureau participated in the high school visitation program under the direction of the Student Affairs office. During the months of March and April the Director took part in 17 high school college day programs and made 11 high school courtesy calls. The purpose of this activity is to be of service to the New Mexico high school authorities in assisting them to help their students plan their educational futures. The high school girls with whom the Director spoke showed much interest in our school of nursing and our secretarial and home economics courses. The high school boys were especially interested to learn more about our engineering, natural science, business administration and physical education courses.

B. Miscellaneous Information.

1. Personnel and Position Changes:

Mrs. Verne Melton resigned her position as half-time secretary on 15 January, 1957, in order to return to the Chicago, Illinois area. Mrs. John Sims joined the Bureau's staff as the half-time secretary on January 17, 1957. The status of Mrs. Sims' position was changed from half-time to three-quarters time secretary on 1 April, 1957.

2. Observations:

The Bureau's staff is extremely grateful for the much needed space that is being provided in T-10 for the General Placement Bureau's new quarters. We are looking forward to providing a greater service to the University's faculty, administration, students, and alumni, and to company representatives.

C. Recommendations.

1. Relations with the West Coast industrial firms should be

strengthened during 1957-58. One-third of our technical graduates were placed in Pacific Coast locations. Hence, more attention should be paid to these firms in order to develop and maintain long term working relations with them. Representation at the January meeting of the Western Placement Conference, which is to be held in Portland, Oregon, would be an important step in this direction.

2. Merger of the General and Teacher Placement Bureaus into a centralized placement service is desirable. The existence of two Placement Bureaus on our campus is not only economically unsound but confusing to the students and general public. A central Bureau would be able to devote its full attention to the applicants from the College of Education and keep them fully informed regarding all of the foreign and domestic teaching opportunities for which they are qualified. Such an arrangement would in no way prevent the College of Education from looking after the well-being of its students. The faculty of the College would have complete access to all records and services of the Bureau.

3. The installation of one-session seminars for graduating seniors from the various colleges of the University is suggested. These seminars would serve to introduce the students to and stimulate their interest in the nation's industrial, commercial and governmental organizations. These meetings would assist seniors in preparing intelligent and effective personal data summaries. In addition, the student would be helped in planning job hunting campaigns and learning interviewing techniques.

4. An increase in the wage rate for student workers on campus has become essential. Higher wages would certainly be more meaningful to those who need to work in order to stay in school. The student wage rate has not kept pace with the inflationary cost of education. In order to

meet expenses, many of our needy students have had to work off campus and take employment for long hours. Often, as the result of the longer hours consumed in off campus positions, there is little time for serious study. At this point, we may well be helping contribute to broken academic careers. It might be wise, therefore, to consider increasing the campus wage rate from \$.75 to \$1.00 per hour. This action should especially be taken in the student aid positions, even if it should mean cutting the total number of hours allotted to meet budget requirements. Any consideration that is given to the above recommendations will be sincerely appreciated.

D. Conclusions.

Despite current economy drives and talks of disarmament, the competition for the services of the recent college graduate will continue to be very keen in the foreseeable future. The talks of cuts in government spending will not alter this situation, especially since the Federal Government is committed to a very high spending program for the next three to five years. It is very doubtful, even in five years, that a completely agreeable disarmament arrangement can be reached with the Soviet Union. In any event, recent technological advancement has whetted the American appetite for scientific adventure. The public hopes to see the frontiers of space and time pushed back. Great sums of money must and will be provided for these ventures. The American consumer, in addition, will continue to demand time-saving utilities, more leisure, and a higher living standard in general. The character of our economic system seems to be one of endless dynamic expansion. Therefore, in view of the above suppositions, it seems logical to assume that an ever-increasing number of college and University graduates will be needed for years to come by those organizations which will make the present dreams a future reality.

The Report of the Student Health Service
July 1, 1956 - June 30, 1957
J. E. J. Harris, M. D., Director

From July 1, 1956 to June 30, 1957 over 3000 students, including freshmen and transfers, were examined. Re-examinations where such examinations were indicated were done on approximately 250 students. Teachers examinations and certificates were given to over 50 students. More than 6000 students reported to sick call and were treated on an out-patient basis. Colds and complications, allergies, injuries and gastro-intestinal upsets presented the greatest number of illnesses. Diathermy was given to 200 students; over 300 inoculations and vaccinations were given, including students of the College of Nursing. This spring we offered a Polio Clinic in conjunction with the Student Council. The first 2 inoculations were given at a cost of one dollar to the student. We feel this was a very worthwhile and successful project.

The number of students admitted to the Infirmary totaled 155, who remained for 615 days, or an average of 4 hospital days per patient. Some repairs and repainting were necessary this year in the reception room, bathrooms, kitchen, treatment room and entrance hallways. New drapes and fixtures were needed in the patients' rooms. Four new hospital beds were purchased to replace the army surplus cots we have been using. Our other facilities are fairly adequate. However, I recommend remodeling our basement as an emergency ward to take care of illnesses that may require strict isolation, or a large number of cases that may have to be handled at one time. I recommend the purchase of an x-ray unit to permit us to make our own 35 or 70 mm chest films,

which should be part of our routine physical examinations, and to make our own films for diagnosis of possible fractures.

The health insurance program instituted last year seems to have been of great assistance to the students. The misunderstanding on the part of some of the students as to benefits offered and the procedures to be followed in obtaining these benefits we feel will be alleviated to some extent by the presence of a representative from the insurance company on the campus, part time, to answer questions and give other assistance when needed.

We have been without a replacement for Dr. Hein, who left the Student Health Service in October. However, we expect Dr. Kimbrough to be here by the time the University opens for the regular fall session.

In addition to our routine responsibilities we take care of all emergencies arising on the campus, and all prospective employees receive physical examinations, with re-examinations annually and whenever necessary during the year. All food handlers receive routine annual examinations. Physical examinations are given to the entire football squad several weeks before the University is in session, as well as to participants in various activities during the year. In cooperation with the Air Force and Navy RCTC units, we give special examinations and inoculations to students in these departments.

Many students receive assistance in tuition and maintenance through our examinations and recommendations to the Vocational Rehabilitation Service. We have been able to assist a number of others who require special medical and surgical care which they are unable to finance through donation of services by our consultant staff of specialists.

The Report of the Student Personnel Office
July 1, 1956 - June 30, 1957

Lena C. Clauve, Dean of Women
Howard V. Mathany, Dean of Men

Personnel Office Staff: Lena C. Clauve, Dean of Women
Howard V. Mathany, Dean of Men
Marilyn Harton, Assistant Dean of Women
Eugene B. McCluney, Assistant Dean of Men
Elizabeth Elder, Assistant in the
Personnel Office
Marion Woodward, Secretary to the Dean of Men
Dorothy Pratt, Secretary to the Dean of Women

Mr. Merle Milfs, Assistant Dean of Men, who has been on leave since February, 1955, to do graduate work at the University of Southern California, accepted a position as Assistant Professor of Education at Fresno State College. Mr. Eugene B. McCluney, Assistant Dean of Men for the past year, resigned on July 1, 1957 to accept a position at Texas Christian University. Mr. Gerald Hubbard, a graduate of the University of Indiana, has been employed to replace Mr. McCluney. Mrs. Carol Williams Sallee resigned her position as Assistant Dean of Women on October 1, 1956. She was replaced by Miss Marilyn Harton. Miss Harton resigned as of July 1, 1957. Miss Mary Failing was employed on August 1, 1956 as the residence hall director of Hokona Hall. Mrs. Marion Woodward was employed as Secretary to the Dean of Men.

Student Housing. The completion of Hokona Hall in September of 1956 has eased the housing problem for women students. Housing for men students is becoming more and more critical. The availability of four dormitory barracks for the use of male students this fall will do little to alleviate the crowded conditions at Mesa Vista Dormitory. The anticipated construction of a new dormitory building will do much to relieve the housing shortage.

Fraternities and Sororities. Membership in social organizations has shown little change during the past several years. Approximately 800 students are

members of the Greek letter social organizations. Seven national sororities, all of whom own their own homes, are established on this campus. There are eleven national fraternities at the present time. Seven own their own homes, one rents, and the other three are without housing. Many letters are received each year from the main offices of national social groups inquiring as to the possibility of establishing chapters on this campus. Fraternity or sorority expansion is not contemplated at this time.

Student Loans. The breakdown on loans granted through the Personnel Office for the year ending June 30, 1957 is as follows:

Short term (15 day loans)	236 loans	\$3001.65
Mortar Board loan fund	44 loans	681.00
Rosenbaum loan fund	95 loans	6090.00
Rotary loan fund	58 loans	3985.50
Kiwanis loan fund	<u>46 loans</u>	<u>2787.00</u>
	179	16,555.15

Collections on loans made through the different loan funds has been exceptionally good.

Scholarships: The University scholarship program remains under the supervision of the committee on Scholarships and Prizes of the faculty. The Dean of Women and Dean of Men are ex-officio members of this committee. All awards made from appropriated University funds are made through the office of the Dean of Men. A summary of scholarships awarded during the 1956-57 academic year follows:

Semester I	1956-57
Tuition	187
Partial tuition (in state)	26
Partial tuition (out of state)	9
Grants in aid	150
	372

Semester II	1956-57	
Tuition		173
Partial tuition (in state)		23
Partial tuition (out of state)		11
Grants in aid		<u>139</u>
		346

The above summary does not include special scholarships or those awards granted by the Scholarships and Prizes Committee.

Other Responsibilities. Members of the Personnel Office serve as sponsors of the following organizations:

Town Club
 Phrateres
 Mortar Board
 Vigilantes
 Chakaa
 Blue Key
 Panhellenic
 Interfraternity Council
 World University Service
 Associated Women Students
 Alpha Phi Omega
 Spurs

With the expectation that the new Union Director will coordinate the extra-curricular activities of the campus, the Deans of Men and Women should be able to spend more time on student counseling and the supervision of fraternities, sororities, and dormitories.

The Report of the Alumni Association

July 1, 1956 - June 30, 1957

Winifred Reiter, Managing Director

The Alumni Association office rocked along routinely through the year. There were no major innovations, upheavals, or, except that we were always a month or two behind in the work, frustrations.

RECORDS

Record keeping occupied the full time of most of the staff.

More than 6200 addresses were added or changed in the mailing file, and three or four times that many were added, subtracted, or changed in the master and geographic files. Six hundred some new graduates were added to the class file.

During a general mailing regarding the Chapel fund, 18,000 letters were mailed. Of these, 1725 came back with new addresses, and 1095 came back marked "address unknown." These latter require "tracing," which is a complicated process that may not be finished until September. It requires the mailing of one or more return post cards, or one or more phone calls, or both, and probably in the end the dispatch of a first-class letter. About 2,000 such tracers were mailed out. There is almost a 100% return on them, but not always with the desired information.

Other record keeping detail was involved in the receipt of 338 responses to the mailing piece, and 590 membership renewals, most of which were accompanied by a note which required a personal answer.

All of these people receive an official University receipt and a letter from me. We do not use form letters, but how long we can continue to avoid them is problematical.

THE ALUMNUS MAGAZINE

Seven issues of the Alumnus Magazine were published in 1956-57. They were dated September, October-November, December, 1956, January, February-March, April-May, and June, 1957. The June issue did not go into the mail until after the close of the fiscal year.

Since each copy contains 32 pages, the total number of pages in the volume, No. 29 in the series, is 224. A hundred and twenty-nine illustrations were used.

Though most of the material is departmentalized and very short, 14 special articles were used, all but two of them written by me. One was contributed by Jim Crow, of the Department of Information, and another by a faculty member, Dr. Donald McKenzie.

Columns were contributed by Bob Wood, the sports publicist (5), Danny Zeff, his student aide, (1), Paul Sweitzer, a journalism student writing undergraduate opinion under the heading, "The Student View," (3) and Sandra Buergi, a journalism student writing of student activities under the heading, "Campus Chatter," (3).

Many photographs were contributed by the Department of Information but forty-two were purchased from undergraduate journalism students.

Total cost of the magazine production for the year, exclusive of postage was \$5,015.78.

Approximately 3200 copies of each issue were circulated. Renewal subscriptions accounted for 1100 of these. Three classes of recent graduates receiving the magazine on a three-year basis account for approximately 1500 others, and the remainder are Life Members, Chapel contributors, faculty, and exchanges. In all, 26,920 copies were printed.

Geographic distribution of the magazine remained about the same as in previous years. Albuquerque claims an average 1350 copies of each issue, and 550 more remain in the State.

The California sack carries about 400, and Texas gets nearly 200. Another 150 are scattered through New York state, and every other state gets at least two, except Maine and Rhode Island which get only one. Fifty-three copies go to 28 foreign countries and territories.

The magazine was cited by the New Mexico Press Women at their Spring convention, 1957, as 1st rank in three categories: news story, feature story, and editorial comment. The particular issues cited, however, had been published in early 1956.

ALUMNI RELATIONS

In the field of Alumni Relations, some progress was made, largely through the efforts of Mr. P. E. McDavid, administrative assistant to the president. Clubs were set up and visited in Silver City, Santa Fe and Roswell, and preliminary discussions were held in Farmington and Hobbs.

The Santa Fe club includes the nearby northern New Mexico towns and has been set up as a Booster Club, open to all interested men.

Two meetings of the long-lived Southern California Club were held during the year, both without campus representation. A questionnaire was prepared for them and mailed to 1040 persons in an address-check late in the year. The Club has since reported that only a hundred replies were received.

There was also an informal luncheon meeting in Tucson when

the football team visited there and a similar meeting in Denver. Mr. McDavid and Coach Clausen spoke on both these occasions and other members of the Athletic Department were present.

Homecoming, of course, is our big Alumni Relations event. With the cooperation of the student body, deans and department heads, local alumni organizations, and innumerable individuals, a program of 20 events was set up for the week-end of Nov. 16-17, 1956.

Most of these called for special printing of some sort-- invitations, programs, tickets, etc. - and most of the designing and ordering was done in the Alumni Office. All publicity was handled in the office. This included a TV show and two radio programs.

Worthy of special notice were the open house for Hokona residents of 1906; a dinner reunion for engineering graduates of '35, '36, '37; and the Class of 1931 reunion.

The 1906 party was conceived by Dean of Women Lena C. Clauve who made most of the arrangements. We provided her with a full list of names and addresses of the "old girls" early in the summer and she persuaded three of them to be the University's guests in the new dorm for the week-end. We provided their transportation and admissions for other events. They cut a radio tape with me, appeared on the Rally Com television show, and met hundreds of old friends and other homecomers at the reception and the Lobo Lunch Wagon which followed in the same building.

The Engineers' party was conceived and managed by M.F. Fifield, physical plant director, a member of the 1936 class. He sent three letters to each engineer in the classes, and fifteen men (and I)

attended the cocktail supper at the Kirtland Field Officers Club. A round robin letter composed at the party went to all those who did not attend.

The Class of 1931 reunion was conceived and largely operated by the Alumni Office. The class president, Charles Hickman, designed two letters of invitation and mailed them from his Terre Haute office, and came for the reunion. A third letter went from this office. Hector Moar gave considerable local assistance - including paying the \$50 deficit for the cocktail party at the Franciscan Hotel. (A Sunday afternoon party at his home shown on the official programs did not materialize.)

Five 1931 people came from out-of-town, and five others sent messages of greeting. Nineteen class members and fifteen guests attended the after-the-game party.

For the second year, the Mortar Board committee in charge of the coronation of the Homecoming Queen invited the member of the reunion class who was student body president during his senior year to crown the queen. Dr. George Morrison came from Roswell to do the honors.

Attendance at other special Homecoming events ranged from 200 at the Lettermen's breakfast (held at the Franciscan Hotel rather than on campus for the first time in many years) to 1200 at the dance in the Hilton ballroom sponsored by the Forties Club, social organization with a large alumni membership. (Perhaps it should be noted that though the Forties Club sponsors this event, the Alumni Association pays for the orchestra.)

Total registration of alumni visiting on campus was 540, but obviously many did not sign books, since 691 single tickets for the game were sold in the office. Attendance at the parade and

game, and through the campus for the house lights, was not estimated.

Thirteen states were represented by the 34 non-New Mexicans who came, and 14 New Mexico towns sent 58 people, making a total of 92 alumni who traveled to get here.

A detailed report of all Homecoming events including names of committee workers is on file in the Alumni office. For the record, it should be noted that for the first time in the six years that I have been involved in Homecoming, I was not asked by the student committees to select the judges for the house decorations or the parade. It should also be noted that the 1956 Associated Students committees functioned in the most business-like and efficient manner in my experience.

Other fields of alumni relations included football ticket sales, a radio program, and assistance to the Division of Extension, Summer Session and Special Services during the teachers' convention.

Football ticket sales brought hundreds of alumni to the office during the late summer and fall. An announcement of priority was sent to all members of the Association in midsummer, and a second announcement of public sale was mailed to all local alumni of record several weeks later.

In all, we handled 592 season tickets, and 1,895 individual game tickets. Many of these sales involved correspondence.

The radio program, "Report to the Alumni," which was started in the spring of 1956, ran into snags at the close of summer session when our announcer and our engineer, both students, left the campus. We interrupted the series, but resumed it during the months of October and November, servicing six stations with a 15 minute program each week. When we ran into the same snarl in December, we abandoned the program.

I still think it's a good idea, though I received only one comment about the program from any alumnus, and none from any radio station. The stations carried the program as a public service and Dr. G. Ward Fenley, Director of the Department of Information, and Mr. McDavid helped me produce it. We had student guests several times and two faculty guests, Prof. Keen Rafferty and Wm. J. Parish. Equipment in the Speech Department was used, and the Department of Radio and TV paid Bob Hanna, engineer, and Jim Mullins, announcer.

At the request of the Director of Extension, I spent some 14 hours as hostess in a University Hospitality Room at the Hilton Hotel during the annual convention of the New Mexico Education Assn. in late October, greeting and serving coffee to alumni, faculty, and their guests. There was no great rush of visitors.

CHAPEL FUND

At the close of the fiscal year, the Alumni Memorial Chapel Fund had \$61,588 on deposit with the University comptroller. A brochure mailed to all alumni of record in the spring brought in \$5,209 of this amount. New donors during the period numbered 160, and the total number of donors inspired by the brochure was 338.

These figures do not include the great number of Association members who while renewing their memberships at various times throughout the year included a donation to the fund. Most gifts were for five dollars or less, but the average gift was a little more than seven dollars.

The situation looked so promising by May, 1957 that we organized an Alumni Committee to Build the Chapel. The committee is functioning in an advisory capacity to Mr. McDavid and me and has

held two meetings out of which a usable backlog of ideas has evolved.

Robert W. Hopewell is chairman of the committee; members are Leonard DeLayo, Kenneth Mount, Mrs. Howard Brandenburg, and Mrs. Cyrus Perkins. Serving ex officio are the director of physical plant, Mr. Fifield, Mr. McDavid and his assistant for development, Mr. Ike Singer, and I. The committee favors building the Chapel in the fall of 1957.

Minutes of the meetings are on file in the alumni office.

UNDERGRADUATE RELATIONS

Promoting undergraduate interest, the Alumni Association gave, in February, the second annual Who's Who reception. Alumnae of Mortar Board assisted with invitations and arrangements. Mrs. Eugene Szerlip, who is not a graduate of UNM, served as chairman.

Thirty-three seniors selected for "Who's Who in American Colleges and Universities" were honored in the north-south lounge of the Student Union Building. Dean Lena Clauve presented their certificates and President Popejoy offered congratulations.

Parents of the honor guests, alumni faculty, and prominent Albuquerque citizens were invited. Nearly a hundred attended.

The second annual Alumni Citizenship Award was presented at the annual honors assembly in May to Glenn Warren Thornton of Carrizozo. He was cited for his faithfulness, loyalty, and endeavor during four years residence on the campus. The award is a life membership in the Association and a loving cup.

Nominations were made by the personnel offices, and the judges were Mr. McDavid, Martin Fleck, associate professor of biology, and Mrs. Walter Keller, past president of Mortar Board alumnae and former long-time advisor to the campus Mortar Board. All are UNM graduates.

SPECIAL SERVICES

Special services supplied for campus departments and organizations, and campus related alumni organizations included making the files available to Alpha Kappa Psi, Business Administration honorary, for a survey of their alumni to determine which college courses had proved of most value to them. This survey will be published in the ALUMNUS this winter.

