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# Annual Report of the University, 1958-1959

University of New Mexico

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UNIVERSITY OF NEW MEXICO

ANNUAL REPORT  
OF THE  
UNIVERSITY

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July 1, 1958 - June 30, 1959

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# THE REPORT OF THE PRESIDENT 1958-1959



THE UNIVERSITY OF NEW MEXICO  
**BULLETIN**



# THE REPORT OF THE PRESIDENT

*To the Governor of New Mexico*



July 1, 1958 — June 30, 1959

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# *The Report of the President*

TO THE GOVERNOR OF NEW MEXICO:

**A**S 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, 1958-59. Although basically this report covers the period from July 1, 1958, to June 30, 1959, it also includes a number of significant developments of the last few months—current enrollment statistics, interesting new programs, and other events of importance—in order that it may present a more complete and timely picture of the University's activities.

During a year of continued self-examination, of heightened efforts to secure equitable salaries for our faculty, and of grave concern for the problems caused by a rapidly expanding student population, it is a pleasure to report progress in a number of areas.

It is especially gratifying to note the genuine interest shown by you and by the members and committees of the 24th Legislature, with a greater awareness of the critical needs of higher education than has been evidenced for many years. The \$800,000 increase in the University's 1959 appropriation was far less than was requested, but there was no question but that the increase represented the maximum that was possible under existing circumstances. State officials, as well as legislative leaders, gave the universities and colleges the highest level of cooperation.

The State Board of Educational Finance, now in its ninth year of operation, has done effective work in improving the reporting procedures of the various institutions of higher learning. It has also promoted harmony among them and was primarily responsible for the cooperative and united effort which these institutions were able to make in presenting their case to the 1959 Legislature.

Also of great potential significance was the approval by the Legislature of a bond issue of approximately \$8,000,000 to be presented to the voters of the state in the fall of 1960. The funds would be used by New Mexico's higher institutions for the construction of new buildings and the general upgrading of their physical plants. Authorization of this bond issue is desperately needed.

The year has also been one of improvement in academic standards through the institution of procedures for more selective admissions. For some years we have insisted on a "C" average for those entering the University from other states. During the past year a policy of "negative counseling" was adopted with reference to the graduates of New Mexico high schools: on the basis of statistics showing that very few freshmen with sub-standard high school records survive the first year, all applicants with an average grade of less than "C" were strongly urged not to enroll.

Despite higher enrollments, numerical growth of the faculty has been held to the barest minimum in order that all available funds might go toward salary increases for existing staff. Such additions as have been made, however, are outstanding and will add strength to an already distinguished faculty.

The University's educational and research programs have progressed satisfactorily, and several new developments will be described in the pages which follow. The year also saw completion of two major additions to the physical plant--Coronado Hall, a dormitory for 435 men, and the long-anticipated New Mexico Union.

Self-analysis and self-study have played a prominent part in the University's thinking during the past few years. Full-scale analyses conducted, at our request, along the lines of regular North Central Association accrediting surveys were made by Dr. M. G. Neale and Dr. John H. Nelson in 1952 and 1958, respectively, and have already been fully described in these reports.

During the past year, however, a review team appointed by the Association made the first official survey of the University since its accreditation by that group in 1921. The visit had no implications concerning our accredited status, but rather was part of a plan for systematically reviewing all the four hundred member colleges and universities within a period of the next eight to ten years. The summary of the review team's brief but comprehensive report is quoted as follows:

The Committee, in summary, feels that the strength of the University of New Mexico lies in (1) its cooperative approach to administration with a resulting high level of morale, (2) its emphasis on selection and retention of a strong faculty, (3) its continuing and regular interest and real concern in institutional evaluation, and (4) its thoughtful planning for expansion in personnel, plant, and curriculum in order to meet the growing needs of the state . . . the responsible officials of the University are apparently making every effort to provide

a university of top quality for the citizens of New Mexico—at the undergraduate, graduate, and professional levels.

The three surveys just mentioned, all of them conducted by persons experienced in educational analysis, have perhaps given us reason to view the past and present with some measure of gratification. Growth and progress are a continuing process, however, and the Regents, Faculty, and Administration are now deliberating a series of projects which will affect our future course in many important areas.

### *Plans for the Future*

The certainty of major increases in enrollment in the immediate future is leading us steadily toward a policy of selective admissions. It is readily apparent that the demand for higher education is fast outstripping the country's educational resources, and it seems equally clear that these resources must be made available to those students who will best be able to profit by them. We have no illusions that size alone can justify our existence as a state university; such justification can come only on the basis of an educational program of the highest quality. Our development in recent years has been predicated on these terms, and in the years ahead it will be increasingly so.

Long-range campus planning at the University first received attention some five years ago with the preparation of a master plan which suggested certain basic areas for future construction and called for a re-routing of campus streets to discourage through-traffic. While this was an ingenious and well-conceived plan, which incorporated earlier thinking on the subject and provided a general objective for future development, it was nevertheless tentative in its details.

Last year, accordingly, the Regents authorized the employment of the architectural firm of John Carl Warnecke and Associates, specialists in campus planning and development. A later section in this report describes certain preliminary findings and recommendations of the firm, but suffice it here to indicate that the detailed plans which will be forthcoming soon will involve a cooperative effort by academic deans and other administrative officers as well as several faculty committees.

Of immediate importance in the physical development of the campus was a trade of land during the past year with the Albuquerque public schools. On an acre-for-acre basis, the University received for 40 acres

of land in the Northeast Heights a similar acreage southeast of Roosevelt Park, only 15-20 minutes' walking distance from the center of the campus. A trade for 36 acres of adjacent land is imminent, and negotiations for an additional 53-acre plot are under way. Acquisition of this land, to be known as the South Campus, and the sale of University-owned land in the Northeast quarter of the city will make possible the early construction of a 30,000-seat stadium and 100 apartments for married students. The present stadium is almost precisely in the geographical center of the main campus, a site which will soon be urgently needed for instructional buildings.

Other structures planned for the near future include a Fine Arts Center, a Memorial Chapel, a College of Education building, a major addition to the Library, and improved quarters for the Department of Anthropology, including a new museum. Convinced of the ultimate economy involved, both in efficient space utilization and in construction costs, the University will call on expert consultants in their several fields for help in planning all major construction projects.

Exploratory planning concerning the possibility of a two-year basic science school which could eventually become a full-fledged four-year program of medical education received considerable attention during the year. Studies by the Western Interstate Commission for Higher Education point up the fact that New Mexico, which has no medical school, has the lowest physician-to-population ratio in the west—78 doctors for every 100,000 of population—a ratio which is declining steadily in the face of a population growth well above the national average. During the year the University engaged as a consultant Dr. William R. Willard, dean of the College of Medicine at the University of Kentucky, and his detailed report is now being studied carefully. We are also anticipating in the near future a visit from a liaison committee sponsored by the American Medical Association Council on Medical Education and Hospitals and the Executive Council of the Association of American Medical Colleges. The purpose of this visit will be to determine the feasibility of establishing a medical school in the state. A state Legislative Committee Concerning the Necessity of a Medical School has also been organized.

The last several reports of the President have discussed the possibility of instituting an annual giving program among alumni of the University as a means of supplementing state appropriations. Last year the

whole area of alumni organization and fund-raising through gifts was the subject of a searching analysis by an expert in the field, John B. Fullen, Executive Director of the Ohio State University Development Fund.

Two regional organizations of potential significance in the promotion of scientific research in the Rocky Mountain area were established during the academic year: the Rocky Mountain Science Council and, upon its recommendation, the Associated Rocky Mountain Universities, Inc. (ARMU). The latter organization, a cooperative group including as members most of the public and private institutions in the eight mountain states offering advanced degrees in science, will work toward the development of scientific projects and installations which will benefit the region as a whole.

At the state level, the first New Mexico Conference on Higher Education had important implications for the future of the seven state-supported institutions of higher learning. Attended by the Governor, other state officials, and key state legislators, by the members and staff of the State Board of Educational Finance, by the presidents, regents, and other top officers of the various institutions, and by others sharing a vital interest in higher education, the Conference focused attention upon a number of serious problems facing the state's public institutions. Continually recurring themes were a deep concern for adequate financing and the recognition that quality education must somehow be achieved in the face of greatly increasing enrollments.