The staff also compiled a list, insofar as it was possible, of all Kappa Sigma initiates from the time of the establishment of the chapter on campus. The Albuquerque Alumni of Kappa Sigma requested the list with a view to strengthening their organization.

Alpha Chi Omega alumnae checked their state-wide list, and so did Sigma Phi Epsilon, Phi Kappa Phi and Mortar Board.

The Colleges of Law, Pharmacy and Engineering made use of our facilities, as did the departments of drama and journalism.

We addressed envelopes for the Associated Students Book Store, the Department of Information, and mailed out the President's Report to the membership list. We also loaned our addressograph machine to the Comptrollers Department.

PERSONNEL

The post of half-time clerk, left vacant during the final months of the 1955-56 fiscal year, and filled by a series of temporary appointments during July and August, was assigned to Patricia Ringer, a student, in September and she worked until commencement time when she left to prepare for her marriage. The post was left vacant during June.

Mrs. Cecilia Marquez, our file clerk since December, 1952, is still with us, and so is Mrs. Ruth Blair, office manager and

secretary to the director since August 25, 1955.

Student aides came and went with the changing semesters.

PROFESSIONAL ACTIVITIES

As a public service, I arranged a University program for the Albuquerque Chamber of Commerce Forum November 5, 1956.

Dr. Martin Fleck acted as master of ceremonies. Brief talks on various aspects of the university operation and their value to the community were made by Bob Matteucci, student body president; Coach Dick Clausen; Warren Lee, director of the placement bureau; Ralph Edgley, director of the Bureau of Business Research; and Prof. Richard K. Moore, of the Department of Electrical Engineering.

President Popejoy, Administrative Assistant McDavid, Dean Dudley Wynn, Dr. Fenley, Mr. Jack Walton, president of the New Mexico Boosters Club, and I went along for the ride.

The presentation was well received by the hundred or more business people present and was staffed by both newspapers.

At the District VII meeting of the American Alumni Council held at Western State College of Colorado, Gunnison, in December, I conducted a panel on Alumni Office Management. About 20 alumni directors, editors and fund directors were present from institutions in New Mexico, Colorado and Utah. Wyoming, the other member of the district, was not represented.

Mr. Ray Beckham, alumni director at Brigham Young University, was elected chairman of the district for the 1957-59 term and appointed me Chairman for Offices. This is a professional classification covering all the "general" work of alumni directors, such as clubs, reunions, homecoming, alumni forums, etc., as well as

record systems. The appointment automatically makes me responsible for a section meeting at the next district conference.

At the annual Southwestern Editors Conference in March, I conducted a panel on "Balance of Content in Alumni Magazines." The University of Nebraska was host in Omaha. Twenty editors were present from schools west of the Mississippi. I was appointed Conference Director for 1958 and my invitation to hold the workshop at Albuquerque was accepted.

At the American Alumni Council national conference in Pasadena in June, I served on a panel discussing "Good Writing." Registration at the conference was about 600, of whom nearly a hundred were editors of alumni magazines. Others on the writing panel were the Columbia and Harvard editors and two staff writers from the Saturday Evening Post.

I was invited to join the Border Conference of Industrial Editors during the year and served on a panel of judges for a contest of the Los Angeles Conference of Industrial Editors. Several meetings of the Border Conference were held in the Journalism Building.

I also continued active in the New Mexico Press Women, assisting them in arranging their spring convention on campus, and representing them as judge in a contest for New Mexico Home Extension Clubs.

At the behest of Prof. Rafferty, and with the dispensation of Dean Matheny^a, I was advisor to the campus chapter of Theta Sigma Phi during the year. I also remained active in the alumni club of the honorary and with the cooperation of Mr. Rafferty arranged for their monthly meetings and work-shop sessions to be held in the journalism building.

I am still a delegate to the City Panhellenic Council. And with the exception of news stories about Alumni Association activities, and a few odd jobs for Dr. Fenley, I have not published anything during the year.

Wimfred Reiter
Aug. 28, 1957

THE REPORT OF THE FUND DEVELOPMENT OFFICE
July 1, 1956 to June 30, 1957
Pete McDavid, Director

I. Significant Achievements during the Academic Year of 1956-1957.

A. Close cooperation continued to exist between the Development Office and the officers and members of the New Mexico (Boosters) Club. As in the previous year, assistance was rendered in revising and making additions to membership lists, campaign cards were typed and distributed, contacts were made frequently with campaign chairmen, money was received, properly recorded and deposited in the Business Office, letters from donors were acknowledged, assistance given in planning programs, officers were kept posted at regular intervals regarding progress of the drive, membership certificates mailed, etc. It is felt that this close cooperation with the New Mexico Club was in part responsible for the increase over the previous year. The amount collected and deposited in the Business Office this year amounted to \$23,042.50. This collection was accredited to the New Mexico Scholarship Fund.

B. The policy of solicitation of full scholarships was continued and new contacts were made. Many of these individuals and firms were contacted personally and the scholarship program set up strictly according to their wishes. Contributions of this nature were made and are listed under Item VII.

C. Alumni groups in the more populated areas of the state were contacted and as a result of these contacts, alumni clubs have been organized in the following communities--Farmington, Santa Fe, Roswell and Hobbs. It is expected that these organizations will participate much in the same manner as the New Mexico Club in Albuquerque. Efforts will be made to organize similar

groups around the state and to offer any assistance from the Development Office that might benefit the continued support of these alumni groups.

D. All department heads of the University were notified of the employment of a field representative in the Development Office and were encouraged to utilize his services in any way that might be helpful in the financial development of their particular department.

E. Considerable time was given by the Development Office to coordinate such projects as the proposed Winrock Shopping Center and the Educational Television station.

II. Significant plans and recommendations for the period of July 1, 1957 to June 30, 1958.

A. It is felt that the Development Program can only be successful if it revolves around a strong annual alumni-giving program. Private and corporate prospects are hesitant in their support of institutions of higher learning unless it can be determined that the institution's own family is active in their behalf. Since it has been necessary for the Alumni Office the past several years to direct their efforts towards raising funds for the Memorial Chapel, it is felt that a separate annual giving program would not be feasible until such time as the Chapel project is completed. Indications are, however, that the necessary funds will be raised in the near future, at which time this office proposes to concentrate on material that will encourage alumni to give on an annual basis.

B. Study indicates that a successful alumni-giving program needs participation from alumni committees with the purpose of personal solicitation

during the annual drive. In this respect it is felt that considerable effort should be made to encourage loyal alumni to serve on the various committees needed to make these drives successful. Should a board of directors be needed, serious thought regarding their selection should be given.

C. It is felt that all departments of the University should be encouraged to notify the Development Department of their needs. This information would be beneficial in determining a case for the University. The University story must be put before individuals, organizations, corporations and foundations informing them as to why the University requires and merits their financial support.

D. Development Office should be notified of all gifts to the University. The growth of the Development Program and its ability to attract able volunteer leaders will depend upon a success psychology. Such action will automatically promote the program.

E. Bills for new or renewal gifts should be processed through this office or at least this office should be kept notified.

III. Appointments to Staff.

Mr. Ike Singer, Assistant Director of Fund Development - February 15, 1957.

Mrs. Lael Iannucci, Secretary, August 1, 1956.

IV. Separations from Staff.

None.

V. Outside professional activities of staff members.

Service club speeches were made at the following places: Albuquerque Junior Chamber of Commerce, New Mexico Club, Albuquerque Dons, Lions Club-Albuquerque, Hobbs Rotary Club, American Petroleum Institute-Hobbs, Albuquerque

Rotary Club, Hobbs Kiwanis Club, Hobbs Lions Club, Farmington Optimist Club, Farmington Rotary, Farmington Kiwanis Club, and Raton Kiwanis Club.

Radio appearances were made at Farmington and Hobbs. Appearances were also made on KGGM-TV - Albuquerque.

VI. Gifts (Only those channeled through this office).

<u>Firm Name</u>	<u>Individual Name</u>	<u>Amount</u>
Gen. Contractor, Santa Fe	Adams, Jack	\$100.00
	Adler, Dr. Stuart	\$25.00
Albuquerque Blue Print Co.	Kirkpatrick, Sid	\$35.00
Albuquerque Bus Co.	Fitzgerald, A. F.	\$50.00
Albuquerque Foundry	Bryce, A. H.	\$75.00
Albuquerque Gravel Co.	Anderson, Ward	\$250.00
Albuquerque Ice Co.	Elliott, W. T.	\$25.00
Albuquerque Lumber Co.	Doolittle, George	\$100.00
Albuquerque Moving & Storage	Hogue, C. J.	\$50.00
Albuquerque Realty	Miller, Rudolph	\$25.00
Albuquerque Typewriter Exchange	Rehm, Robert	\$25.00
Alexander Co., Connie	Alexander, Connie	\$35.00
Allen Abstract & Title Co.	Allen, Oscar	\$35.00
Alvarado Hotel	Witteborg, Fred	\$100.00
American Furniture	Blaugrund, M.	\$200.00
Anderman & Glasebrook	Rubincam, Paul	\$125.00
Anderson Agency, Clinton P.	McCaffrey, T. J.	\$200.00
Baldrige Lumber Co.	Harley, W. P.	\$100.00
	Balduini, Louis	\$25.00
Banes Company	Banes, Wiley	\$75.00
Bartley Shop	Nellie Bartley	\$25.00
Bates-Roberts	Bates, Bill	\$25.00
Batsel & Hastings	Batsel, Paul	\$25.00
Beck's News Agency	Belmonte, Tony	\$25.00
Berger, Briggs & Co.	Berger, Walter	\$100.00
Bernalillo Mercantile Co.	Seligman, Harold	\$25.00
	Betty, Loyal D.	\$25.00
Blueher Lumber Co.	Blueher, Oscar	\$25.00
	Blueher, Dr. William	\$25.00
Bond & Son, Frank	Bond, Gordon	\$25.00
Bonded Plumbing & Heating	Thompson, Tommy	\$50.00
Boyd Engineering	Boyd, Jim	\$100.00
Boyd Co., Ted	Boyd, Ted	\$60.00
	Bradbury, O. G.	\$50.00
	Brannin, William	\$25.00
	Brehmer, Dr. H. L.	\$50.00
Broadway Lumber Co.	McCullough, Neil	\$150.00
Bronson Insurance, Robert	Bronson, Robert	\$25.00
Browne Pharmacy, Joe E.	Browne, Joe E.	\$25.00

Business Man's Assurance	Quist, Herbert A.	\$25.00
Cabeen Co., T. W.	Cabeen, T. W.	\$25.00
Converse Motor, Ltd.	Converse, Knox	\$25.00
Cook Sporting Goods	Gardenswartz, Harold	\$150.00
Carlisle Liquors	Covolo, I. J.	\$50.00
Central Auto Exchange	Richardson, E. W.	\$50.00
Central Liquor Store	Snader, Harry H.	\$25.00
Chant Electric Co.	Chant, L. H.	\$25.00
	Chaplin, Bigelow	\$25.00
	Chess, Dr. James	\$25.00
Chief Pontiac, Inc.	Derryberry, W. W.	\$25.00
Chisholm's	Chisholm, J. D.	\$25.00
Comer Oil Co.	Comer, Brad	\$210.00
Commercial Refrigeration	Gass, Kenneth	\$25.00
Connecticut Mutual	Ingwersen, T. B.	\$25.00
Conniff Grocery	Conniff, John	\$25.00
	Connor, Dr. W. O.	\$50.00
Cornelius Co., Harry	Cornelius, Bill	\$50.00
	Cornish, Dr. P. G.	\$100.00
Cottage Bakers	Browning, Harlan	\$25.00
Court Cafe	Elliot, Dale	\$100.00
Credit Bureau of Albuquerque	Carnes, C. S.	\$25.00
	Custer, George	\$35.00
Darrow Ice Cream Co.	Darrow, Bob	\$100.00
Darwin Buick Co.	Darwin, R. S.	\$100.00
	Davies W. M.	\$25.00
Davis 5 & 10 Stores	Davis, C. B.	\$50.00
Denison Coffee House	Denison, Alvis F.	\$50.00
	Bowen, Dick	\$50.00
	Dennard, Dr. William	\$30.00
	Dettweiler, Dr. J. H.	\$25.00
Dixie Floral Co.	Fitch, Norman	\$25.00
Doherty Lumber Co.	Doherty, Jerry	\$100.00
Duke City Lumber Co.	Liberman, Maurice	\$75.00
Eaton Metal Products Co.	Dale, W. C.	\$30.00
Echlin-Irvin-Crowell	Barley, L. E.	\$25.00
Eckert's Furniture	Huber, Mrs. Josephine	\$50.00
Eidal Manufacturing Co.	Eidal, R. M.	\$50.00
	Eilar, Dr. J. S.	\$25.00
	Elder, James K.	\$25.00
Electrical Products Co.	Spector, Dave	\$60.00
	Eller, Dr. Charles	\$25.00
El Sombrero Restaurant	Anderson, Sherman	\$25.00
Equitable Life Insurance	Cunningham, Pete	\$25.00
Equitable Life Insurance	Erbe, W. J.	\$25.00
" " "	Fraley, J. J.	\$25.00
" " "	Hodder, Ernest	\$25.00
" " "	Lovett, Jerry	\$25.00
" " "	Pooler, Clay	\$25.00
	Evatt, D. A.	\$25.00

Everitt Jewelry Co.	Redak, W. J.	\$25.00
Excelsior Laundry	Jackson, S. Y.	\$210.00
Exter-Tonella Mortuary	Exter, A. J.	\$25.00
	Fanning, Dr. W. A.	\$25.00
Faust & Co., Edgar	Faust, Edgar	\$25.00
Ferguson-Stevens	Ferguson, Gordon	\$50.00
FIF Management Corporation	Campbell, Jack	\$50.00
First State Bank, Taos, N. M.	Brandenburg, Jack	\$25.00
Flatow & Moore	Flatow, Max	\$50.00
Forest Products Co.	McNary, Graham	\$50.00
Fostoria Review Times, Fostoria, Ohio	Hopkins, E. W.	\$50.00
Franchini Grocery	Franchini, John	\$25.00
French-Fitzgerald Mortuary	French, C. T.	\$90.00
Frontier Ford	Jones, Jack	\$50.00
Gerding Agency, Lou	Gerding, Lou	\$25.00
Gibson Lumber Co.	Gibson, David, III	\$30.00
	Giomi, Hugo	\$100.00
	Golightly, Col. H.	\$100.00
Graham Agency, Warren	Graham, Warren	\$25.00
Grantham, Spann & Sanchez	Grantham, E. M.	\$25.00
Green's Sanitary Specialists	Green, Sam	\$25.00
Haggard Co., Jerry	Haggard, Jerry	\$25.00
Hale Sanitary Supply	Hale, Ed	\$25.00
	Harris, Luther D.	\$50.00
Hertz-Rent-a-Car	Hendrix, G. G., Jr.	\$50.00
Hicks Advertising	Hornbuckle, H. T.	\$50.00
Highland Pharmacy	Hicks, Ward	\$25.00
	Hayman, S. J.	\$25.00
Hilton Hotel	Hill, John H.	\$25.00
Hogan's	Odell, Mort	\$250.00
Holsum Baking Co.	Bowman, V. V.	\$25.00
Home Planning	Chiordi, John	\$50.00
Hubbard's	Hebenstreit, Bruce	\$100.00
	Hubbard, C. R.	\$25.00
Hutton and Co.	Huffman, Berl	\$25.00
Hyder Bros. Inc.	Smith, Wilfred E.	\$25.00
Iden-Johnson	Hyder, Latif	\$200.00
Illinois-California Express	Johnson, Bryan	\$150.00
Imperial Laundry	Pajunen, E. V.	\$75.00
Jack's Liquor Store	Edgar, Russell	\$100.00
Jackson Finance Co.	Strimling, Jack	\$25.00
	Jackson, Robert	\$25.00
Jill's Bakery	Jernigan, Dr. H. C.	\$50.00
Jim's Liquors	Tetterington, Dale	\$25.00
Johnny's Inn	Francis, James N.	\$25.00
Jones Construction Co.	Naccarato, John	\$25.00
Jones Motor Co.	Jones, J. W.	\$100.00
	Jones, Keith	\$50.00

KDEF Radio Station	Quinn, Frank	\$50.00
KGGM Radio Station	Hebenstreit, A. R.	\$100.00
KOB-KOB-TV	Coy, Wayne	\$200.00
Karr & Eichenberger	Karr, J. W.	\$50.00
Keenan & Welsh	Keenan, Horace	\$100.00
Kingston Meat & Provisions	Kempers, Dr. Bert	\$25.00
Kinsella Glass Co.	Kingston, Dave	\$50.00
Kistler-Collister	Kinsella, Paul	\$25.00
LaJoya Development	Collister, J. D.	\$100.00
LaQuinta Office	Campbell, Thomas	\$25.00
Leggette Co., R. E.	Simms, Albert G.	\$50.00
Lembke-Clough-King	Leggette, R. E.	\$100.00
Leonard Motor Co.	Lembke, Charles	\$150.00
Leonard's Restaurant	Leonard, Harold	\$100.00
Linder, Burk & Stephenson	Grossman, Leonard	\$100.00
Lively Equipment Co.	Stephenson, Bryan	\$75.00
Llewellyn Co., The	Smith, D. Orton	\$105.00
Lobo Drive-in Restaurant	Gerry, Bruce	\$100.00
Logan Hardware Co.	Kramer, Joe	\$25.00
Lovelace Clinic	Logan, Harry	\$100.00
Lydick Roofing Co.	Lopez, Dr. Alfred	\$25.00
McAtee & Toulouse	Lovelace, Dr. W. R.	\$100.00
McCanna, P. F.	Pope, Jack	\$75.00
McRae & Wiggins	McArthur, A. S.	\$100.00
Mabry & Mabry	McAtee, W. Peter	\$25.00
Magidson's Restaurant	McCanna, Peter	\$25.00
Maloolf & Co., Joe G.	McGlothlin, Ray	\$150.00
Mandell-Drefuss	McKinnon, Dr. D. A.	\$25.00
Marberry & Co.	McRae, Dr. Louis	\$25.00
Massachusetts Protective Assn.	Mabry, Scott	\$25.00
Mattingly Service	Morrison, Marty	\$25.00
Mead's Bakery	Maisel, Dr. Albert	\$37.50
Mayer & Meyer	Maloof, George	\$100.00
Miller & Smith	Mandell, Julius	\$25.00
Nori's Lounge & Bar	Marberry, Frank	\$25.00
Kossman & Gladden	Stanley, James	\$25.00
Kossman & Gladden	Matteucci, Gino	\$25.00
Mount & Son, E. S.	Mattingly, Rex	\$50.00
Mutual of Omaha	Mead, Ed	\$75.00
	Meyer, Jack	\$25.00
	Smith, M. W.	\$100.00
	Sei, Joe	\$25.00
	Gladden, Edward	\$25.00
	Kossman, Fred	\$25.00
	Mount, Kenny	\$25.00
	Mullings, Dr. D. A.	\$25.00
	Davidson, Bob	\$25.00