### *The Undergraduate Program*

No attempt is made in this section to report the activities of the more than forty academic units concerned with undergraduate instruction. Several items of general interest in each of the major divisions are mentioned, however, as an indication of an educational program alert to the opportunities of ever-increasing service to the state.

*The University College.* It would be premature to attempt an accurate evaluation of the University College until a complete student cycle, from admission to graduation, has been completed. After two years of operation, however, it is apparent that the College is providing the degree-granting colleges with a considerably more select group of students than was possible before the institution of a common freshman year for

all students. Most students entering the various colleges have satisfactorily proved both their ability and their interest, and it would seem reasonable to expect a more effective upperclass program as a result of this screening process.

The problem of attrition, however, is still a major one, not only in the University College, where it might be expected, but also, though to a much lesser extent, in the degree colleges. The University's new policy of strongly discouraging the admission of students with less than a "C" average in high school will doubtless have a salutary effect upon the situation for first-year students. Furthermore, a new requirement that all students in the upper 50 percentiles not earning a "C" average at the end of the first eight weeks must meet with special advisers to determine the cause for their failures should decrease the attrition of the more capable students. Later attrition, however, is often found to be due to a serious deficiency in basic study skills, and various plans for improving these skills are now being explored. It is now mandatory that a student, to be admitted to a degree-granting college, must either make a satisfactory score on the English Proficiency Examination or make a grade of "C" or better in a remedial English course to be offered on a non-credit basis by the Department of English.

*The College of Arts and Sciences.* Studies made by the University College after its first two years of operation indicate that 40% of those transferring to degree-granting colleges have elected the College of Arts and Sciences. However, the College faculty carries some 65% of the University teaching load in terms of student credit hours, the difference being the number of service courses offered for the various professional colleges.

In a major curricular change, the addition of a concentration in Western European Studies to the previous program in Latin-American Studies created a new Division of Foreign Studies which superseded the former School of Inter-American Affairs. The new division now offers the degree of Bachelor of Arts, with a major in either of the two fields.

Staff appointments during the past year have permitted significant expansion in the curricula of three departments: Anthropology has made important additions to its Latin-American and European offerings; Geography has added a specialist in Western Europe and Eastern Asia; and History has instituted courses in Russia and the Far East.



After two years of study, the College, and in turn the general faculty, approved a change in graduation requirements which will increase the breadth of a student's education in the College of Arts and Sciences. The new requirements, which raise from 41 to 53 the number of hours a student must devote to general education courses, considerably improve our relative position in this regard in comparison with other universities in the country.

Experimentation with an honors program for gifted students was continued by the College. The program, which completed its second year, has from the beginning enjoyed enthusiastic support and appears to be well established.

Another experiment, in which the colleges of Business Administration and Fine Arts have also participated, has been the teaching of selected courses by television. This experimental three-year program, financed largely by the Fund for the Advancement of Education, has been handicapped from the start by technical problems which have made a fair appraisal extremely difficult. Recently, however, there has been marked improvement, technically, and it is hoped that the Extension Committee, which has been asked to review the situation carefully, will soon be able to make a realistic assessment concerning the future of University-sponsored television instruction.

*The College of Business Administration.* At the end of the academic year, Dr. Vernon G. Sorrell retired from the deanship of the College of Business Administration at his own request to devote his time to teaching and research. Dr. Sorrell had served as dean since the inception of the College in 1947 and for seventeen years before that as head of the Department of Economics and Business Administration. During the years of his deanship, 930 graduates—18 of them with masters' degrees—have left the College as broadly educated specialists in accounting, finance, general business, industrial administration, marketing, and secretarial-office training. The University is grateful for Dr. Sorrell's many years of devoted leadership. Selected as his successor was Professor William J. Parish, a specialist in the field of economic history and a valued member of the faculty since 1943.

The objective toward which the College will strive increasingly is the maintenance of close relations with the business leadership of the state through the individual efforts of its faculty and by means of planned programs. In so doing, its intentions are to keep the community

informed of the policies and programs of the College, to keep the College faculty informed of current economic developments, and to focus attention of business leaders on the economic research and management consultation resources of the College and its Bureau of Business Research.