National Bakery	Hogan, Archie	\$75.00
National Bedding Co.	Hargrave, A. C.	\$25.00
National Cash Register Co.	Austin, S. O.	\$25.00
Nehi-Royal Crown Bottling Co.	Minces, Sam	\$100.00
New Mexico Life Insurance	Wood, V. L.	\$50.00
New Mexico Produce Distributors	Wenk, L. R.	\$50.00
New Mexico School Supply	Calkins, Gene	\$50.00
New Mexico Steel Co.	Downing, Joe	\$25.00
New Mexico Timber Co.	Gallagher, T. P.	\$250.00
New York Life Insurance Co.	Sisk, Arthur	\$25.00
Nob Hill Drug Store	Nissen, Dr. W. E.	\$25.00
Nordhaus & Moses	Shaw, T. W.	\$25.00
Northwestern Mutual Life	Nordhaus, Robert	\$25.00
Northwestern Mutual Life	Cundy, H. L.	\$25.00
Oden Motor Co.	Dunn, Jack	\$25.00
Otto & Son, Edgar D.	Black, Ed	\$100.00
Penney Co., J. C.	Oldaker, Merritt	\$25.00
Pepsi-Cola Bottling Co.	Otto, Richard	\$25.00
Perkins Men's Wear, Cy	Overton, Dr. L. M.	\$50.00
Pickett's Rio Grande Agency	Werner, E. R.	\$100.00
Piggly-Wiggly Stores	Reiss, Robert	\$25.00
Porter & Sons, Robert	Perkins, Cy	\$25.00
Porter & Sons, Robert	Pickett, W. H.	\$125.00
Presbyterian Hospital	Reinhart, Joe S.	\$50.00
Quinn & Co.	Heller, Edward	\$20.00
Rainbo Baking Co.	Hudspeth, Wayne	\$20.00
Ralston Oil Co.	Woodham, Ray	\$25.00
Ravel Bros.	Quinn, Arthur P.	\$25.00
Redman Photo Studio	Rader, Dr. Guy	\$25.00
Remington-Rand Inc.	Howard, Jack	\$75.00
Riedling-Thompson Music Co.	Ralston, Harold	\$25.00
Rio Grande Steel Products Co.	Ravel, Louis	\$25.00
Robertson & Summers	Redman, C. E.	\$25.00
Rodey, Dickason, Sloan	Barker, R. R.	\$10.00
Ross-Beyer Engineering	Riordan, Frank	\$25.00
Ross-Beyer Engineering	Jones, W. T.	\$150.00
Ruch Auto	Roberts, Dr. Bennett	\$25.00
Ryan & Son, J. H.	Robertson, G. E.	\$50.00
Sanders Electric Co.	Dickason, Don L.	\$100.00
Sanitary Laundry	Rogers, Judge Waldo	\$25.00
Santa Fe Builders Supply	Rose, Stewart, Jr.	\$25.00
	Ross, Ed	\$25.00
	Beyer, Clarence	\$25.00
	Royer, Dr. E. E.	\$25.00
	Ruch, Roscoe	\$25.00
	Rutherford, George	\$50.00
	Ryan, J. H.	\$100.00
	Salazar, Victor	\$50.00
	Sanders, Victor	\$25.00
	Rutledge, James	\$60.00
	McElheney, Fred	\$100.00

Sears, Roebuck & Co.	Walvoord, Lloyd	\$100.00
Seligman & Sackett	Seligman, Dr. R. V.	\$25.00
Seven-up Bottling Co.	Seligman, Thornton	\$50.00
Shufflebarger's	Daulton, H. P.	\$25.00
Sigler's Cafeteria	Shortle, Dr. James	\$15.00
Simms, Modrall & Simms	Shufflebarger, Frank	\$100.00
Simon's	Sigler, James	\$25.00
Sine Lumber Co.	Simms, Albert II, M.D.	\$25.00
Skousen & Son, D. D.	Modrall, Dick	\$100.00
Skousen-Hise Contracting Co.	Goldman, Simon	\$25.00
Snow Construction Co.	Kearney, L. J.	\$50.00
Southwest Brokerage Co.	Skousen, D. D.	\$100.00
Southwest Moving	Skousen, N. J.	\$200.00
Southwest Plumbing & Heating	Snow, Edward H.	\$50.00
Southwestern Sash & Door	Little, Jack	\$25.00
Springer Transfer Co.	Smith, Howard	\$50.00
Standard Heating & Ventilating	Smith, Earl	\$25.00
Standard Oil of Texas	Protzman, J. N.	\$50.00
Star Oil Co.	Strome, Roy D.	\$200.00
State Distributing	Rowe, L. M.	\$30.00
Stevens Advertising, Robert	Ewing, J. B.	\$160.00
Stromberg's	Tidwell, Ray	\$50.00
Strong-Thorne Mortuary	Matteucci, Pete	\$100.00
Stuart Co., Arthur	Stevens, Robert	\$25.00
Super Oil Co.	Stromberg, Jack	\$100.00
The Texas Company	Strong, Oren W.	\$100.00
Thygeson & Co., Henry	Spiegel, A. H.	\$50.00
Towne House	Menicucci, Dante	\$50.00
University Book Store	Tackett, Paul	\$25.00
Valley Gold Dairies	Tanny, Dr. A. J.	\$25.00
Valliant Printing Co.	Ruffin, L. E.	\$100.00
Waggoman Co., R. R.	Theelin, Dr. Alfred	\$25.00
Welch-Erwin Corporation	Thygeson, Henry	\$100.00
Wentworth Co.	Top, C. E.	\$25.00
West Furniture Co.	Cook, C. C.	\$50.00
White's Nob Hill Barber Shop	Westfall, Archie	\$25.00
	Howie, Ed	\$25.00
	Valliant, George	\$25.00
	Vann, Dr. Lee	\$25.00
	Van Atta, Dr. J. R.	\$25.00
	Waggoman, R. B.	\$200.00
	Walley, Dr. P. E.	\$25.00
	Erwin, Robert	\$25.00
	Wentworth, Jack	\$25.00
	West, Vance	\$25.00
	Rizkalla, Ed	\$25.00
	Whittmore, S. E.	\$75.00
	Woolston, Dr. W. H.	\$25.00
	Wright, Thelton "Sonny"	\$25.00

Yearout Electric Co.	Yearout Johnnie	\$100.00
	Yoakum, J. T.	\$25.00
Zork Hardware Co.	Dreyer, Rudolph	\$25.00

"Full" Scholarships - Deposited in the New Mexico Scholarship Fund:

<u>Firm Name</u>	<u>Individual Name</u>	<u>Amount</u>
Albuquerque National Bank	Love, Oscar	\$850.00
Charles Ilfeld Company	Mapel, Frank	\$850.00
First National Bank	Carson, Cale	\$850.00
Paris Shoe Store	Matteucci, Pete	\$850.00
Public Service Company	Prager, Arthur	\$1000.00
	Tinnin, Robert	\$425.00
Savage & Sganziini	Sganziini, William	\$850.00
Southern Union Gas Company	Corr, Tom	\$1000.00
UNM Alumni Lettermen (Gwinn Henry Memorial)		\$500.00

Other Contributions (only those received or acknowledged through this office):

<u>Firm Name</u>	<u>Individual Name</u>	<u>Amount</u>
	O. E. Beck family	\$2000.00 Engineering
C.P.A. Auxiliary of New Mexico	Mrs. James L. Summers, Pres.	\$50.00 Bus. Admin.
New Mexico Health Foundation	Dr. Stuart Adler	\$200.00 Nursing
Sombre del Monte PT-A	M. J. Montman	\$200.00 Teaching

THE REPORT OF THE UNIVERSITY LIBRARIES

July 1, 1956 - June 30, 1957

David Otis Kelley, University Librarian

SIZE AND GROWTH OF THE COLLECTIONS

With the addition of 11,584 volumes during the report year, the size of the collections reached 272,061 cataloged volumes. This was an increase of 4.4% over the previous year. The percentage increase was lower than last year's because of our policy of selective withdrawing. With the cooperation of the faculty we are removing some obsolete materials, fragmentary and unneeded journal files, old textbooks, extra copies, etc. The percentage increase was lower also because the budgeted funds bought fewer books in the present market. The President of the University of Chicago stated recently that their library budget had doubled during the past ten years but they were acquiring 30% fewer books. During the year we were disturbed when three of our jobbers, J. W. Stacey, Stechert-Hafner, and the A. C. McClurg Company reduced their discount rates.

The failure of our available book funds to buy as many volumes, together with an improved binding budget and a notable increase in gifts, brought about a decided change in the percentage distribution of acquisitions by purchase, gift, and binding. This change is shown in the following table.

Percentage Distribution of Acquisitions, by Purchase,
Gift, and Binding

	<u>1955-56</u>	<u>1956-57</u>
Purchase	57.2%	50.2%
Gift and Exchange	21.5	26.9
Binding of Periodicals	21.3	22.9

Collections of non-book materials continue their steady growth. We added 47,430 government publications to bring that collection to 171,077 volumes.

The number of volumes added by gift increased considerably over last year. Among the notable gifts were the following: Anton Long's gift of the personal collection of his father and mother, Mr. and Mrs. Haniel Clark Long, books from the estate of Frieda Lawrence Ravagli, gifts of Prof. Horace Bancroft Davis, Dr. Ralph Carlisle Smith, Mr. Virgil Thompson, Dr. Albert C. F. Westphal, Dr. Madeline Nichols, and Dr. Dorothy Woodward. University faculty and staff members contributing extensively included Miss Doris Barker, Dr. Julian S. Duncan, Prof. Kurt Frederick, Dr. W. W. Hill, Dr. Hugh Miller, Dean J. D. Robb, Dr. France V. Scholes, Prof. Ramon Sender, Dr. Arthur A. Wellock, Dr. Cecil V. Wicker, and Dr. Nathaniel Wollman.

Mr. Thomas S. Bell continued to send books to the Library and made a substantial monetary gift for the purchase of books on New Mexicana. Mrs. Jessy Sullivan made her annual gift for the Walter J. Sullivan, Jr. memorial collection. The U. S. Soil Conservation Service in Albuquerque gave 850 typescript regional studies. Dr. France V. Scholes contributed books and several groups of transcripts and photocopies of original papers dealing with Southwestern history. Additional records were donated for the Gross-Kelly business history collection.

The Albuquerque Bar Association made a major contribution to the service performed by our Law Library by purchasing and donating to the library a \$400 Verifax photocopy machine. The Association also entered a continuing subscription on behalf the Law Library for the publications of the American Bar Association at a cost of \$50 annually.

The Albuquerque Lawyers' Club gave the Law Library \$350 to bring up to date a number of continuations. Cash contributions were also received from Joseph L. Smith, Franklin Jones, and Julian Ertz.

Along with the excellent record of acquisition by gift we value highly our program of acquisition by exchange. Through the exchange

of the University of New Mexico Publications we were able to acquire some excellent new series. Included are such series as:

Academie Royale des Sciences Coloniales. Memoires.
 Academie Royale des Sciences Coloniales. Bulletin des seances.
 Institut Royale des Sciences Naturalles de Belgique. Memoires.
 Vienna. Naturhistorisches Museum. Annalen. 1887 - date.
 Boletim de Bibliografia Portugesa.
 Biblioteca Nacional de Lisboa. Annais das Bibliotecas e Arquivos.

Toward the close of the year this exchange program appeared to be jeopardized by the small number of Publications issued recently. Some institutions threaten to discontinue sending their publications unless they receive more from us. For several reasons it is hoped that this situation will be improved very soon.

Through the exchange of unwanted duplicate material we acquired from other libraries a total of 1,952 items which included 1,443 unbound issues of periodicals, 146 bound volumes of periodicals and 363 books. Outstanding acquisitions among these were:

Columbia University. Teachers' College. Contributions to Education.
 226 volumes.
 New York. Zoological Society. Annual Report. 1909-1931.
 Phytopathology. Volumes 11-14.

In payment for this we sent out 245 shipments of unwanted material. To acquire these publications from other libraries required the checking of a large number of lists, the number being increased considerably by our joining the Duplicates Exchange Union.

Although the collections do not yet compare favorably in size with our sister state universities, the growth during recent years has been substantial. This is shown by the following table.

Growth of the Collections

	<u>Total Volumes</u>
1930	34,892
1940	80,755
1945	99,709
1950	181,077
1951	193,315
1952	208,797
1953	222,194
1954	237,526
1955	248,388
1956	260,477
1957	271,585

Several comments might be made on the size of our present cataloged collections. First, the collections are now large enough, and of sufficient quality, to support an excellent undergraduate teaching program. But we cannot stop our collecting. It is necessary that we keep up with current publishing, and with increasing enrollment that we provide sufficient duplication to meet teaching needs. The collections give fair support in most research areas in which we are engaged. It is in this field of activity that a much larger library collection is a necessity. Secondly, the collections now almost fill our available space. This is causing us to begin the work of selective withdrawing. It also emphasizes the urgency of planning for physical plant expansion. Thirdly, because of budget and space limitations it seems imperative that we become more highly selective in adding volumes. We should not strive for size alone. During the year the Library Committee worked on a code of acquisition policy, to limit and define our fields of collecting. This code should be completed during the fall or winter of 1957. Fourthly, the size of the collections requires an increasing amount of bibliographic work in connection with our acquisition program. Much time of faculty members and of librarians is required to identify, locate, and catalog volumes not presently found in the collections. With the enrollment increasing rapidly, faculty members are likely to find it

even more difficult to devote sufficient time to book selection. It is necessary that the librarians give as much bibliographic assistance as possible. I have requested before, and continue to request, that a graduate assistant be assigned to my office for the work of surveying collections, checking bibliographies, making desiderata lists, etc. Such activity would add much to the quality of our collections and of our education accomplishments.

PROCESSING OF MATERIALS

Some of the activities of the Technical Processes Department are reported statistically in Appendix B. In almost every category small increases are noted. In addition to routine processing of new volumes the librarians and an excellent staff of non-professional assistants performed a variety of other highly useful duties. The inventory of the 900's was completed and a start made on the 370's. This inventory resulted in cataloging materials that were "temporarily cataloged" in earlier years. It also is related to the work of selective withdrawing. Catalogers are continuously engaged in transferring volumes from Reference to stacks, and some from stacks to Special Collections and stacks to Government Publications. Some three hundred volumes were reclassified, many in biography and some in statistics. A new filing system involving filing flags has resulted in keeping the filing of cards in the main catalog more up to date. Records were made for a collection of some two hundred volumes placed in Hokona Hall for general reading.

Good accomplishment can be reported in our work of binding and book repair. A steady increase in the number of new periodical subscriptions, efforts made to complete volumes of incomplete sets, the usual wear by use of the collections, and the purchase of more paper

bound books especially from abroad, placed a strain on binding funds. The increase in binding prices at mid-year reduced the volume of binding to slightly below last year. An increased amount of book repair work was done, principally because an exceptionally able student assistant came our way.

The number of serial publications checked in continues to rise until we now have a total of 9,734 entries in the serial checklist record. During the past two years the number of serial titles has increased by about 9%.

The Photographic Services Division had a very busy year. The number of enlargement prints made increased by 59%, from 1,928 to 3,075. The number of microfilm frames made increased from 51,378 to 68,760, an increase of 33%. Requests for photocopies exceed the possibilities of our staff and equipment, and suggest an early expansion of this Division.

Excellent progress was made by Mr. Albert Diaz in organizing our special collections. The moving of the faculty offices provided space needed for special collections. Some rearrangement was accomplished, bringing related materials together. A large catalog case, formerly used for the L. C. depository catalog, was moved to the Coronado Room providing adequate space for the several indexes to this specialized material. Subject indexes were prepared for the books on New Mexico history and the rare books. An index to the photoprint collection of historical source materials was made, and a card catalog of this material well started. Some 120 collections of private papers were rearranged and cataloging completed. Maps were rearranged in two map rooms.

During the year Mr. Diaz prepared the copy for a descriptive catalog of the special collections and some two hundred and fifty copies of this printed booklet will be distributed during the fall of 1957. It bears the

title Manuscripts and Records in the University of New Mexico Library. He also prepared an index to the land grant materials being microfilmed, and it is hoped that this Guide to the Microfilm of the Papers Relating to the New Mexico Land Grants may be published next year.

SERVICES TO READERS

Perhaps as a token of things to come, with enrollment leaping upward, the loan of two-week books increased $8\frac{1}{2}\%$ and reserved books 37%. The loan of books over the circulation desk for use inside the building was 14,734 compared with 12,552 the year before.

Through the interlibrary loan service of the Reference Department, 305 loans were made to other libraries and 401 volumes borrowed from other libraries. Departments using this service most frequently were: History, English, Meteoritics, Chemistry, Modern and Classical Languages, and Biology.

To conduct the circulation system requires much paper work. During the year 9,468 pieces of mail were sent out, in the form of notices of books being held for a borrower, call-in notices, overdue notices, bills, and special letters.

As reported last year the Circulation Department assistants were forced to shift and rearrange many hundreds of volumes in the stacks to make room for new acquisitions. Moving of faculty offices from the building made possible the rearrangement of special collections and the release of some space on the fourth stack level for books.

The number of reference questions increased about 9% over last year. As always the variety of the questions ranged from Dan to Beersheba. For example, one researcher wanted to know about methods of raising beef cattle in Japan; another about circumstances under which Kekule discovered his theory of the benzene ring. Repeated requests came for list of theses accepted for degrees here.

The Reference Librarian has made a concerted effort to help classes to understand better the use of the library. Twenty-seven classes came to the library for this instruction. These included one Secretarial class, two in nursing, five Education, and nineteen in English. Miss Porterfield hopes to instruct groups from many other subject fields.

Reference work involving government publications is usually quite complex bibliographically. The publications most heavily used this year were those of the U. S. Congress, the Atomic Energy Commission, the U. N. and UNESCO, New Mexico, U. S. Office of Education, the Children's Bureau, and the Office of Business Economics.

The Special Collections Librarian assisted 1,678 persons with rare books, documents, maps, and other materials of that Division. Most of these users were faculty and advanced students. Some were visiting faculty of other institutions and independent authors and researchers. Two persons were assigned special space for prolonged research.

THE STAFF

It pleases me to be able to report again on the stability and loyalty of our professional staff. I feel that the quality of university library service is closely correlated with the quality of the staff. There were no losses during the year in our staff of professional librarians. At the close of the year we had budgeted one new position in our Reference Department, and at his request transferred Mr. Jay Ladd to this position. We appointed Miss Dorothy Wonsmos to the position of Assistant Acquisition Librarian formerly held by Mr. Ladd. Miss Wonsmos came to us from Ohio Wesleyan University.

The high turnover rate among our non-professional assistants continues to be a problem. With the salaries we can offer, only wives of students or students taking a very light course load can be employed.

We have had some very fine assistants but they leave after a fairly short period of employment, and we have a loss in accomplishment while seeking and training new staff members. A solution to the problem is not easy to find. Better salaries would certainly help.

The high turnover of student, part-time assistants almost reached crisis proportions during 1956-57. We depend upon student assistants to perform many of the same duties handled by the full-time non-professional assistants. Therefore the same loss of efficiency results from vacant positions and from the training of many new assistants. With an average staff of about forty-five student assistants, the problems of training, supervision, follow-up and retraining are much greater than with eleven full-time clerical assistants. We wish in the future to use a higher percentage of full-time people.

Toward the end of the year we were authorized to begin the year 1957-58 with a graduated pay scale for student assistants. According to this plan we will raise the rate of pay 10¢ per hour after each period of 52 weeks of satisfactory work in the Library. We will compensate for experience and merit, hoping to hold our better assistants during all the time they are on the campus. The success of this plan here at the University can only be assessed after a few years of trial.

Our librarians have engaged in several activities of a professional nature. Mr. Harold Bellingham served as vice-president of the Albuquerque Library Association, presiding over the annual author's dinner during May, 1957. He attended the annual meeting of the New Mexico Library Association in Socorro during April, and the annual conference of the American Library Association in Kansas City, June 23-29, 1957.

Miss Theresa Gillett represented New Mexico on the Committee on Membership for the A. L. A. Division of Cataloging and Classification. She also attended the American Library Association's annual conference

in Kansas City during June, 1957.

Miss Helen Hefling served as chairman of a panel discussion at a dinner meeting of the Albuquerque Library Association in September, 1956. She served as representative of the University of New Mexico Library at the biennial conference of the Southwestern Library Association which met in Oklahoma City, October 9-12, 1956.

David Otis Kelley attended the midwinter meeting of the American Library Association in Chicago in late January, 1957, serving as a Council member and as a member of the executive board of the Association of College and Research Libraries. He attended the April, 1957 meeting of the New Mexico Library Association in Socorro, participating on a panel discussion of Public Relations for Libraries. He wrote some reviews for the "New Books Appraised" section of the Library Journal. He issued the quarterly New Mexico Official Publications, and Union List of Southwestern Materials on Microfilm, in New Mexico Libraries. He is editor of the Southwestern Library Association Newsletter.

Mr. Jay Ladd attended the annual meeting of the New Mexico Library Association in Socorro during April, 1957. He was elected vice-president of the Albuquerque Library Association for 1957-58 and is chairman of the Association's Committee on the Union List of Serials.

Miss Helen McIntyre participated in the Second Seminar on the Acquisition of Latin American Library Materials at Austin, Texas, June 19-20, 1957, serving as rapporteur for one session. She attended the annual conference of the American Library Association in Kansas City during June, 1957.

Dr. Arie Poldervaart was director of the Third National Law Librarians' Institute held under the auspices of the American Association of Law Libraries and the School of Law, University of Colorado, June 18-23, 1957. He prepared

for the Law Library's Legal Bibliography Series a bibliography of papers read before the Albuquerque Lawyers' Club from the beginning of that organization through the year 1955.

Mr. Charles Warren attended the meeting of the New Mexico Library Association which met in Socorro during April, 1957. He served as chairman of the Scholarship Committee of the Albuquerque Library Association.

Library staff members have profited from our plan which permits them to take university courses without the payment of fees. Many of the courses taken are directly related to their library work and therefore contribute to the quality of their work here. Courses were taken this year by Mr. Bellingham, Miss Gillett, Miss Hefling, and Mr. Warren.

CONCLUSIONS

As we plan for years ahead we are somewhat concerned about serving the large numbers of students that will attend the University. We are confident that the quality of the education received by our students depends to a considerable degree upon the quality of the library. We must have a good library.

Our University now has a very broad program offered in the University College, nine general and professional colleges, a Graduate School, a Los Alamos Graduate Center, and a Summer Session Division. The doctorate is given in ten fields. We therefore have a large and increasing responsibility for library service to undergraduates and for graduate and faculty research. We need to keep the distinctive needs of both these groups in mind as we plan.

In past reports we have pointed out our needs for physical plant improvements. Some have been accomplished. It seems imperative that we make serious efforts during the next few years to add to our building

and/or build another library building. The first step in this process is to draw up a program, stating clearly the needs and making recommendations. The library staff and the faculty Library Committee began during 1956-57 a discussion of the various plans of university library organization. A sub-committee of the Library Committee is doing detailed work on the problem. We hope to continue this planning during the fall of 1957 and to have some recommendations before too many weeks have passed.

Until expansion can be achieved we will have to serve our students and faculty to the best of our ability in our present building. Having just experienced a very hot summer during which my office received numerous complaints about the need of air conditioning, I wish to renew our request for the installation of adequate air conditioning. We hope it will be possible to do this before next summer. For several years we have reported our need of lighting improvements and of pneumatic tubes for the stack areas. These capital improvements become more urgent each year.

Along with expansion and improvement of our physical plant we must expand our staff. This year we added one new position in the Reference Department. Next year we should add a professional position in the Technical Processes Department to catalog and process new material. As a library grows in number of volumes the work of adding new volumes becomes more difficult because each new book is considered in relation to those already in the collection. We have had three catalogers for many years and must soon add a fourth. We should also add a non-professional assistant to help with the work of maintaining the collections.

Each year it is pleasant to conclude this report with sincere expressions of thanks to several individuals and groups. You, Mr. Vice President, have given us fine support in our endeavors and always listen with friendly and sympathetic interest to our requests. We

appreciate and thank President Popejoy for doing all within his power for the libraries. We have enjoyed many fine relationships with faculty members, dean, and directors, and especially enjoyed working with the faculty's Library Committee under the direction of Dr. William Albrecht and Dr. Raymond Castle.

Respectfully submitted

David Otis Kelley

David Otis Kelley
University Librarian

14.

Appendix A
 SIZE AND GROWTH OF THE COLLECTIONS

	<u>General Library</u>	<u>Law Library</u>	<u>Total</u>
Number of Cataloged Volumes in Libraries, June 30, 1956	218,123	42,354	260,477
Volumes Added (net), 1956-57	9,653	1,931	11,584
Number of Cataloged Volumes in Libraries, June 30, 1957	227,776	44,285	272,061
Percent Increase over Previous Year			4.4%

Other Processed Material in the General Library:	<u>June 30, 1956</u>	<u>Added 1956-57</u>	<u>Total June 30, 1957</u>
Government Publications	123,647	47,430	171,077
Maps (approximation)	43,590	—	43,590
Microfilm (reels of varying lengths)	2,789	158	2,947
Microcards	27,829	872	28,701
Sound Recordings	746	15	761
Archives and Mss (approximate number of boxes)	3,000	—	3,000
Slides (2" x 2")	226	30	256

Appendix B
 PROCESSING OF MATERIALS
 General Library

	<u>1956-57</u>
New Titles Cataloged - - - - -	6,267
Volumes Added: By Purchase - - - - -	4,562
By Gift and Exchange - - - - -	2,450
By Binding of Periodicals - - - - -	2,089
Total Volumes Added	<u>9,101</u>
Number of Volumes Accessioned - - - - -	9,974
Number of Cards Added to the Public Catalog -	25,655
New Serial Titles Added - - - - -	391
Binding: (in volumes)	
Books - - - - -	2,038
Periodicals - - - - -	<u>2,155</u>
Total	<u>4,193</u>

Photographic Services:

Negative Microfilm Frames Made - - - - -	68,760
Enlargement Prints Made - - - - -	3,075

Appendix C

USE OF LIBRARY RESOURCES
General Library

For Use in Building - - - - -	14,734
Two-Week Loans, in Volumes- - - - -	90,750
Reserved Book Loans - - - - -	32,980
Interlibrary Loans:	
Loaned - - - - -	305
Borrowed - - - - -	401
Total Loan Transactions	<u>139,170</u>

Appendix D

EXPENDITURES

General and Law Libraries:

Books and Periodicals -		
Departmental Fund- - - - -	\$41,326.15	
General Book Fund- - - - -	6,313.60	
Special Purchases Book Fund- - - - -	5,283.15	
*Walter Sullivan Memorial Fund- - - - -	17.20	
*Ernie Pyle Memorial Fund - - - - -	27.09	
*Thomas S. Bell Fund- - - - -	<u>463.15</u>	
Sub-Total		\$53,430.34
Supplies and Expense - - - - -	8,890.90	
Equipment - - - - -	1,609.10	
Binding - - - - -	10,985.15	
Salaries- - - - -	98,028.01	
Student Assistance- - - - -	<u>21,548.30</u>	
Sub-Total		\$141,061.46
Total Expenditures for Libraries - - - - -		\$194,491.80

Percentage Distribution of Expenditures, 1956-57

	<u>Amount</u>	<u>Per Cent of Total</u>
Books, Periodicals and Binding	\$64,415.49	33.14
Salaries and Wages	119,576.31	61.48
Supplies, Expense and Equipment	10,500.00	5.38
Totals	<u>\$194,491.80</u>	<u>100.00</u>

Ratio of Library Expenditures to Total Expenditures of the Institution
for Educational and General Purposes - 5.3%

Appendix E

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 Municipio de la Habana. Oficina del Historiador de la Ciudad
 International Monetary Fund
 Mountain States Telephone and Telegraph Company
 National Book Foundation
 New Mexico Quarterly
 Newcomen Society in North America
 Northwest Production Corporation
 Organización Regional Interamericana de Trabajadores
 Stromberg's

Appendix F

NOTABLE ACQUISITIONS

- Academia Brasileira de Letras, Rio de Janeiro. Revista. Rio de Janeiro, 1910-44. v. 1-67.
- Amico, Silvio d'. Historia del teatro universal. Buenos Aires, Losada, 1954-56. 4 v.
- Anuario español e hispanoamericano del libro y de las artes graficas con el catalogo mundial del libro impreso en lengua española. Madrid. v. 1-7.
- Bach, Johann Sebastian. Complete organ works, a critico-practical ed.... by Charles-Marie Wildor and Albert Schweitzer. New York, G. Schirmer, c1940-55. v. 1-6.
- Beethoven, Ludwig van. Werke. Vollständige kritischdurchgesehene überall berechtigte Ausg. Ann Arbor, J. W. Edwards, 1949-. 33 v. in 24. (Edwards music reprints. Ser. A.: Complete works and monumenta, no. 2).
- Bible. N. T. Gospels. Latin. 1956. Evangeliorum quattuor Codex Lindesfarnensis ... Oltun et Lausanna, In aedibus Urs Graf, 1956-. v. 1.
- Diccionario enciclopedico U.T.E.H.A. Mexico, Union Tipografica Editorial Hispano Americana, 1953, c. 1950-52. 10 v.
- Eymericus, Nicolas. Directorium inquisitorum Romae, in aedibus Pop. Rom., 1578. (Bound with: Catholic Church. Pope. Literae apostolicae Romae, 1579).
- Franciscans. Third Order. Los terceros hijos del humano serafin ... 2. impresion. Corr... por sv avtor el R. P. Fr. Antonio Arbiol. En Zaragoza: Por Manvel Roman, Impr. de la Universidad, Ano, 1706.
- Gams, Pius Bonifacius. Die Kirchengeschichte von Spanien. Graz, Akademische Druck-u. Verlagsanstalt, 1956. 3 v. in 5.
- Hamburg. Kolonialinstitut. Abhandlungen. Hamburg, 1910-. 21 v.

- Herbert, Edward Herbert, baron. A dialogue between a tutor and his pupil. London, Printed for W. Bathoe, 1758.
- Herbert, Edward Herbert, baron. The life of Edward Lord Herbert of Cherbury. Written by himself. London, Printed for J. Dodsley, 1770.
- Herbert, George. The temple. ed. 7. London, Printed by T. R. for Philemon Stephens, 1656.
- Monumentos de la musica espanola. Madrid, 1941-. v. 4-10.
- Occupational Psychology. London, 1938-date. v.12-date, lacking a few issues.
- Paramo, Luis de. De origine et progressu officii sanctae inquisitionis. Matrite, Ex Typ. Regia, 1598.
- Quarterly journal of experimental psychology. Cambridge, Eng., 1918-date. v. 1-3, 5-date, lacking one number.
- Relacion de las ceremonias y ritos y poblacion y gobierno de los Indios de la provincia de Michoacan (1541). Reproduccion facsimil del ms. c. IV. 5. de El Escorial.... Madrid, Aguilar, 1956.
- Rhode Island (Colony). Records of the colony of Rhode Island and Providence Plantations.... Ed. by John Russell Bartlett. Providence, A. C. Greene and Brothers, 1856-85. 10 v.
- Schweizerische Gesellschaft für Anthropologie und Ethnologie, Bern. Bulletin. Bern, 1924-54. Jg. 1-30.
- Surtees Society, Durham, England. Publications. London, 1835-. v. 9, 46, 51, 58, 66, 67, 69, 70, 72, 74, 78, 81-83, 86, 88-90, 94, 96, 98, 108, 109, 114, 115, 126, 128, 130, 138, 141, 148, 149, 151-55.
- Valencia. Universidad. Biblioteca. Catalogo de los manuscritos existentes en la Biblioteca Universitaria Valencia, por Marcelino Gutierrez del Cano. Valencia, Libreria Maragat, 1913. 3 v.
- Vega Carpio, Lope Felix de. Obras publicadas por La Real Academia Espanola. Madrid, Sucesores de Rivadeneyra, 1890-1913. 15 v.
- Verein für Reformationsgeschichte. Schriften. Leipzig, 1883-. 73 nos.
- Villagra, Gaspar Perez de. Historia de la Nueva Mexico. Alcala, Luys Martinez Grande, 1610.
- Villamueva, Jaime. Viaje literario a las iglesias de Espana. Madrid, Imprenta Real, 1803-1852. 22 v.

Substantial additions were made to files of the following serials:

Anatomical record
 Annals of mathematics
 Bulletin volcanologique; organe de l'Association de Volcanologie de l'Union Geodesique et Geophysique Internationale
 Fundamenta mathematicae
 Gentlemen's magazine
 Geologische Rundschau; Zeitschrift für allgemeine Geologie
 Helvetica chimica acta
 Oregon historical quarterly
 Die Pharmazie

Nine volumes were added to Beilstein's Handbuch der organischen chemie.
 4 Aufl. Zweites Ergangungswerk.

The following were acquired on microcards and microprint:
 U. S. Congressional documents (serial set). Groups 2, 3, and 4.
 Monatshefte für Chemie und verwandte Teile anderer Wissenschaften,
 v. 1-74.

Appendix G
LIBRARY STAFF, SUMMER, 1957

David Otis Kelley	University Librarian
Helen Hefling	Associate Librarian
Harold Bellingham	Cataloger
Albert James Diaz	Special Collections Librn.
Theresa Gillett	Chief Cataloger
Robert B. Harness	Documents Librarian
Jay Louis Ladd	Asst. Reference Librarian
Helen McIntyre	Acquisition Librarian
Lillian Pankratz	Cataloger
Arie W. Poldervaart	Law Librarian
Genevieve Porterfield	Reference Librarian
Marjorie Reigstad	Asst. Reference Librarian
Charles Warren	Circulation Librarian
Dorothy Wonsmos	Asst. Acquisition Librarian

John Blum	Asst., Circulation Dept.
Frances E. Brennan	Asst., Law Library
Irene Curnow	Binding Assistant
James R. Reynn	Asst., Circulation Dept.
Leabelle Hester	Catalog Typist
LaVera Kakoska	Library Secretary
Clark Melling	Asst., Circulation Dept.
Margalee Parkhurst	Asst., Circulation Dept.
Claudette Stagner	Asst., Catalog Dept.
Sue Jordan	Asst., Reference Dept.
(Vacant)	Asst., Acquisition Dept.
(Vacant)	Asst., Reference Dept.

Appendix H
FACULTY LIBRARY COMMITTEE, 1956-57

Dr. William P. Albrecht, Chairman, 1st Semester
 Dr. Raymond N. Castle, Chairman, 2nd Semester
 Dr. Archie Bahm
 Dr. Harry W. Basehart
 Dr. Bainbridge Bunting, 1st semester
 Dr. J. Paul Fitzsimmons
 Prof. Rudyard B. Goode, 2nd Semester
 Dr. Raymond R. MacCurdy
 Dr. A. V. Martin
 Dr. Cullen B. Owens
 Dr. Arie Poldervaart
 Dr. Roger J. Weldon
 Prof. G. S. Williams
 Prof. David Otis Kelley, ex officio

UNIVERSITY OF NEW MEXICO

FINANCIAL REPORT

For the Year Ended

June 30, 1957

Albuquerque, New Mexico

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, 1957. It is believed that these fairly present the financial condition of the University of New Mexico on June 30, 1957, and the results of its operations during the fiscal year then ended.

There is a complete audit report, by Peat, Marwick, Mitchell & 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
Eleanor Manson, Administrative Assistant
Frank D. Manfredi, Purchasing Agent
William A. Garver, Internal Auditor
Pearle Blackburn, Chief Accountant
Marie Waters, Payroll and Group Insurance
R. E. Storment, Men's Housing Manager
Charles S. Lanier, Golf Course Manager
Shepard A. Raymond, Printing Plant Manager
Mary Failing, Women's Housing Manager
M. F. Fifield, Physical Plant Director

Albuquerque, New Mexico
December 1, 1957

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UNIVERSITY OF NEW MEXICO
Consolidating Balance Sheet
June 30, 1957

Assets	Combined Totals	Fund					
		Current	Restricted	Loan	Endowment	Plant	Agency
Cash:							
On hand and on deposit	\$ 782,258.86	73,540.64	122,978.58	18,144.46	15,424.61	125,603.38	426,567.19
Held by State Treasurer	93,403.28	-	-	-	93,403.28	-	-
Total cash	<u>875,662.14</u>	<u>73,540.64</u>	<u>122,978.58</u>	<u>18,144.46</u>	<u>108,827.89</u>	<u>125,603.38</u>	<u>426,567.19</u>
Accounts receivable and deposits, net	166,458.48	112,041.00	-	-	7,500.00	-	46,917.48
Notes receivable	415,879.84	-	-	9,194.30	-	404,440.54	2,245.00
Inventories	200,926.36	200,926.36	-	-	-	-	-
Prepaid expenses and deferred charges	77,351.19	77,351.19	-	-	-	-	-
Investments	3,077,598.01	-	503,659.22	-	2,353,184.41	199,562.50	21,191.88
Investment in plant	16,665,275.39	-	-	-	-	16,665,275.39	-
	<u>\$ 21,479,151.41</u>	<u>463,859.19</u>	<u>626,637.80</u>	<u>27,338.76</u>	<u>2,469,512.30</u>	<u>17,394,881.81</u>	<u>496,921.55</u>
<u>Liabilities</u>							
Vouchers payable	\$ 31,925.79	31,743.17	-	-	-	-	182.62
Accounts payable and accrued liabilities	80,569.74	80,569.74	-	-	-	-	-
Deposits	12,922.46	12,922.46	-	-	-	-	-
Deferred income	525,327.65	142,827.65	-	-	-	382,500.00	-
Reserve for encumbrances	14,112.90	6,035.80	-	-	-	8,077.10	-
Real estate contract payable	6,759.97	-	-	-	-	6,759.97	-
Bonds payable	7,958,500.00	-	-	-	-	7,958,500.00	-
Total liabilities and deferred income	<u>8,630,118.51</u>	<u>274,098.82</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>8,355,837.07</u>	<u>182.62</u>
Surplus and fund principal:							
Unappropriated surplus	104,393.56	104,393.56	-	-	-	-	-
Appropriated surplus	85,366.81	85,366.81	-	-	-	-	-
Restricted surplus	626,637.80	-	626,637.80	-	-	-	-
Unexpended reserves	336,980.97	-	-	-	4,711.62	332,269.35	-
Fund principal	11,695,653.76	-	-	27,338.76	2,464,800.68	8,706,775.39	496,738.93
Total surplus and fund principal	<u>12,849,032.90</u>	<u>189,760.37</u>	<u>626,637.80</u>	<u>27,338.76</u>	<u>2,469,512.30</u>	<u>9,039,044.74</u>	<u>496,738.93</u>
(Exhibit B)							
	<u>\$ 21,479,151.41</u>	<u>463,859.19</u>	<u>626,637.80</u>	<u>27,338.76</u>	<u>2,469,512.30</u>	<u>17,394,881.81</u>	<u>496,921.55</u>

UNIVERSITY OF NEW MEXICO

Statement Of Surplus And Fund Principal, All Funds

Year Ended June 30, 1957

	Fund							
	All Funds Combined	Eliminations	Current	Restricted	Loan	Endowment	Plant	Agency
Balance at beginning of year:								
Surplus	\$ 865,545.41	-	213,135.42	652,409.99	-	-	-	-
Unexpended reserves	2,028,824.37	-	-	-	-	4,152.83	2,024,671.54	-
Fund principal	9,058,605.74	-	-	-	23,851.34	2,121,229.08	6,521,364.98	392,160.34
	<u>11,952,975.52</u>	<u>-</u>	<u>213,135.42</u>	<u>652,409.99</u>	<u>23,851.34</u>	<u>2,125,381.91</u>	<u>8,546,036.52</u>	<u>392,160.34</u>
Reclassification of appropriated surplus	-	-	21,411.33	(21,411.33)	-	-	-	-
	<u>11,952,975.52</u>	<u>-</u>	<u>234,546.75</u>	<u>630,998.66</u>	<u>23,851.34</u>	<u>2,125,381.91</u>	<u>8,546,036.52</u>	<u>392,160.34</u>
Additions - Net:								
Revenues	7,130,122.97	12,975.06	5,530,798.56	-	3,603.80	347,267.20	225,393.72	1,036,034.75
Expenditures	<u>6,291,261.88</u>	<u>288,956.00</u>	<u>5,585,516.46</u>	<u>24,926.63</u>	<u>930.49</u>	<u>2,322.70</u>	<u>48,040.50</u>	<u>918,481.10</u>
Excess of revenues over expenditures	838,861.09	(275,980.94)	(54,717.90)	(24,926.63)	2,673.31	344,944.50	177,353.22	117,553.65
Transfers to (from) other funds	-	32,480.94	(565.77)	20,565.77	814.11	(814.11)	25,456.00	(12,975.06)
Unexpended budget for Western Regional Program and uninsurable losses included in appropriated surplus	7,120.15	-	7,120.15	-	-	-	-	-
Portion of group insurance dividend held as a reserve for decline of future dividends	6,835.33	-	6,835.33	-	-	-	-	-
Provision for bad debts	(3,458.19)	-	(3,458.19)	-	-	-	-	-
Appropriated from the Current Fund for retirement of bonds	-	243,500.00	-	-	-	-	243,500.00	-
Additions to plant from the Current Fund	51,299.00	-	-	-	-	-	51,299.00	-
Inter-American Affairs building removed	(9,600.00)	-	-	-	-	-	(9,600.00)	-
Bond proceeds used to retire bonds	5,000.00	-	-	-	-	-	5,000.00	-
	<u>\$ 12,849,032.90</u>	<u>-</u>	<u>189,760.37</u>	<u>626,637.80</u>	<u>27,338.76</u>	<u>2,469,512.30</u>	<u>9,039,044.74</u>	<u>496,738.93</u>
Balance at end of year								
Represented by:								
Unappropriated surplus	\$ 104,393.56	-	104,393.56	-	-	-	-	-
Appropriated surplus	85,366.81	-	85,366.81	-	-	-	-	-
Restricted surplus	626,637.80	-	-	626,637.80	-	-	-	-
Unexpended reserves	336,980.97	-	-	-	-	4,711.62	332,269.35	-
Fund principal	<u>11,695,653.76</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>27,338.76</u>	<u>2,464,800.68</u>	<u>8,706,775.39</u>	<u>496,738.93</u>
Total surplus and fund principal (Exhibit A)	<u>\$ 12,849,032.90</u>	<u>-</u>	<u>189,760.37</u>	<u>626,637.80</u>	<u>27,338.76</u>	<u>2,469,512.30</u>	<u>9,039,044.74</u>	<u>496,738.93</u>