*The College of Education.* No major curricular changes at the undergraduate level occurred in the College of Education during the year, although a new concentration was approved for 1959-60 which will prepare students for positions as recreation leaders in community and industrial programs. Among a number of important service programs operated by the departments of the College, several new ones should be mentioned: a clinical training program in corrective therapy, in co-operation with the Veterans Administration Hospital; a series of seminars on the improvement of school business practices, under the joint sponsorship of the New Mexico School Boards Association; and the establishment, under University guidance, of the New Mexico Cooperative Research and Study Council, with sixteen of our state school systems as members.

Detailed planning for a new building to replace 70-year-old Hodgkin Hall received the serious attention of all departments of the College during the year. It is hoped that the University's share of the state bond issue, which voters will consider in November, will provide the financing for this much-needed addition.

*The College of Engineering.* During the year, a reorganization of the Engineering Experiment Station placed all of its projects under the direct responsibility of the departmental chairmen involved, with an all-College committee recommended to determine policy and operating procedures. At the end of the year, the departments had a total of sixteen active research projects—eleven in electrical, three in mechanical, and one each in civil and chemical engineering.

There were no major changes in the undergraduate curriculum, although the Engineering Graphics courses and faculty were transferred from the Department of Architectural Engineering, now discontinued, to the Department of Civil Engineering. The first three Bachelors of Architecture were graduated in June from the new five-year program, which is jointly administered by the colleges of Engineering and Fine Arts.

*The College of Fine Arts.* Intercollege cooperation accounted for the two major curricular changes in the College of Fine Arts: a Drama minor in the English Department and a Television-Radio concentration in either Speech or Dramatic Art which utilizes the facilities, staff, and courses of both departments. A continuing effort by the College to serve the University on a broader basis has been rewarded by a noticeably greater enrollment of students from other colleges in the departments of Art, Dramatic Art, and Music.

Preliminary plans were approved by the Regents for the first phase of the new Fine Arts Center, including art galleries, a theatre-type auditorium, and complete facilities for the Music Department. When completed, the Center will also house the departments of Art and Dramatic Art.

The dean has supplied the following interesting statistics concerning the 113 Fine Arts graduates of the past five years about whom information is available: 70 are using their professional training to earn a living or are graduate students in the arts; 35 are housewives; 4 are in military service; and 4 are in occupations other than some phase of the arts. Apparently it would be difficult to support a contention that there is little correlation between training and livelihood in the Fine Arts.

*The College of Law.* Last year's report spoke of the retirement in June, 1958, of Dean A. L. Gausewitz, who had led the College of Law since its founding in 1947, and of the acting deanship of Professor Robert Emmet Clark. In March of this year, Vern Countryman was appointed Dean of the College and Professor of Law, effective July 1. Professor Countryman has taught at the University of Washington and Yale law schools and more recently has engaged in private practice in Washington, D. C. The University is grateful to Professor Clark for his effective and valued service as acting dean.

During the past year the law curriculum has undergone substantial revision, primarily to meet more effectively the needs of first-year students. The Student Bar Association provided excellent cooperation in the legal education process and, in joint sponsorship with the State Bar and the Albuquerque Bar Association, conducted a highly successful legal institute.

Of much general interest was a series of visits by the president of the State Bar and the acting dean to eight bar associations in different

areas of the state. During these visits, which were very well received, Mr. Clark spoke on the functions of a University law school.

*The College of Nursing.* Each year since its establishment in the fall of 1955, the College of Nursing has added an additional year to its program and additional courses to its curriculum. During the past year the first four-year cycle was completed, and the first twelve graduating seniors received the degree of Bachelor of Science in Nursing at the Commencement Exercises in June. Eight of the twelve graduates who completed the entire nursing program in this College took the State Licensing Examinations and made median scores above the national average. The other four graduates were already registered nurses and had written the examinations earlier.

During the summer, a workshop in Cardiovascular Disease Nursing was attended by thirty-eight registered nurses and because of statewide interest will probably be repeated in the coming year. Two additional courses, for which there is great need—Hospital Head Nursing and Cancer Nursing—were in the planning stage at the end of the year.

As this report goes to press, word has just been received that the baccalaureate program of the College, including the field of Public Health Nursing, has been fully accredited by the National League for Nursing.

*The College of Pharmacy.* The College's five-year program of pharmaceutical education, approved by the general faculty in June, becomes effective on April 1, 1960. Designed to give the student additional breadth as well as depth in his curriculum, the new program will require at least fifteen hours of elective work outside the professional and basic science areas. As Dean Cataline has commented, "Not only must the modern pharmacist keep abreast of the tremendous advances in the medical sciences; he must also practice his profession and conduct his business in an increasingly complex world. His role as a consultant in drugs to the medical profession and the public, as well as his serving as a confidant in health and other matters to the members of the community, make it imperative that he be as broadly educated as possible."

The faculty of the College has been active in research during the year and has pursued an effective and rewarding program of inter- and intraprofessional relations.

*Military Training.* The two Reserve Officer Training Corps units commissioned during the year a total of 33 officers—16 as Navy ensigns, 9 as second lieutenants in the Marine Corps, and 8 as second lieutenants in the Air Corps. The AFROTC is commencing this fall a Flight Instruction Program which will enable a cadet to obtain, upon graduation, a private pilot's license together with a reserve commission in the regular Air Force. The Naval unit has been notified that it is one of five NROTC groups in the country selected to conduct an experimental course in scientific principles and applications to naval weapons systems. Concurrently, the unit is presenting a course in navigation—the only one of its kind being offered by an NROTC unit—which is designed to increase the midshipman's understanding of navigation and astronomy and to provide basic knowledge of operations and theory of surface and space navigation.

The Air Force unit received the highest possible rating from an annual inspection team, and the NROTC midshipmen won top honors in "leadership, interest and ability" at summer training in competition with students from 25 other universities.

### *The Graduate Program*

Graduate enrollment in the fall of 1959 rose to a record high of 1,488, a 14% increase over the 1958 figures—this in comparison with a 5% increase for the University at large. The temporary leveling-off in enrollment now apparent at the undergraduate level does not seem to obtain in the Graduate School, a heartening sign in view of a critical recruitment situation now confronting the country. Persons of ability with advanced degrees are urgently sought, not only in many areas of teaching, but for positions in industry and government.

Four new advanced-degree programs have been instituted during the past year, two at the doctoral level, two at the master's. New masters' degree programs were added in comparative literature and in the teaching of Spanish. The latter was the first implementation of a broad degree framework proposed by the College of Education, making possible the effective cooperation of the College and the departments of the College of Arts and Sciences in the graduate-level preparation of teachers in the various subject areas.

In response to a rapidly growing need in the state, the College of Engineering has broadened and expanded its Doctor of Science pro-

gram, previously limited to electrical engineering, to include the chemical, civil, mechanical, and nuclear engineering fields. This program involves work in engineering concentrations rather than along strictly departmental lines and thus affords considerable latitude in the composition and sequence of the student's graduate curriculum.

The second new doctoral program, leading to the degree of Doctor of Philosophy in Ibero-American Studies, is administered jointly by the departments of History and Modern and Classical Languages. Largely financed by provisions of the National Defense Education Act of 1958, this degree is aimed primarily at the preparation of college teachers who are well qualified for teaching and research in Ibero-American history and literature. Under Title IV of Public Law 85-864, seven graduate fellows are being subsidized annually to begin work on this new degree.

For several years the Sandia Corporation has sponsored a generous student subsidy program on both graduate and undergraduate levels, which enables its employees to continue their formal education, generally during off-duty hours. Under its terms, the Corporation assumes 50% of the employee's tuition costs upon successful completion of a course with a grade of "C" or better, and, in addition, subsidizes the University to the full extent of each tuition fee paid. There is, however, the assumption that the additional subsidy will assist the University to offer specific evening courses needed by the Corporation's employees. Last year, 799 employees took advantage of this program. Recently the Corporation has also instituted, in conjunction with the University, a pilot program of advanced technical training, in which certain new employees, engaged on a full-time salary basis, are devoting approximately half their time to a two-year graduate program at the University and the other half to Corporation work assignments. The program is designed to provide new technical staff, holding bachelors' degrees, with additional background and knowledge in modern analytical methods and basic scientific concepts, placing heavy emphasis on graduate-level electrical and mechanical engineering as well as advanced mathematics, statistics, and modern nuclear physics. If this program is approved on a continuing basis, direct subsidies as well as the payment of tuitions will underwrite most of the cost of the program to the University.