UNIVERSITY OF NEW MEXICO

Plant Fund

Bonds Payable

June 30, 1957

<u>Issue</u>	<u>Date Of Issue</u>	<u>Interest Rate</u>	<u>Original Issue</u>	<u>Outstanding July 1, 1956</u>	<u>Issued Current Year</u>	<u>Retired Current Year</u>	<u>Outstanding June 30, 1957</u>
Building and Improvement:							
Series E	10- 1-34	4%	\$ -	87,000.00	-	8,000.00	79,000.00
Series F	2- 1-36	4%	-	236,000.00	-	21,000.00	215,000.00
Series I-R	8- 1-42	3-1/2%	127,000.00	79,000.00	-	9,000.00	70,000.00
Series J	6- 1-55	2-3/4%	2,000,000.00	2,000,000.00	-	80,000.00	1,920,000.00
Total Building and Improvement Bonds				2,402,000.00	-	118,000.00	2,284,000.00
Revenue:							
Dormitory A	4-15-40	3-1/4%	44,000.00	14,000.00	-	2,000.00	12,000.00
Dormitory B	4-15-40	3-1/4%	44,000.00	14,000.00	-	2,000.00	12,000.00
Dormitory C	4-15-40	3-1/4%	22,000.00	7,000.00	-	1,000.00	6,000.00
Water System	4-15-42	3-1/4%	40,000.00	12,000.00	-	2,000.00	10,000.00
Dormitory D	9- 1-47	3%	125,000.00	25,000.00	-	12,500.00	12,500.00
General Building Bonds of 1948	10- 1-48	3-1/4, 3-1/2, and 3-3/4%	2,200,000.00	2,040,000.00	-	55,000.00	1,985,000.00
Apartment Revenue	7- 1-49	3.65%	125,000.00	102,000.00	-	5,000.00	97,000.00
Recreational Center Improvement Revenue Bonds, Series 1950	3- 1-50	2-3/4 and 3%	170,000.00	146,000.00	-	6,000.00	140,000.00
Building Bonds, Series of 1951	8- 1-51	3.9%	1,600,000.00	1,560,000.00	-	35,000.00	1,525,000.00
Building Bonds, Series of 1952	1- 1-52	3.6%	900,000.00	885,000.00	-	5,000.00	880,000.00
Building Bonds, Series of 1955	6- 1-55	2, 2-1/2, 3, 3.1, 3.2, and 3-1/4%	1,000,000.00	1,000,000.00	-	5,000.00	995,000.00
Total Revenue Bonds				5,805,000.00	-	130,500.00	5,674,500.00
Total (Exhibit A)				\$ 8,207,000.00	-	248,500.00	7,958,500.00

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures And Principal

Year Ended June 30, 1957

	Balance July 1, 1956	Income	Expenditures	Transfers To (From)	Balance June 30, 1957
Accounting conference (New Mexico Society of Certified Public Accountants)	\$ 179.68	-	-	-	179.68
Air Force flight training	418.18	1,419.20	1,200.94	-	636.44
Air Force Office of Science Research	-	13,641.82	13,647.82	-	(6.00)
Air Force R.O.T.C. fees	553.07	1,807.90	1,458.88	-	902.09
Air Force R.O.T.C. losses	1.87	20.72	22.59	-	-
Air Force R.O.T.C. uniforms	222.59	2,475.69	1,968.73	-	729.55
Air Force R.O.T.C. cleaning uniforms	104.06	40.24	144.30	-	-
Albuquerque Open, Inc.	3,625.26	-	-	-	3,625.26
Alumni Association - War Memorial Chapel	55,167.70	7,031.28	485.39	-	61,713.59
Alumni Association - Zimmerman Memorial	2,111.00	50.00	-	-	2,161.00
Alumni Savings Fund	1,842.75	87.75	-	-	1,930.50
American Cancer Society - Biology Department	12.23	5,750.00	5,747.52	-	14.71
American Assembly	(19.79)	2,220.00	2,200.21	-	-
Anthropology Field Work Grant	50.00	-	25.00	-	25.00
Anthropology Research	-	1,000.00	294.31	-	705.69
Art Scholarship Fund	45.67	130.66	-	(150.00)	26.33
Associated Students	22,953.19	282,049.30	287,838.49	(14,825.82)	2,338.18
Associated Students Bookstore	2,519.60	286,718.40	265,214.29	(14,263.48)	9,760.23
Athletic equipment	608.63	2,476.90	1,956.29	-	1,129.24
Athletic Program Fund	-	3,502.57	6,873.21	3,370.64	-
Balloon Ozone - Physics	(1,700.34)	397.18	6,267.94	278.00	(7,293.10)
Behavioral Science Conference - Sociology Department	-	10,548.26	10,982.53	-	(434.27)
Betty Hall Memorial	347.93	-	-	-	347.93
Biology field trips	-	50.00	-	-	50.00
Bureau of Business Research	1,994.56	3,107.38	3,195.07	-	1,906.87
Buranisini, Samborn	-	150.00	150.00	-	-
Business History Foundation	946.05	-	168.00	-	778.05
Business Office Welfare Fund	99.50	236.96	202.14	-	134.32
Campus parking	2,065.56	3,645.54	2,988.14	-	2,722.96
Chi Epsilon	290.22	411.65	357.85	-	344.02
Club maintenance - Building and grounds	441.33	619.17	545.44	-	515.06
Coronado Congress	16.86	-	-	-	16.86
Coronado scholarships	296.11	-	-	-	296.11
Cottrell Grant - Physics	61.86	278.00	61.86	(278.00)	-
Degan Estate (Mabel Hussey Degan, Taos)	5,000.00	1,150.00	5,721.88	-	428.12
Development	-	42.13	2,426.48	2,384.35	-
Dormitory damages	-	2,512.92	2,512.92	-	-
Drama Fund	3,600.00	-	-	-	3,600.00
Dry Cleaning Board	404.43	-	-	-	404.43
Economic Development Committee	(30.57)	15,659.00	14,937.25	-	691.18
Educational Guidance Service	31.94	2,270.48	2,302.42	-	-

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures And Principal, Continued

	Balance July 1, 1956	Income	Expenditures	Transfers To (From)	Balance June 30, 1957
Edwin B. Swope Memorial Collection (library books)	\$ 80.00	-	-	-	80.00
Eli Lilly Grant	-	2,500.00	319.25	-	2,180.75
Engineering equipment	-	850.00	850.00	-	-
Ernie Pyle Memorial	29.77	-	22.10	-	7.67
Extension Division - Institute Fund	160.00	9,153.37	6,927.43	(2,385.94)	-
Faculty Flower Fund	44.37	80.50	56.35	-	68.52
Ford Experiment	4,936.36	16,637.50	20,579.58	-	994.28
Ford Foundation	17,956.76	-	350.00	-	17,606.76
Ford Foundation Press	-	5,400.00	-	-	5,400.00
Fund for Advancement of Education - TV	-	11,150.00	-	-	11,150.00
General scholarships	17,097.84	23,766.39	24,420.86	400.00	16,843.37
Historical Publication Fund	1,250.00	-	-	-	1,250.00
Hokona Dormitory damages	-	259.55	259.55	-	-
Holloman Air Force Base	-	-	2,840.38	-	(2,840.38)
I.I.E. - Hungarian students	-	3,880.50	3,651.72	-	228.78
Inter-American Affairs	1,436.12	-	-	-	1,436.12
Inter-cultural workshop	171.31	788.00	1,167.94	-	(208.63)
International geophysics	10,000.00	17,000.00	5,032.15	-	21,967.85
Law Library Fund	214.61	1,253.88	1,354.03	-	114.46
Mescalero Apache Business Committee	-	856.80	1,136.80	-	(280.00)
Mescalero Land Claims	-	14,000.00	6,732.33	-	7,267.67
Music Performance Awards	-	600.00	-	-	600.00
National Aluminate Chemistry Fellowship	-	3,000.00	155.55	-	2,844.45
National Institute of Health - Chemistry Department	2,672.08	1,457.00	3,965.67	-	163.41
National Institute of Health - Biology Department	1,843.16	2,296.34	3,461.77	-	677.73
National Institute of Health - Pharmacy Department	4,220.39	5,324.00	6,973.34	-	2,571.05
National Science Foundation - Biology Department	-	3,200.00	325.06	-	2,874.94
National Science Foundation - Physics Department	493.31	-	493.31	-	-
National Science Foundation - Civil Engineering Department	10,200.00	-	5,530.17	-	4,669.83
National Science Foundation - Elect Engineering Department	-	9,000.00	1,148.15	-	7,851.85
National Science Foundation - Biology Department	-	5,400.00	269.43	-	5,130.57
National Science Foundation - Psychology Department	-	8,900.00	16.90	-	8,883.10
Naval Research - Elect Engineering Department	-	3,042.40	3,979.07	-	(936.67)
New Mexico International Student Exchange	65.76	-	65.76	-	-
New Mexico Scholarship Fund	17,603.00	19,495.68	-	(17,003.00)	20,095.68
Opera Workshop	797.38	150.00	659.53	500.00	787.85
Pharmacy Activities Fund	-	475.00	-	-	475.00
Pharmacy gift for equipment	77.10	-	77.10	-	-
Pharmacy inspection trip	525.00	1,474.90	1,189.90	-	810.00
Pharmacy Scholarship Fund	12,526.14	854.50	1,915.00	-	11,465.64
Pioneers Foundation	(630.17)	1,890.41	1,260.24	-	-
Research Corporation Grant - Physics Department	-	8,375.00	-	-	8,375.00
Research Corporation Grant - Mathematics Department	61.26	-	61.26	-	-
Research for the Future	-	25,000.00	20,839.85	-	4,160.15
Riding commissions	95.00	2,152.00	2,055.00	-	192.00

UNIVERSITY OF NEW MEXICO

Agency Fund

Revenues, Expenditures And Principal, Continued

	Balance July 1, 1956	Income	Expenditures	Transfers To (From)	Balance June 30, 1957
Rocky Mountain Language Association	\$ -	257.87	94.90	-	162.97
Sandia Corporation - Electrical Engineering Department	(6.25)	3,891.76	3,885.51	-	-
Sandia Corporation - Electrical Engineering Department	(22.23)	14,063.72	15,287.74	-	(1,246.25)
Sandia Corporation Terrain Return - Electrical Engineering Department	-	8,678.89	10,390.90	-	(1,712.01)
Sigma XI	190.04	478.75	356.92	-	311.87
Smith, Kline and French	2,069.61	-	1,482.23	-	587.38
Southwest Project in Linguistics	(365.27)	475.40	110.13	-	-
Spatter numerals	-	10.00	418.89	408.89	-
Student Union	-	-	6.00	28,489.90	28,483.90
Student Union Building Fund	188,572.02	46,908.00	28,342.85	-	207,137.17
Summer Institute for Science Teachers	(9,341.66)	59,025.00	40,271.57	-	9,411.77
Surface Ozone - Physics	(4,574.80)	545.68	6,772.29	-	(10,801.41)
Surveying equipment rental	(443.65)	3,036.67	3,321.79	-	(728.77)
Television Grant	-	3,000.00	1,873.46	-	1,126.54
Thomas S. Bell Fund	-	850.00	463.47	-	386.53
Tutoring (New Mexico Club)	-	915.50	869.50	-	46.00
Twenty-One Club	55.20	238.50	196.10	-	97.60
University Chorus	281.62	2,317.00	1,807.42	478.22	1,269.42
University Orchestra	140.00	274.00	35.18	(378.82)	-
University of California - Mechanical Engineering Department	-	2,018.25	2,027.10	-	(8.85)
University of California - Chemistry Department	54.15	26,843.08	26,899.78	-	(2.55)
University of New Mexico Historical Fund	5,750.73	374.93	-	-	6,125.66
Upjohn Grant	37.36	-	9.75	-	27.61
Vending Machines Scholarship Fund	-	666.93	-	-	666.93
Walter Sullivan Memorial	75.79	-	17.20	-	58.59
Wenner Gren Foundation	1,500.00	-	1,500.00	-	-
Total (Exhibit B)	\$ 392,160.34	1,036,034.75	918,481.10	(12,975.06)	496,738.93

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues And Expenditures

Year Ended June 30, 1957
With Comparative Figures For 1956

Revenues	Year Ended		Increase (Decrease)
	1957	1956	
Educational and general:			
Student fees:			
Tuition	\$ 679,707.35	557,268.86	122,438.49
Correspondence	10,829.21	9,322.45	1,506.76
Extension classes	24,084.94	12,622.14	11,462.80
Holloman classes	4,896.00	19,050.00	(14,154.00)
Los Alamos classes	27,833.80	18,903.70	8,930.10
Community evening college	29,524.80	24,347.95	5,176.85
All other student fees	28,879.32	26,148.36	2,730.96
State appropriation	2,595,334.00	2,549,724.00	45,610.00
Los Alamos instructional program	39,195.86	18,903.70	20,292.16
Holloman instructional program	25,659.00	19,050.00	6,609.00
Sales and services from educational departments	70,143.32	4,583.54	65,559.78
Land and Permanent Fund income, not pledged	-	138,000.00	(138,000.00)
Total educational and general	<u>3,536,087.60</u>	<u>3,397,924.70</u>	<u>138,162.90</u>
Organized activities related to instruction:			
Intercollegiate athletics	133,931.64	115,730.76	18,200.88
University Press	53,829.97	66,073.26	(12,243.29)
University publications	7,020.45	9,650.03	(2,629.58)
Total organized activities	<u>194,782.06</u>	<u>191,454.05</u>	<u>3,328.01</u>
Non-educational income:			
Land and Permanent Fund income, pledged	193,500.00	51,770.00	141,730.00
Scholarships	-	26,648.42	(26,648.42)
Tuition pledged to bond issues	304,000.00	304,675.00	(675.00)
Western regional program	66,500.00	66,500.00	-
Rent, geology building, pledged	60,971.03	59,923.44	1,047.59
Total non-educational	<u>624,971.03</u>	<u>509,516.86</u>	<u>115,454.17</u>
Auxiliary enterprises and activities:			
Dining halls and snack bar	419,242.71	347,846.62	71,396.09
Residence halls	258,420.83	206,040.00	52,380.83
University golf course	154,537.53	150,076.73	4,460.80
Heating plant	194,718.41	164,854.06	29,864.35
Printing plant	148,038.39	155,562.53	(7,524.14)
Total auxiliary enterprises	<u>1,174,957.87</u>	<u>1,024,379.94</u>	<u>150,577.93</u>
Total Current Fund revenues	<u>5,530,798.56</u>	<u>5,123,275.55</u>	<u>407,523.01</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues And Expenditures, Continued

Expenditures	Year Ended		Increase (Decrease)
	1957	June 30, 1956	
Educational and general:			
Administrative and general:			
General administrative offices:			
Board of Educational Finance	\$ 12,709.00	12,643.00	66.00
Board of Regents	397.33	344.19	53.14
Comptroller's office	100,094.99	88,177.78	11,917.21
Counseling and testing	40,002.22	38,407.23	1,594.99
Director of Student Affairs	21,569.59	22,130.49	(560.90)
Personnel office	53,423.59	43,007.64	10,415.95
President's office	28,655.62	28,600.76	54.86
Registrar's office	80,610.41	71,961.84	8,648.57
	<u>337,462.75</u>	<u>305,272.93</u>	<u>32,189.82</u>
Less general overhead applied to auxiliary enterprises	74,891.29	68,165.24	6,726.05
Total administrative	<u>262,571.46</u>	<u>237,107.69</u>	<u>25,463.77</u>
General expense:			
Administrative retirement	10,263.80	9,014.95	1,248.85
Administrative travel	1,605.64	1,868.72	(263.08)
Alumni Association	15,599.56	16,491.24	(891.68)
Auditing	3,750.00	3,300.00	450.00
Commencement and diplomas	4,434.66	4,570.49	(135.83)
Development	12,465.59	-	12,465.59
Dues and memberships	1,997.00	2,567.00	(570.00)
Food stores	11,120.39	10,498.94	621.45
Group insurance	13,087.17	14,836.61	(1,749.44)
High school activities	1,802.24	1,674.01	128.23
Honoraria and moving costs	10,894.43	3,420.41	7,474.02
Department of Information	18,329.84	18,129.78	200.06
Legal expense	4,318.19	4,238.77	79.42
Mimeograph and mailing	5,189.73	6,174.54	(984.81)
Placement Bureau	11,416.01	10,829.51	586.50
Postage and postal service	22,036.83	18,456.11	3,580.72
Receptions and entertainment	2,606.24	1,933.39	672.85
Social security taxes	4,481.37	10,059.96	(5,578.59)
Student health service	42,778.67	47,737.67	(4,959.00)
Telephone and telegraph	32,778.03	31,019.90	1,758.13
Workmen's compensation	-	4,000.00	(4,000.00)
Miscellaneous expense	13,675.74	9,203.29	4,472.45
Total general expense	<u>244,631.13</u>	<u>230,025.29</u>	<u>14,605.84</u>
Total administrative and general	<u>507,202.59</u>	<u>467,132.98</u>	<u>40,069.61</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues And Expenditures, Continued

<u>Expenditures</u>	Year Ended		Increase (Decrease)
	1957	June 30, 1956	
Educational and general, continued:			
Instructional:			
Academic vice-president	\$ 26,075.24	22,174.62	3,900.62
General research	5,500.00	6,223.69	(723.69)
Graduate school	19,222.15	18,410.91	811.24
College of Arts and Sciences:			
Administrative office	26,869.28	25,414.86	1,454.42
Anthropology	46,262.04	36,624.06	9,637.98
Biology	77,866.42	77,600.39	266.03
Chemistry	65,126.42	62,254.96	2,871.46
Economics	24,573.75	28,542.92	(3,969.17)
English	145,401.28	129,112.85	16,288.43
Geography	5,620.72	5,335.81	284.91
Geology	54,181.21	48,117.69	6,063.52
Government	36,744.78	32,434.96	4,309.82
History	53,837.32	48,570.55	5,266.77
Journalism	13,054.22	13,844.75	(790.53)
Mathematics and astronomy	90,877.05	73,419.36	17,457.69
Modern languages	96,432.49	92,053.13	4,379.36
Philosophy	17,383.04	15,960.61	1,422.43
Physics	53,625.94	52,575.37	1,050.57
Psychology	44,980.62	42,529.18	2,451.44
School of Inter-American Affairs	10,323.14	10,667.49	(344.35)
Sociology	23,572.66	25,261.14	(1,688.48)
Speech	33,551.90	31,710.12	1,841.78
Total College of Arts and Sciences	920,284.28	852,030.20	68,254.08
College of Business Administration	77,399.15	77,807.66	(408.51)
College of Education:			
Administrative office	19,231.02	17,793.49	1,437.53
Art education	11,995.98	10,241.24	1,754.74
Elementary education	18,125.73	20,535.44	(2,409.71)
Guidance and counseling	6,642.93	-	6,642.93
Home economics	25,002.50	23,472.88	1,529.62
Physical education - Men	54,829.38	52,166.93	2,662.45
Physical education - Women	32,799.71	29,803.04	2,996.67
Placement Bureau	2,764.84	3,536.57	(771.73)
School administration	23,285.43	22,692.64	592.79
Secondary education	35,969.05	34,622.41	1,346.64
Total College of Education	230,646.57	214,864.64	15,781.93

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues And Expenditures, Continued

Expenditures	Year Ended		Increase (Decrease)
	1957	June 30, 1956	
Educational and general, continued:			
Instructional, continued:			
College of Engineering:			
Administrative office	14,499.60	14,652.65	(153.05)
Architecture	37,515.04	32,197.29	5,317.75
Chemical	21,036.86	18,044.47	2,992.39
Civil	43,959.25	42,775.51	1,183.74
Electrical	53,989.78	41,620.70	12,369.08
Mechanical	58,767.00	57,902.22	864.78
Total College of Engineering	<u>229,767.53</u>	<u>207,192.84</u>	<u>22,574.69</u>
College of Fine Arts:			
Administrative office	11,686.81	11,405.28	281.53
Art	73,476.11	64,244.84	9,231.27
Drama	28,828.08	26,388.45	2,439.63
Music	87,240.47	69,846.66	17,393.81
Total College of Fine Arts	<u>201,231.47</u>	<u>171,885.23</u>	<u>29,346.24</u>
College of Law	<u>62,356.71</u>	<u>55,886.23</u>	<u>6,470.48</u>
College of Nursing	<u>19,939.81</u>	<u>13,539.79</u>	<u>6,400.02</u>
College of Pharmacy	<u>45,008.28</u>	<u>42,829.11</u>	<u>2,179.17</u>
Instructional miscellaneous	-	6,606.66	(6,606.66)
Other instructional:			
Air Reserve Officers Training Corps	7,534.59	6,991.45	543.14
Group insurance	27,390.15	30,748.75	(3,358.60)
Holloman instructional program	27,328.81	15,551.68	11,777.13
Los Alamos instructional program	54,686.85	17,264.00	37,422.85
Naval Reserve Officers Training Corps	4,364.07	4,697.84	(333.77)
Social security taxes	30,480.84	38,456.29	(7,975.45)
State retirement	46,249.50	41,033.25	5,216.25
Student employment	23,003.97	22,832.55	171.42
Student participational	58,281.83	88,493.87	(30,212.04)
Summer and field sessions	105,195.79	85,672.37	19,523.42
Total other instruction	<u>384,516.40</u>	<u>351,742.05</u>	<u>32,774.35</u>
Total instructional	<u>2,221,947.59</u>	<u>2,041,193.63</u>	<u>180,753.96</u>
Organized research:			
Business research	32,255.38	29,773.70	2,481.68
Government research	5,906.04	5,640.93	265.11
Historical research	16,277.35	8,820.22	7,457.13
Meteoritics	7,350.63	7,509.82	(159.19)
Total organized research	<u>61,789.40</u>	<u>51,744.67</u>	<u>10,044.73</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues And Expenditures, Continued

Expenditures	June 30,		Increase (Decrease)
	1957	1956	
Educational and general, continued:			
Extension Division:			
Administrative office	\$ 30,253.12	27,429.57	2,823.55
Community evening college salaries	20,415.00	18,131.25	2,283.75
Correspondence salaries	5,883.62	5,132.89	750.73
Extension class salaries	14,179.00	6,415.00	7,764.00
Film library	4,426.22	1,443.30	2,982.92
Harwood Foundation	5,672.82	6,820.74	(1,147.92)
Television program	4,263.03	4,058.53	204.50
Total Extension Division	<u>85,092.81</u>	<u>69,431.28</u>	<u>15,661.53</u>
Law library	8,936.84	8,290.26	646.58
Library	<u>179,309.55</u>	<u>163,161.26</u>	<u>16,148.29</u>
Total libraries	<u>188,246.39</u>	<u>171,451.52</u>	<u>16,794.87</u>
Operation and maintenance of physical plant:			
Administrative office	47,209.65	46,985.06	224.59
Janitorial service	105,335.78	95,613.54	9,722.24
Harwood Foundation	7,010.57	5,974.57	1,036.00
Maintenance of grounds	64,525.13	63,356.15	1,168.98
Policemen and watchmen	29,574.57	25,873.60	3,700.97
Property insurance	16,258.03	10,326.05	5,931.98
Property rental	183.11	1,470.49	(1,287.38)
Repairs to buildings and equipment	214,290.37	217,307.56	(3,017.19)
Repairs to vehicles	26,217.23	21,639.61	4,577.62
Utilities	142,746.39	135,203.11	7,543.28
Workmen's compensation	-	4,000.00	(4,000.00)
Miscellaneous expense	500.98	280.20	220.78
	<u>653,851.81</u>	<u>628,029.94</u>	<u>25,821.87</u>
Less charges applied to other departments	<u>94,236.81</u>	<u>88,373.71</u>	<u>5,863.10</u>
Total operation and maintenance of plant	<u>559,615.00</u>	<u>539,656.23</u>	<u>19,958.77</u>
Total educational and general	<u>3,623,893.78</u>	<u>3,340,610.31</u>	<u>283,283.47</u>
Organized activities related to instruction:			
Home management	1,603.31	1,508.90	94.41
Intercollegiate athletics	302,907.01	185,474.39	117,432.62
University band	1,771.11	1,663.92	107.19
University Press	76,925.16	86,934.51	(10,009.35)
University publications	19,376.89	29,290.45	(9,913.56)
Total organized activities	<u>402,583.48</u>	<u>304,872.17</u>	<u>97,711.31</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues And Expenditures, Continued

<u>Expenditures</u>	Year Ended		Increase (Decrease)
	<u>1957</u>	<u>June 30,</u> <u>1956</u>	
Non-educational:			
Bond interest	\$ 191,630.50	196,803.00	(5,167.50)
Bond principal	243,500.00	134,500.00	109,000.00
Bond Reserve Fund	20,000.00	20,000.00	-
Loan interest	361.45	422.48	(61.03)
Scholarships	16,056.24	49,108.76	(33,052.52)
Western Regional Program	66,500.00	64,349.60	2,150.40
Total non-educational	<u>538,053.19</u>	<u>465,183.84</u>	<u>72,869.35</u>
Auxiliary enterprises and activities:			
Dining halls and snack bar	378,147.87	329,744.55	48,403.32
Residence halls	202,297.13	139,885.27	62,411.86
University golf course	127,642.53	131,950.53	(4,308.00)
Heating plant	181,352.95	166,750.71	14,602.24
Printing plant	131,545.53	146,060.75	(14,515.22)
Total auxiliary enterprises	<u>1,020,986.01</u>	<u>914,391.81</u>	<u>106,594.20</u>
Total Current Fund expenditures	<u>5,585,516.46</u>	<u>5,025,058.13</u>	<u>560,458.33</u>
Excess of revenues over expenditures	(54,717.90)	<u>98,217.42</u>	<u>(152,935.32)</u>
Transfer to Restricted Fund - Net revenue from apartments	(565.77)		
Other additions, net:			
Unexpended budget for Western Regional Program and uninsurable losses included in appropriated surplus	7,120.15		
Portion of group insurance dividend held as a reserve for decline of future dividends	6,835.33		
Provision for bad debts	(3,458.19)		
Net addition	<u>(44,786.38)</u>		
Current Fund surplus at beginning of year	<u>234,546.75</u>		
Current Fund surplus at end of year	\$ <u>189,760.37</u>		

UNIVERSITY OF NEW MEXICO

Current Fund

Revenues And Expenditures, Continued

Represented by:

Unappropriated surplus	\$ 104,393.56
Appropriated surplus:	
Reserve for auxiliaries	50,000.00
Reserve for uninsurable losses	19,746.40
Western Regional Program	8,785.08
Reserve for group insurance	<u>6,835.33</u>
	85,366.81
Total (Exhibit B)	\$ <u>189,760.37</u>

UNIVERSITY OF NEW MEXICO

Inter-Collegiate Athletics

Statement of Income

Year Ended June 30, 1957
 With Comparative Figures For 1956

	Year Ended		Increase (Decrease)
	1957	1956	
Income:			
Sales of tickets, etc:			
Football	\$ 48,398.88	48,604.52	(205.64)
Basketball	5,466.86	8,291.45	(2,824.59)
Student fees	31,312.00	33,484.49	(2,172.49)
Guarantees:			
Football	23,822.70	19,381.65	4,441.05
Basketball	711.72	400.00	311.72
Gifts and grants	16,753.00	-	16,753.00
Commissions income	7,106.48	4,732.65	2,373.83
Minor sports income	360.00	836.00	(476.00)
Total income	<u>133,931.64</u>	<u>115,730.76</u>	<u>18,200.88</u>
Expenditures:			
General expense:			
Grants-in-aid	107,768.77	17,891.47	89,877.30
Salaries	60,860.64	44,886.40	15,974.24
Conference dues and travel	8,980.24	9,057.22	(76.98)
Applied general overhead	6,696.58	5,687.21	1,009.37
Miscellaneous	10,326.82	8,184.97	2,141.85
	<u>194,633.05</u>	<u>85,707.27</u>	<u>108,925.78</u>
Football expense:			
Game guarantees	25,592.41	33,677.94	(8,085.53)
Team travel	15,152.17	14,259.85	892.32
Game expense	7,734.37	7,971.03	(236.66)
Miscellaneous	18,786.18	14,879.84	3,906.34
	<u>67,265.13</u>	<u>70,788.66</u>	<u>(3,523.53)</u>
Basketball expense:			
Team travel	9,811.64	7,132.67	2,678.97
Game expense	3,268.30	2,590.73	677.57
Game guarantees	1,495.40	498.00	997.40
Miscellaneous	4,605.71	2,630.32	1,975.39
	<u>19,181.05</u>	<u>12,851.72</u>	<u>6,329.33</u>

UNIVERSITY OF NEW MEXICO
Inter-Collegiate Athletics
Statement Of Income, Continued

	Year Ended June 30,		Increase (Decrease)
	1957	1956	
Expenditures, continued:			
Minor sports	\$ 18,068.38	14,113.31	3,955.07
Concession expense	3,759.40	2,013.43	1,745.97
Total expenditures	302,907.01	185,474.39	117,432.62
Net income (loss)	\$(168,975.37)	(69,743.63)	(99,231.74)

Note:

Gifts and grants for the year ended June 30, 1956, in the amount of \$26,648.42, were included as non-educational income. Athletic grants-in-aid of \$64,143.20 for that year were charged as scholarships and student participation. After adjusting for these figures the net loss for the year ended June 30, 1956 was \$107,238.41.

UNIVERSITY OF NEW MEXICO

University Press

Statement of Income

Year Ended June 30, 1957
With Comparative Figures For 1956

	Year Ended		Increase (Decrease)
	1957	June 30, 1956	
Sales of publications	\$ <u>53,829.97</u>	<u>66,073.26</u>	(<u>12,243.29</u>)
Cost of goods sold (including royalties of \$5,037.42)	29,513.54	33,902.25	(4,388.71)
Market decline in inventory	<u>12,938.26</u>	<u>9,677.61</u>	<u>3,260.65</u>
	<u>42,451.80</u>	<u>43,579.86</u>	<u>(1,128.06)</u>
Gross profit	<u>11,378.17</u>	<u>22,493.40</u>	<u>(11,115.23)</u>
Publishing and selling expense:			
Advertising	2,036.89	4,312.61	(2,275.72)
Applied general overhead	2,691.50	3,303.66	(612.16)
Bad debts	74.89	14.21	60.68
Commissions	2,941.23	3,972.62	(1,031.39)
Depreciation	188.00	188.00	-
Free books issued	67.60	340.81	(273.21)
Insurance	-	1.51	(1.51)
Miscellaneous	275.35	611.96	(336.61)
Retirement	733.75	721.45	12.30
Salaries	22,867.74	26,053.38	(3,185.64)
Supplies and postage	1,525.56	1,852.30	(326.74)
Telephone and telegraph	132.70	409.94	(277.24)
Travel	266.31	791.09	(524.78)
Type storage	290.00	781.11	(491.11)
Social security taxes	381.84	-	381.84
	<u>34,473.36</u>	<u>43,354.65</u>	<u>(8,881.29)</u>
Net income (loss)	\$ <u>(23,095.19)</u>	<u>(20,861.25)</u>	<u>(2,233.94)</u>

UNIVERSITY OF NEW MEXICO

Dining Halls And Snack Bar

Statement Of Income

Year Ended June 30, 1957
With Comparative Figures For 1956

	Hokona Dining Hall	Mesa Vista Dining Hall	Mesa Vista Snack Bar	Total June 30, 1957	Total June 30, 1956	Increase (Decrease)
Income from sales	\$ 162,072.04	238,243.27	18,927.40	419,242.71	347,846.62	71,396.09
Expenditures:						
Cost of sales:						
Food	66,438.58	110,184.35	11,012.92	187,635.85	161,862.09	25,773.76
Other	10,443.76	28,574.58	529.50	39,547.84	26,879.37	12,668.47
	<u>76,882.34</u>	<u>138,758.93</u>	<u>11,542.42</u>	<u>227,183.69</u>	<u>188,741.46</u>	<u>38,442.23</u>
Wages	50,723.83	58,160.04	2,883.50	111,767.37	104,481.00	7,286.37
Operation and maintenance:						
Repairs and maintenance	1,779.24	3,300.85	314.10	5,394.19	4,641.38	752.81
Depreciation	1,500.00	1,500.00	-	3,000.00	4,144.00	(1,144.00)
Janitorial service	1,342.86	692.12	-	2,034.98	2,108.58	(73.60)
Insurance	120.00	160.00	-	280.00	265.00	15.00
	<u>4,742.10</u>	<u>5,652.97</u>	<u>314.10</u>	<u>10,709.17</u>	<u>11,158.96</u>	<u>(449.79)</u>
Administrative expense:						
Applied general overhead	8,093.08	11,922.69	946.37	20,962.14	17,392.33	3,569.81
Retirement and social security taxes	1,940.32	2,252.65	121.96	4,314.93	3,913.94	400.99
Miscellaneous	1,405.33	1,803.74	1.50	3,210.57	4,056.86	(846.29)
	<u>11,438.73</u>	<u>15,979.08</u>	<u>1,069.83</u>	<u>28,487.64</u>	<u>25,363.13</u>	<u>3,124.51</u>
Total expenditures	<u>143,787.00</u>	<u>218,551.02</u>	<u>15,809.85</u>	<u>378,147.87</u>	<u>329,744.55</u>	<u>48,403.32</u>
Net income before debt service charges	<u>18,285.04</u>	<u>19,692.25</u>	<u>3,117.55</u>	<u>41,094.84</u>	<u>18,102.07</u>	<u>22,992.77</u>
Debt service:						
Bond interest.	6,080.50	19,326.13	-	25,406.63	19,790.87	5,615.76
Bond principal	-	14,300.00	-	14,300.00	14,300.00	-
	<u>6,080.50</u>	<u>33,626.13</u>	<u>-</u>	<u>39,706.63</u>	<u>34,090.87</u>	<u>5,615.76</u>
Net income (loss) after debt service charge	\$ <u>12,204.54</u>	<u>(13,933.88)</u>	<u>3,117.55</u>	<u>1,388.21</u>	<u>(15,988.80)</u>	<u>17,377.01</u>

UNIVERSITY OF NEW MEXICO

Residence Halls

Statement Of Income

Year Ended June 30, 1957
With Comparative Figures For 1956

	Hokons Hall	Mesa Vista Dormitory	University Of New Mexico Apartments	Sunset Mesa Dwelling Units	Temporary Buildings	Total June 30, 1957	Year Ended June 30, 1956	Increase (Decrease)
Rental income	\$ 89,087.55	115,652.36	17,322.67	17,851.15	18,507.10	258,420.83	206,040.00	52,380.83
Expenditures:								
Salaries and wages	23,518.55	27,167.64	1,138.84	2,059.80	1,774.04	55,658.87	45,260.06	10,398.81
Operation and maintenance:								
Depreciation	5,200.00	5,200.00	1,500.00	1,600.00	4,740.00	18,240.00	15,136.00	3,104.00
Insurance	1,290.00	1,040.00	110.00	300.00	200.00	2,940.00	2,064.67	875.33
Janitor service	3,353.32	2,287.52	230.50	347.25	245.62	6,464.21	4,826.62	1,637.59
Laundry	4,194.98	4,957.44	-	-	713.00	9,865.42	6,636.42	3,229.00
Repairs and maintenance	6,001.78	3,655.22	1,434.82	2,351.42	1,323.81	14,767.05	11,648.14	3,118.91
Retirement	473.72	712.89	25.55	51.09	-	1,263.25	940.70	322.55
Social security taxes	512.62	612.55	-	-	20.82	1,145.99	1,228.19	(82.20)
Supplies	7,468.25	6,253.07	865.02	252.37	75.37	14,914.08	6,505.40	8,408.68
Telephone and telegraph	5,330.89	378.59	-	30.69	55.86	5,796.03	1,587.03	4,209.00
Utilities	28,639.19	17,041.29	1,954.29	4,248.17	5,180.31	57,063.25	32,498.74	24,564.51
	62,464.75	42,138.57	6,120.18	9,180.99	12,554.79	132,459.28	83,071.91	49,387.37
Administrative expenses:								
Applied general overhead	4,454.38	5,742.06	866.13	892.56	925.35	12,880.48	10,266.25	2,614.23
Miscellaneous	475.15	814.79	-	-	8.56	1,298.50	1,287.05	11.45
	4,929.53	6,556.85	866.13	892.56	933.91	14,178.98	11,553.30	2,625.68
Total expenditures	90,912.83	75,863.06	8,125.15	12,133.35	15,262.74	202,297.13	139,885.27	62,411.86
Net income (loss) before debt service charges	(1,825.28)	39,789.30	9,197.52	5,717.80	3,244.36	56,123.70	66,154.73	(10,031.03)
Debt service:								
Bond interest	9,120.75	28,245.87	3,631.75	-	-	40,998.37	33,779.38	7,218.99
Bond principal	-	20,900.00	5,000.00	-	-	25,900.00	29,900.00	(4,000.00)
	9,120.75	49,145.87	8,631.75	-	-	66,898.37	63,679.38	(3,218.99)
Net income (loss) after debt service charges	\$(10,946.03)	(9,356.57)	565.77	5,717.80	3,244.36	(10,774.67)	2,475.35	(13,250.02)

UNIVERSITY OF NEW MEXICO

University Golf Course

Statement of Income

Year Ended June 30, 1957
 With Comparative Figures For 1956

	Year Ended		Increase (Decrease)
	June 30, 1957	1956	
Income:			
Greens fees	\$ 65,410.82	61,351.49	4,059.33
Sales	55,751.64	54,055.93	1,695.71
Student fees	15,636.00	16,742.25	(1,106.25)
Memberships	13,395.50	13,797.95	(402.45)
Club rentals and storage	4,086.11	3,984.85	101.26
Miscellaneous	257.46	144.26	113.20
Total income	<u>154,537.53</u>	<u>150,076.73</u>	<u>4,460.80</u>
Expenditures:			
Salaries	<u>56,378.57</u>	<u>54,566.22</u>	<u>1,812.35</u>
Cost of sales	<u>38,211.55</u>	<u>36,045.85</u>	<u>2,165.70</u>
Operation and maintenance	<u>20,427.48</u>	<u>25,381.16</u>	<u>(4,953.68)</u>
Administrative expense:			
Applied general overhead	7,759.95	7,497.70	262.25
Other	4,864.98	5,094.91	(229.93)
	<u>12,624.93</u>	<u>12,592.61</u>	<u>32.32</u>
Capital outlay	-	<u>3,364.69</u>	<u>(3,364.69)</u>
Total expenditures	<u>127,642.53</u>	<u>131,950.53</u>	<u>4,308.00</u>
Excess of income over expenditures before debt service charges	<u>26,895.00</u>	<u>18,126.20</u>	<u>8,768.80</u>
Debt service:			
Bond interest	4,287.50	4,425.00	(137.50)
Bond principal	<u>6,000.00</u>	<u>5,000.00</u>	<u>1,000.00</u>
	<u>10,287.50</u>	<u>9,425.00</u>	<u>862.50</u>
Excess of income over expenditures and debt service charges	\$ <u>16,607.50</u>	<u>8,701.20</u>	<u>7,906.30</u>

UNIVERSITY OF NEW MEXICO

Heating Plant

Statement Of Income

Year Ended June 30, 1957
 With Comparative Figures For 1956

	Year Ended June 30,		Increase (Decrease)
	1957	1956	
Income	\$ <u>194,718.41</u>	<u>164,854.06</u>	<u>29,864.35</u>
Expenditures:			
Operation and maintenance:			
Fuel	49,298.70	43,470.60	5,828.10
Insurance	1,127.69	1,475.02	(347.33)
Repairs and maintenance	5,946.97	19,070.14	(13,123.17)
Retirement	430.36	583.40	(153.04)
Salaries	21,202.12	21,616.75	(414.63)
Social security taxes	375.71	335.03	40.68
Supplies	283.68	41.70	241.98
Utilities	<u>92,036.81</u>	<u>71,284.67</u>	<u>20,752.14</u>
	<u>170,702.04</u>	<u>157,877.31</u>	<u>12,824.73</u>
Administrative expense:			
Applied general overhead	9,735.92	8,242.70	1,493.22
Miscellaneous	914.99	630.70	284.29
	<u>10,650.91</u>	<u>8,873.40</u>	<u>1,777.51</u>
Total expenditures	<u>181,352.95</u>	<u>166,750.71</u>	<u>14,602.24</u>
Net income (loss) before debt service charges	13,365.46	(1,896.65)	15,262.11
Debt service:			
Bond interest	10,034.72	10,276.03	(241.31)
Bond principal	<u>7,425.00</u>	<u>7,425.00</u>	-
	<u>17,459.72</u>	<u>17,701.03</u>	<u>(241.31)</u>
Net income (loss) after debt service charges	\$ <u>(4,094.26)</u>	<u>(19,597.68)</u>	<u>15,503.42</u>

UNIVERSITY OF NEW MEXICO
 Printing Plant
 Statement Of Income
 Year Ended June 30, 1957
 With Comparative Figures For 1956

	Year Ended		Increase (Decrease)
	June 30,		
	<u>1957</u>	<u>1956</u>	
Income from sales	\$ <u>148,038.39</u>	<u>155,562.53</u>	<u>(7,524.14)</u>
Cost of sales:			
Computed cost of sales	133,318.05	146,809.09	(13,491.04)
Less overabsorbed overhead	<u>1,772.52</u>	<u>748.34</u>	<u>1,024.18</u>
Total cost of sales	<u>131,545.53</u>	<u>146,060.75</u>	<u>(14,515.22)</u>
Net income before debt service charges	16,492.86	9,501.78	6,991.08
Debt service:			
Bond interest	5,203.19	5,328.31	(125.12)
Bond principal	<u>3,850.00</u>	<u>3,850.00</u>	-
	<u>9,053.19</u>	<u>9,178.31</u>	<u>(125.12)</u>
Net income after debt service charges	\$ <u><u>7,439.67</u></u>	<u><u>323.47</u></u>	<u><u>7,116.20</u></u>

UNIVERSITY OF NEW MEXICO

Statement Of Educational And General Expenditures
Per Student Credit HourYear Ended June 30, 1957

	<u>Expenditures</u>	<u>Student Credit Hours</u>	<u>Cost Per Student Credit Hour</u>
Direct instructional:			
College of Arts and Sciences:			
Anthropology	\$ 46,262.04	3,437	13.46
Biology	77,866.42	6,299	12.36
Chemistry	65,126.42	6,683	9.75
Economics	24,573.75	3,023	8.13
English	145,401.28	14,891	9.76
Geography	5,620.72	625	8.99
Geology	54,181.21	4,508	12.02
Government and social sciences	36,744.78	4,071	9.03
History	53,837.32	6,347	8.48
Journalism	13,054.22	390	33.47
Mathematics and astronomy	90,877.05	13,272	6.85
Modern languages	96,432.49	7,111	13.56
Philosophy	17,383.04	2,037	8.53
Physics	53,625.94	3,119	17.19
Psychology	44,980.62	5,167	8.71
Sociology	23,572.66	1,517	15.54
Speech	33,551.90	2,067	16.23
	<u>883,091.86</u>	<u>84,564</u>	<u>10.44</u>
Administrative office	26,869.28	84,564	.32
School of Inter-American Affairs	10,323.14	84,564	.12
Total College of Arts and Sciences	<u>920,284.28</u>	<u>84,564</u>	<u>10.88</u>
College of Business Administration	<u>77,399.15</u>	<u>6,097</u>	<u>12.69</u>
College of Education:			
Art education	11,995.98	758	15.83
Elementary education	18,125.73	1,098	16.51
General education	-	1,778	-
Home economics	25,002.50	1,356	18.44
Music education	-	407	-
Physical education	87,629.09	3,455	25.36
School administration	23,285.43	571	40.78
Secondary education	35,969.05	2,744	13.11
	<u>202,007.78</u>	<u>12,167</u>	<u>16.60</u>
Administrative office	19,231.02	12,167	1.58
Guidance and counseling	6,642.93	12,167	.55
Placement Bureau	2,764.84	12,167	.23
Total College of Education	<u>230,646.57</u>	<u>12,167</u>	<u>18.96</u>

UNIVERSITY OF NEW MEXICO

Statement Of Educational And General Expenditures
Per Student Credit Hour, Continued

	<u>Expenditures</u>	<u>Student Credit Hours</u>	<u>Cost Per Student Credit Hour</u>
Direct instructional, continued:			
College of Engineering:			
Architectural	\$ 37,515.04	3,929	9.55
Chemical	21,036.86	767	27.43
Civil	43,959.25	2,830	15.53
Electrical	53,989.78	3,227	16.73
Mechanical	58,767.00	3,137	18.73
Engineering	-	105	-
	<u>215,267.93</u>	<u>13,995</u>	<u>15.38</u>
Administrative office	14,499.60	13,995	1.04
Total College of Engineering	<u>229,767.53</u>	<u>13,995</u>	<u>16.42</u>
College of Fine Arts:			
Art	73,476.11	2,959	24.83
Drama	28,828.08	735	39.22
Music	87,240.47	2,076	42.02
	<u>189,544.66</u>	<u>5,770</u>	<u>32.85</u>
Administrative office	11,686.81	5,770	2.03
Total College of Fine Arts	<u>201,231.47</u>	<u>5,770</u>	<u>34.88</u>
College of Law	62,356.71	2,137	29.18
College of Nursing	19,939.81	166	120.12
College of Pharmacy	45,008.28	1,088	41.37
Summer and Field Sessions	105,195.79	8,603	12.23
Air Reserve Officers Training Corps	7,534.59	930	8.10
Naval Reserve Officers Training Corps	4,364.07	897	4.87
Holloman Air Force Base Program	27,328.81	612	44.65
Los Alamos Program	54,686.85	1,483	36.88
Total direct instructional	<u>1,985,743.91</u>	<u>138,509</u>	<u>14.34</u>
Indirect instructional expenses:			
Student employment and participation	81,285.80	138,509	.58
Social security taxes, retirement and group insurance	104,120.49	138,509	.75
Academic vice-president	26,075.24	138,509	.19
General research	5,500.00	138,509	.04
Graduate school	19,222.15	138,509	.14
Total indirect instructional expenses	<u>236,203.68</u>	<u>138,509</u>	<u>1.70</u>
Total instructional expense	2,221,947.59	138,509	16.04
Extension Division	85,092.81	2,969	28.66
Total instructional and Extension Division	<u>2,307,040.40</u>	<u>141,478</u>	<u>16.31</u>

UNIVERSITY OF NEW MEXICO

Statement Of Educational And General Expenditures
Per Student Credit Hour, Continued

	<u>Expenditures</u>	<u>Student Credit Hours</u>	<u>Cost Per Student Credit Hour</u>
Other educational and general expenditures:			
General and administrative offices	\$ 262,571.46	141,478	1.85
General expense	244,631.13	141,478	1.73
Organized research	61,789.40	141,478	.43
Library	188,246.39	141,478	1.33
Operation and maintenance of physical plant	<u>559,615.00</u>	<u>141,478</u>	<u>3.96</u>
Total educational and general expenditures	<u>1,316,853.38</u>	<u>141,478</u>	<u>9.29</u>
Total educational and general	\$ <u>3,623,893.78</u>	<u>141,478</u>	<u>25.61</u>

UNIVERSITY OF NEW MEXICO

Current Fund

Comparative Statement Of Income And Expenditures

Ten Years Ended June 30, 1957

	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948
Income:										
Educational and general:										
Student fees	\$ 805,755	667,664	632,379	549,044	668,355	629,475	938,288	1,198,640	1,285,028	1,103,645
Land and Permanent Fund unrestricted	-	138,000	119,000	-	125,512	141,203	233,850	39,444	31,062	48,513
State appropriation	2,595,334	2,549,724	2,088,769	2,088,769	1,980,080	1,980,080	1,511,125	1,519,525	909,500	909,500
Sales and services and miscellaneous income	134,938	42,537	45,402	45,402	31,602	37,512	33,064	39,922	35,086	27,020
Organized activities related to instruction	<u>3,536,037</u>	<u>3,397,925</u>	<u>2,885,550</u>	<u>2,691,103</u>	<u>2,868,549</u>	<u>2,188,270</u>	<u>2,716,327</u>	<u>2,791,531</u>	<u>2,260,676</u>	<u>2,088,678</u>
Non-educational:	<u>194,782</u>	<u>191,454</u>	<u>188,959</u>	<u>187,463</u>	<u>201,670</u>	<u>184,369</u>	<u>187,821</u>	<u>156,183</u>	<u>158,784</u>	<u>123,494</u>
Land and Permanent Fund, pledged portion	193,500	51,770	51,160	51,373	53,085	53,370	63,548	58,987	49,123	40,733
Student fees, pledged	304,000	304,675	294,335	294,380	298,500	227,230	147,480	45,040	-	-
Western Regional appropriation	66,500	66,500	50,000	50,000	20,000	20,000	-	-	-	-
Scholarships	-	26,548	25,215	25,215	-	3,823	5,605	5,704	6,265	5,346
Rent, geology building	60,971	59,224	59,293	52,832	-	-	-	-	-	-
Auxiliary enterprises	<u>624,971</u>	<u>509,517</u>	<u>480,003</u>	<u>448,585</u>	<u>331,585</u>	<u>304,423</u>	<u>216,633</u>	<u>109,731</u>	<u>55,388</u>	<u>46,079</u>
Auxiliary enterprises	<u>1,174,958</u>	<u>1,024,380</u>	<u>1,072,102</u>	<u>1,094,802</u>	<u>1,057,643</u>	<u>1,601,656</u>	<u>935,036</u>	<u>809,128</u>	<u>895,660</u>	<u>784,649</u>
	<u>\$ 5,530,798</u>	<u>5,123,276</u>	<u>4,626,614</u>	<u>4,401,953</u>	<u>4,399,447</u>	<u>4,278,918</u>	<u>4,055,817</u>	<u>3,872,573</u>	<u>3,370,508</u>	<u>3,042,900</u>
Expenditures:										
Educational and general:										
Administrative and general	507,203	467,133	408,686	409,216	378,905	377,606	368,265	388,600	276,949	245,669
Instructional	2,221,948	2,041,194	1,707,716	1,657,686	1,599,197	1,652,784	1,557,540	1,638,483	1,380,421	1,223,462
Organized research	61,789	51,745	46,130	45,255	42,493	15,189	35,922	42,320	31,355	28,838
Extension Division	85,093	69,431	56,194	56,426	57,139	55,139	51,439	45,652	45,645	32,363
Library	188,246	171,452	152,563	149,901	140,208	144,320	138,406	146,154	116,847	107,167
Physical plant operation	559,615	539,656	420,037	401,366	414,051	446,831	327,027	472,814	295,766	241,230
Organized activities related to instruction	<u>3,623,894</u>	<u>3,340,611</u>	<u>2,801,326</u>	<u>2,719,850</u>	<u>2,631,993</u>	<u>2,691,869</u>	<u>2,478,599</u>	<u>2,734,023</u>	<u>2,146,983</u>	<u>1,878,729</u>
Non-educational:	<u>402,583</u>	<u>304,872</u>	<u>299,244</u>	<u>255,159</u>	<u>250,440</u>	<u>251,905</u>	<u>322,186</u>	<u>272,961</u>	<u>235,900</u>	<u>196,384</u>
Scholarships	16,056	49,109	106,629	79,606	50,029	37,889	39,521	30,471	32,032	7,086
Bond principal and interest	435,497	331,725	334,392	302,442	178,046	83,337	68,051	66,987	55,630	43,733
Western Regional program	66,500	64,350	43,500	49,966	20,000	22,000	-	-	-	-
Sinking Fund installments	20,000	20,000	-	-	161,400	213,305	53,000	50,000	-	-
Capital outlay	-	-	-	-	-	23,147	-	-	-	-
Auxiliary enterprises	<u>538,053</u>	<u>465,184</u>	<u>484,521</u>	<u>432,014</u>	<u>409,475</u>	<u>379,678</u>	<u>160,572</u>	<u>147,458</u>	<u>87,662</u>	<u>50,819</u>
Auxiliary enterprises	<u>1,020,986</u>	<u>914,392</u>	<u>984,176</u>	<u>984,176</u>	<u>1,057,080</u>	<u>947,486</u>	<u>969,448</u>	<u>776,256</u>	<u>862,212</u>	<u>791,129</u>
	<u>\$ 5,585,516</u>	<u>5,025,059</u>	<u>4,515,251</u>	<u>4,391,199</u>	<u>4,348,988</u>	<u>4,270,938</u>	<u>3,930,799</u>	<u>3,930,698</u>	<u>3,332,757</u>	<u>2,917,061</u>

UNIVERSITY OF NEW MEXICO

1948 General Building Bonds "System"

Statement Of Income

Year Ended June 30, 1957

	Total	Mesa Vista Dormitory			Printing Plant	Heating Plant	Library And Other Student Fees
		Rooms	Dining Hall	Snack Bar			
Income:							
Sales	\$ 599,927.47	-	238,243.27	18,927.40	148,038.39	194,718.41	-
Rents	115,652.36	115,652.36	-	-	-	-	-
Student fees	143,875.00	-	-	-	-	-	143,875.00
	<u>859,454.83</u>	<u>115,652.36</u>	<u>238,243.27</u>	<u>18,927.40</u>	<u>148,038.39</u>	<u>194,718.41</u>	<u>143,875.00</u>
Expenditures:							
Cost of sales	283,619.40	-	138,758.93	11,542.42	133,318.05	-	-
Wages	160,288.70	27,167.64	58,160.04	2,883.50	72,077.52	-	-
Operation and maintenance	230,669.43	42,138.57	5,652.97	314.10	11,861.75	170,702.04	-
Administrative expense	56,406.29	6,556.85	15,979.08	1,069.83	22,149.62	10,650.91	-
Printing plant overhead applied to job costs	(107,861.41)	-	-	-	(107,861.41)	-	-
	<u>623,122.41</u>	<u>75,863.06</u>	<u>218,551.02</u>	<u>15,809.85</u>	<u>131,545.53</u>	<u>181,352.95</u>	<u>-</u>
Net income before debt service charges	236,332.42	39,789.30	19,692.25	3,117.55	16,492.86	13,365.46	143,875.00
Debt service:							
Bond interest	74,331.25	28,245.87	19,326.13	-	5,203.19	10,034.72	11,521.34
Bond principal	55,000.00	20,900.00	14,300.00	-	3,850.00	7,425.00	8,525.00
	<u>129,331.25</u>	<u>49,145.87</u>	<u>33,626.13</u>	<u>-</u>	<u>9,053.19</u>	<u>17,459.72</u>	<u>20,046.34</u>
Net income (loss) after debt service charges	\$ <u>107,001.17</u>	<u>(9,356.57)</u>	<u>(13,933.88)</u>	<u>3,117.55</u>	<u>7,439.67</u>	<u>(4,094.26)</u>	<u>123,828.66</u>

UNIVERSITY OF NEW MEXICO

1955 General Building Bonds "System"

Statement Of Income

Year Ended June 30, 1957

	<u>Total</u>	<u>Hokona Dormitory Rooms</u>	<u>Dining Hall</u>
Income:			
Sales	\$ 162,072.04		162,072.04
Rents	89,087.55	89,087.55	
	<u>251,159.59</u>	<u>89,087.55</u>	<u>162,072.04</u>
Expenditures:			
Cost of sales	76,882.34		76,882.34
Wages	74,242.38	23,518.55	50,723.83
Operation and maintenance	67,206.85	62,464.75	4,742.10
Administrative expense	16,368.26	4,929.53	11,438.73
	<u>234,699.83</u>	<u>90,912.83</u>	<u>143,787.00</u>
Net income (loss) before debt service charges	16,459.76	(1,825.28.)	18,285.04
Bond interest	<u>15,201.25</u>	<u>9,120.75</u>	<u>6,080.50</u>
Net income (loss) after debt service charges	\$ <u>1,258.51</u>	(10,946.03)	<u>12,204.54</u>

Note:

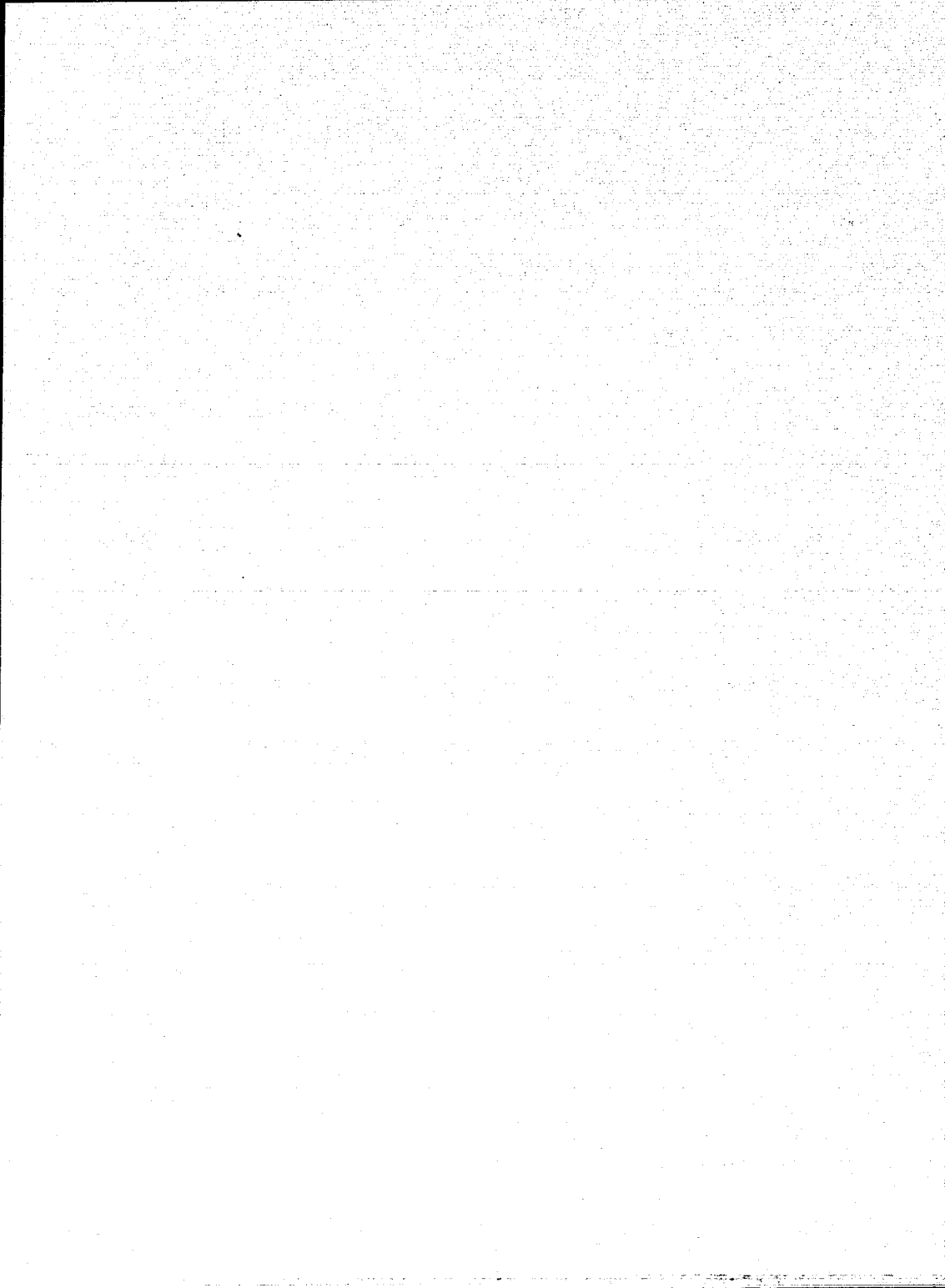
Interest on bonds to December 1, 1956, amounting to \$15,251.25, was capitalized as interest during construction and is, therefore, not shown above. Bond principal of \$5,000.00 due December 1, 1956 was paid out of bond proceeds.

UNIVERSITY OF NEW MEXICO
"Educational Operating Dollar"

	1956-57	1955-56
SOURCES:		
Student Fees -----	\$.22	\$.19
State Appropriations -----	.70	.71
Land and Permanent Fund -----	—	.04
Organized Activities -----	.05	.05
Sales, Services, and Miscellaneous -----	.03	.01
	<u>\$1.00</u>	<u>\$1.00</u>
DISPOSITION:		
Administration and General -----	\$.13	\$.13
Instruction -----	.55	.56
Organized Research -----	.01	.01
Extension -----	.02	.02
Library -----	.05	.05
Organized Activities Related to Instruction -----	.10	.08
Plant Operation and Maintenance -----	.14	.15
	<u>\$1.00</u>	<u>\$1.00</u>

**EDUCATIONAL AND GENERAL EXPENDITURES
PER STUDENT CREDIT HOUR**

	Cost Per Student Credit Hour Year Ended June 30.	
	1957	1956
College of Arts and Sciences -----	\$ 10.88	\$11.40
College of Business Administration -----	12.69	11.67
College of Education -----	18.96	18.73
College of Engineering -----	16.42	17.81
College of Fine Arts -----	34.88	29.85
College of Law -----	29.18	33.05
College of Nursing -----	120.12	322.38
College of Pharmacy -----	41.37	41.14
Summer and field sessions -----	12.23	10.89
Air Reserve Officers Training Corps -----	8.10	6.30
Naval Reserve Officers Training Corps -----	4.87	4.89
Holloman Air Force Base program -----	44.65	30.67
Los Alamos program -----	36.88	23.78
Total direct instructional expenses -----	14.34	14.22
Indirect instructional expenses -----	1.70	2.21
Extension Division -----	28.66	46.04
Total instructional and Extension Division -----	16.31	16.79
Other educational and general expenditures -----	9.29	9.78
	<u>\$ 25.61</u>	<u>\$26.57</u>



THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

THE REPORT OF THE DEPARTMENT OF HOUSING
MESA VISTA DORMITORY, U.N.M. APARTMENTS, VARSITY VILLAGE
AND DORM "D" AREA

July 1 - 1956 to June 30 - 1957

ROSCOE E. STORMENT - DIRECTOR

Mesa Vista (Mens) Dormitory opened the first semester of 1956 with a total occupancy of 559 students. Of this number 471 were placed in double rooms, four man rooms, and singles converted to doubles. Probably 10 were housed temporarily in room 70, a large dormitory room used for overnight guests. The Dorm D area consisting of buildings T 23, T 24, T 22 and T 13 accommodated 88 men. These were mostly seniors, graduates, and older freshmen that desired single rooms. There were 295 freshmen in the dormitory at the beginning of semester I, 1956; second semester occupancy was 445 students. Sixty six of these were housed in the Dorm D area. Summer session occupancy totaled 120 students. Forty of the above number were occupants staying in the dormitory, employed by Sandia Base Corporation for the summer months.

Conventions housed during the summer in Mesa Vista Dormitory were the Science Administration Workshop, New Mexico Classroom Teachers Association, Golf Tournament Contestants, 36 Rainbow Girls and their sponsors. Also, the High School Music Clinic, Coaches Convention, and North-South Football and Basketball Players. We had the pleasure of housing a group of Hungarian

THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

Report of the Dept. of Housing - 2 -

students February 19, until they were placed in homes here in the city. The glee club from the University of Michigan, sponsored by the Junior Chamber of Commerce, were guests the night of April 12, 1957. Tentative plans are being made to house the Shriners Convention August 28, 29, 30, 31, 1957; the Boy Scout Conference and the National High School Rodeo Association.

The major improvement of plastering both walls of the rooms in Mesa Vista is being continued. This has been quite satisfactorily received by the tenants--as no complaints were received as to transmission of noise between rooms during the past year. Also, it is being planned to tile all of the restrooms and showers in ceramic tile. The third floor rooms will be completely plastered and painted by July 15th. There will be a few remaining walls to be plastered on the first and second floors.

Mrs. Margaret Clifford served as house mother the past year. Counselors for the academic year were Charles Voll, Tom Towers, Philip Manly. Donald H. McClung was appointed to fill the vacancy left by Richard H. Mesker upon his graduation. Ellen Herrick served during the past year as secretary to Roccoe E. Stormont the Director of Housing for men students, and married students.

The University of New Mexico Apartments, located at 1920 Lomas Boulevard N. E., consists of 20 one bedroom furnished apartments. There was 100%

THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE

Report of the Dept. of Housing - 3 -

occupancy of these apartments during the fiscal year. Tenants were equally divided with the faculty, administrative personnel, and married students attending the University of New Mexico.

Varsity Village, located at 1003 to 1119 Stanford Drive N. E., barracks type buildings one half mile from the campus, has a total of 39 apartments. Twenty five are one bedroom units, and fourteen are two bedroom units. They are reserved principally for married veteran students with children.

During the period from September 1st to June 15th there was 100% occupancy. The summer session period, 90% occupancy. There was a waiting list of forty to fifty married students at the beginning of the first semester 1956. Several more letters were received requesting information about University housing for married students.

THE REPORT OF HOKONA HALL
July 1, 1956 - June 30, 1957

Lena C. Clauve, Dean of Women
Mary Failing, Director

Hokona Hall, the new residence for women students opened in 1956. Housing and food service is available to 618 students and staff. It is the first time that women students have had this combination of services available in one building on this campus. Every effort has been made to give our students an attractive, comfortable and desirable residence. New furnishings have been carefully selected. A new counseling program for the residents and a new plan of administration were inaugurated with the opening of the building. The staff consisted of a Director, four Graduate Counselors, an Executive Housekeeper, maids, two full time switchboard operators, and several undergraduate students working on a part time basis in the offices. One graduate counselor left school in December due to family difficulties. In the spring semester it was necessary to employ a full time clerk-receptionist during the afternoon and evening hours. At the same time six undergraduates were added to the staff to assist the counselors in the supervision of Hokona Hall.

In September, 1956 we housed 350 women students. This was an increase over the past year. There were approximately 200 freshmen and the others included the upper three classes and some graduate women.

We have also housed a large number of people attending conferences on the campus, work shops and such groups as New Mexico Education Association members, Girls State, Boy Scout Executives, Shriners, High School Music Clinic, Future Nurses group, and many high school groups.

A student government program was established during the year and has functioned most effectively.

The graduate counseling program has been successful although the residence was understaffed. These young women and their director have carried an unusually heavy program of counseling, supervision and organization work most admirably.

We have many indications that interest in our new residence is increasing as anticipated and that our counseling program is attracting interest of graduate students from various parts of the country.

THE UNIVERSITY OF NEW MEXICO

DATE: October 25, 1957

TO: Mr. John Perovich

FROM: M. F. Fifield

SUBJECT: Report of Physical Plant Department
July 1, 1956 - June 30, 1957

Significant Work Completed During Period

1. Convert Bandelier Hall from a Dormitory to a Faculty Office Building.
2. Convert North Hall from a Dormitory to a Faculty office Building.
3. Convert Marron Hall from a Dormitory to a Faculty office Building.
4. Raze old Inter American Affairs building and level site.
5. Finished new baseball field at Girard and moved 55 of 72 Juniper trees and planted around Field (17 trees yet to be moved from new SUB site on Cornell).
6. Installation of exhaust ventilation system at Mitchell Hall.
7. Remodel Library Booklift.
8. Remodel of Degan Property at Taos.
9. Installation of 6 ft. wide sidewalk on the South side of Ash between Cornell and Yale.
10. Miscellaneous work to Water System:
 - A. Completely clean and overhaul Well #1.
 - B. Exchange #2 and #3 Well pumps in order to match pump and well producing capacities (300 gal per minute increase).
11. Install 1.7 acres of sprinkler system and Buffalo Grass on North side of Hokona.
12. Rearrange machinery in Mill at Physical Plant Warehouse.

Significant Work Commenced during Period

1. Razed top floor of Old Center Hokona. After removing ground floor, the site will be cleared for a Parking Lot. Also, significant work will be required to buttress and plaster exposed portion of North Hall.
2. Conversion of Women's Dining Hall to a Modern Language Building.
3. Conversion of Theta House to a Speech and TV Building.
4. Installation of 2000 sq. ft. balcony in M. E. Building (old boiler plant).

Significant Work Pending in Near Future (Not necessarily in order of Priority)

1. Clear Chapel site due North of Stadium:
 - A. Move 13 ton adobe ticket booth and set up at North gate to Zimmerman Field.
 - B. Erect new University Flagpole at North end and on center line of football field.
2. Install sprinkler systems and Buffalo Grass at following buildings:
 - A. Hokona Patios
 - B. Law Building
 - C. Biology Building
 - D. Chemistry Building
3. Install new sprinkler system on a portion of area between old fairways East of Johnson Gym, rearrange present sprinkler system and provide at least two properly oriented practice fields in accordance with the Master plan.
4. Pour several hundred moveable concrete bumper rails in 8 ft. long units for New Parking area around Johnson Gym and to replace telephone poles on old lots throughout campus.

Mr. John Perovich
 Report of Physical Plant, 7/1/56 - 6/30/57
 October 25, 1957

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5. Rodey Hall work
 - A. Install new stage.
 - B. Replace canvas wall surfaces adjacent to stage with plywood.
6. Carlisle Gym work
 - A. New Roof
 - B. New Floor in Main Gym
 - C. Miscellaneous remodeling
 - D. Completely repaint interior.
7. Physical Plant Shops
 Move Paint Shop and set up in present block storage shed at NW corner of Warehouse. This will provide more adequate shop space for Electrical, Refrigeration and Plumbing Shops.
8. Library Work
 - A. Relight SE and SW Reading Rooms
 - B. Relight tables
 - C. Install Air Tube Book delivery system.
9. Remove defunct balcony at East portal Hodgin and install new two-story roof.
10. Install new floors in B-1 and B-2.
 Remodel B-1.

Retirements:

NAME	POSITION	DATE EMPLOYED	DATE RETIRED	TYPE RETIREMENT
Eyman, Austin	Heating Plant Foreman	9/3/1937	4/1/57	Full 20 yr. Retirement
Hart, John	Grounds Foreman	7/23/45	6/1/57	Disability
Lehaney, James	Plumbing Foreman	4/7/47	4/7/57	Disability
Montoya, Felipe	Custodian	4/27/46	8/1/56	Disability
Morris, Fenton	Custodian	6/20/47	6/30/57	Disability
Morris, John	Custodian Asst. Foreman	5/5/49*	12/8/56	Disability
Triviz, Alejandro	Plumber	2/9/49	8/3/56	Soc. Security
Williams, W. C.	Custodian	10/1/51	8/1/56	Soc. Security

* Plus previous employment.

Important Assignments:

NAME	NEW POSITION	OLD POSITION	EFFECTIVE DATE
Adler, Hyman	Foreman, Heating Plt.	Asst. Foreman Heating Plant	4/1/57
Begy, Everett G.	Sargeant Police	Patrolman	9/16/56
Retzlaff, Charles	Foreman, Plumbing	Asst. Foreman Plumbing	4/1/57
Sheridan, Paul	Foreman, Grounds	Asst. Foreman Grounds	7/1/57
Urbanoski, Hughie	Asst. Foreman Custodians	Custodian	7/1/57

Mr. John Perovich
 Report of Physical Plant, 7/1/56 - 6/30/57
 October 25, 1957

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NATIONAL MEETING - Association of Physical Plant Administrators:

Plans for this meeting which will take place during the week of April 26, 1958 through May 1, 1958 are progressing very nicely. The following Program Committee was appointed in January '57:

H. L. Dotson, Vice President, Colorado State University
 R. F. Gingrich, Director Physical Plant, Kansas State College
 R. C. Hill, Assistant Chief, Dept. of Engineering, Los Alamos Scientific Lab., University of California
 W. P. Wetzel, Director of Physical Plant, Temple University and President of the NAPPA.

The writer was named Chairman of this committee.

A display was taken back to the Annual Meeting at Temple in May '57 which encouraged delegates to attend the '58 meeting in Albuquerque. This display (automatic slide projection, larger pictures of campus and of Albuquerque and environs, and Indian jewelry display) was well received and apparently has insured the additional interest needed to get the eastern representatives to attend the meeting.

It is anticipated the formal program will be set and published the first week of February. *Credit Union* At this time an envelope containing the Program, the President's report, and the latest University picture brochure will be sent to each delegate along with data on Hotel and Motel accommodations.

Professional Activities

Marian A. Pierce was a Director in the *CREDIT UNION* Coronado for six months and the Treasurer for four months.

The following Physical Plant personnel took a second semester course in Refrigeration and Air Conditioning under Prof. A. D. Ford: Mr. J. A. Jacobson, Mr. H. S. Adler and Mr. Sam Austin. Mr. Jacobson was for credit, Messrs. Adler and Austin non credit.

The following Physical Plant personnel took a second semester non-credit course in Elementary Electricity from Prof. E. A. Brown, Nick J. Sciumbato and W. P. Schuldt.

The writer held the following assignments through the year:

1. Director, Albuquerque Chapter, New Mexico Society of Professional Engineers - until January '57.
2. Named Vice President, National Association of Physical Plant Administrators of Universities and Colleges - May 13, 1957.
3. Director, Naval Reserve Officers' School 8-6, Albuquerque.
4. Gave presentation at National Naval Reserve Officers' School Seminar, Georgia Institute of Technology, Atlanta, Ga. on July 10, 1956. Subject: "Recruitment and Publicity".
5. Attended course in Guided Missile Indoctrination, U S Naval Guided Missile School, Pomona, California - June 16 - 30, 1957.

Meetings Attended - Institutions Visited

The following Physical Plant personnel attended the Superintendent-Foreman

Mr. John Perovich
 Report of Physical Plant, 7/1/56 - 6/30/57
 October 25, 1957

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COLLEGE OF

Conference at N. M. Agriculture and M. A. on December 7 and 8, 1956:
 John A. Jacobson, Adrian Robbins, Charles E. Retzlaff and Hughie Urbanoski.
 At this meeting Mr. Jacobson gave a talk and presentation on Johnson Gymnasium. During the trip this group also visited Texas Western and N. M. Institute of Mining and Technology.

Mr. Paul A. Sheridan attended the New Mexico Turfgrass Conference at N. M. A. & M. on October 4 and 5, 1956.

University Police

Along with the many routine duties and assignments the University Police regularly perform, it should be particularly noted the following arrests, accidents, etc. were handled:

Accidents	30	Grand Larceny	11
Assault	2	Larceny	9
Disorderly Conduct	19	Property Damage	1
Drunken Driving	3	Prowling	11
Drunkenness	12	Reckless	5
Forgery	2	Vagrancy	4

Miscellaneous Problems

1. One of the most urgent Physical Plant problems involves the acquisition of additional landspace due west of the Warehouse Building.

The space presently available for material storage and to efficiently develop the Physical Plant operational area adjacent to the warehouse is already inadequate. When the new diversion channel as proposed by the Corps of Engineers is built, this space will be still further reduced in a most serious way.

We strongly urge the overtures to acquire the property that is needed (approximately 5 acres) be pressed with all possible dispatch lest the present opportunity to acquire the necessary space by direct purchase or lease be forever lost.

2. The subject of providing additional water wells and reservoir capacity will be made the subject of a separate report in the near future.

Yours very truly,


 M. F. FIELD

MFF/eb

CC:
 President Tom L. Popejoy
 Vice President E. F. Castetter
 Mr. John Durrie
 Mr. J. A. Jacobson

REPORT OF THE MESA VISTA DINING HALL

JULY 1, 1956 -- JUNE 30, 1957

H. E. SYMONDS, DIRECTOR

1. Financial -- Income increased \$43,000.00 from the 1955-56 school year. This was due to the added volume in the contract feeding operation. Approximately 575 dormitory residents ate at the dining hall the first semester and 475 the second semester. This was an increase of 9% from the previous year. With income up, expenses showed a proportionate decrease. This enabled us to show an approximate 14% operating profit. (Note - this was not net after bond principle and interest.)
2. Employees -- As in the past, 25 full time people were employed plus thirty students in part time work. Food service people worked a 48 hour week, and were entitled to the benefits available to University employees. All full time people were given salary increases this past year.
3. Absenteeism -- The missed meal factor in the contract feeding operation figures as follows: breakfast 30%; lunch 6%; dinner 10%. Absenteeism varies according to the number of meal tickets at any given time.
4. New equipment -- During the year a modern conveyor peg type S/S dishmachine and an electric dough rolling machine were purchased.
5. Food cost control -- Some progress has been made in setting up daily cost controls. The following year should see this undertaking completed.

Food cost for the year figured about 45% of gross income. This was mainly possible through added volume and absenteeism.

6. Job analysis -- Employee job analysis were completed. This will be followed by job ratings and wage scales for all dining hall workers.

7. Interesting side lights: -- During two semesters of regular school, the dining hall served 364,000 meals. The students consumed 120,000 pounds of potatoes, 84,000 pounds of meat, 75,000 orders of ice cream, 9,600 loaves of bread, 216,000 dinner rolls, and 384,000 glasses of milk.

The Report of Hokona Dining Hall

July 1, 1956 - June 30, 1957

Doris M. Barker, Director

The opening of Hokona Dining Hall in September 1956, was an event we had long anticipated. The enjoyment we have had in working in our beautiful surroundings and the pleasure of showing our Cafeteria counters, Dining rooms and kitchen have more than fulfilled our expectations. It is true that minor "bugs" (which at the time appeared to be of major proportion) had to be eliminated. It is probable that more adjustments will have to be made in the future to insure a more efficient operation.

At our official open-house in November, approximately one thousand guests were shown through the kitchen with the kitchen staff acting as hosts. Our main attraction proved to be our dishwashing machine which was in operation the entire afternoon. Our high light of the day, however, was the spontaneous applause from the students in the Dining Hall when the folding doors were opened showing the entire expanse of the Dining Hall.

During the year we have served numerous luncheons and banquets. Perhaps our most satisfactory feat was the luncheon for two hundred fifty guests for College personnel associated with the Foreign Student program, served simultaneously with our regular lunch service for our students.

Mary Ann Domenici joined the staff as assistant in August of 1956. She had previously work three years as Assistant Dietitian at St. Vincent Hospital in Santa Fe, New Mexico. We are fortunate in having her return this fall.

The report of the University Golf Course.
July 1, 1956 - June 30, 1957.
Charles S. Lanier, Manager.

1. Golf was played on the University Golf Course every day during the last fiscal year. The last non-playing day was February 8, 1956.

Number of rounds played as follows:

South Six Course	26,847
North Eighteen Course	47,692
	<hr/>
	74,539

2. There were 17 hole-in-ones made during the year.
3. The Second Annual William H. Tucker College Invitational Golf Tournament was held October 10-13, 1956. Men and women golfers from twelve participated.
4. Other golfing facilities used extensively during the year included the 9 hole day and night Pitch and Putt Course and the night Driving Range.

The Report of the University Printing Plant
July 1, 1956 - June 30, 1957
Shepard A. Raymond Director

The plant is running well. Our profit for the year was \$7439.67. This was due to a sudden influx of business from the Press and off campus customers during the past few months. This bears out my contention expressed during the last three years; that we could, with our set-up, handle \$75,000. more production at very little more cost. Our prices can be reduced if this additional production continues. I hesitate to reduce prices at this writing because I should like to wait to see if the additional production continues and I should like to see the effect of a labor cost increase due to go into effect October 1. This will be in accordance with our last executed labor contract. The increased labor cost will amount to .032%. One might off-set the other.

We are sadly in need of a new linotype to replace our oldest machine, 40 years old. This old machine is costing us approximately \$2500. a year for repairs and lost production. We will need a new cutter to replace our present cutter which is in a very bad way and could collapse any minute. If it does, the operations at the plant will come to a standstill. The problem of a new linotype and cutter have been reported to the President in my communications of May 2, May 7 and June 10, 1957. The prices of machinery will increase and the longer we wait, the higher the cost will be.

I wish we could work out a system of reserve where we could pour profit from year to year if and when we make it. Then from that reserve draw to cover a year of loss if it occurs. We could then drop our prices when ahead in profit without fear of taking a

The Report of the University Printing Plant

plunge into the red, should production fall off. As it is now, when we take a plunge into the red, that is it. We have no reserve to pull on and it is too late in that single year to increase prices to cover that loss.

Shepard A. Raymond