The Corporation's far-reaching educational aids program has also contributed directly in many ways to the benefit of the University's instructional and research programs. Various elements of this assistance are mentioned in other parts of this report, but are summarized briefly

here as follows: (1) consulting and summer work for faculty members; (2) loan of carefully selected members of the Corporation staff for teaching assignments; (3) loan of scientific equipment for use on research projects and in the classroom (during the last academic year, equipment valued at \$189,000—including an electronic computer—was on loan under this program); (4) cooperative work with the University in the establishment of new courses and modifications of existing ones; (5) the placing of reference books in the University Library; and (6) the provision of \$100,000 on an annual basis for the support of fundamental research.

The University's graduate centers at the Los Alamos Scientific Laboratory and at the Holloman Air Force Missile Development Center, in operation since 1948 and 1954, respectively, had thoroughly successful years. First-semester enrollment—178 at Los Alamos and 47 at Holloman—showed no significant change over the preceding year, but the number of graduates from the Los Alamos program rose from 5 to 12 and is expected to increase steadily in the coming years.

Surely, as New Mexicans, we are highly appreciative of the tremendous stimulus which has been given to our state by the federal installations which have been established within its borders. They have greatly strengthened our economy, our educational system, our research and development activities; and particularly have they encouraged and strengthened the graduate program at the University.

### *Community Services*

The Division of Extension, Summer Session, and Community Services had a gratifying year in terms of the various programs of adult education for which it is responsible, with substantial enrollment increases reported in correspondence work and in non-credit courses offered by the Community College.

Statistically speaking, the widespread services of the Division involved an impressive total of some 40,000 people during the year—this despite an increasing limitation in the availability of campus facilities for continuing education programs. The opening of the New Mexico Union this fall will for a time offer considerable relief in this area, although as the resident student body grows, the space available for

Division activities will diminish proportionately. Enrollment figures for the various programs were as follows: 106 extension courses were conducted for 1,305 enrollees at Belen, Farmington, Gallup, the Holloman Air Force Missile Development Center, Jemez Springs, the Los Alamos Scientific Laboratory, Mountainair, Roswell, Santa Fe, and Socorro; a 14% increase since last year (and an 86% increase over four years ago) showed 551 persons newly enrolled in 75 different correspondence courses, the registration distributed over 32 states and 2 foreign countries; four television courses presented for credit had 431 enrollees in Albuquerque, Gallup, Los Alamos, and Santa Fe; in the Community College, those taking credit courses after four o'clock accounted for 3,290 persons (non-degree enrollment, 1,466; enrollees for regular degree status, 1,824), those enrolled in non-credit courses for educational growth in vocational or professional fields, 2,838 (of this figure, business courses attracted 30% of the enrollees, vocational courses 12%, arts and crafts 12%, language and language arts 15%, homemaking 16%, and general interest courses 15%); conferences, institutes, short courses, workshops, and community development programs—all considered a part of the continuing education program and therefore a responsibility of the Division—28,277 persons; and the 1959 Summer Session, an enrollment of 2,263. Although representing a 3% decrease from last year's over-all registration, the 1959 Summer Session enrollment showed an increase of from 16 to 19% in those from outside New Mexico. A popular feature, which will be repeated next year, was the offering of a number of regular courses in concentrated three- or four-week periods.

A \$100,000 grant from the Charles Lathrop Pack Forestry Foundation has enabled the University to undertake this year, through the Division's general direction, a three-year program of watershed conservation education. Stated briefly, the objectives of the project are to inform the people of New Mexico about (1) the critical water situation confronting them, (2) the interrelationships and interdependence of people, land, and water, (3) the need for constructive action, and (4) some of the more urgent measures that are involved in meeting the current situation. Commencing operations in February of this year, George W. Worley, director of the program, has outlined as part of his far-reaching program the preparation of a portable exhibit, the organization of a conference and a summer workshop on watershed conservation, and the wide distribution of a new film, entitled "Watershed,"



which dramatizes the great need for constructive thinking on a matter which is vital to New Mexico's future development.

### *Academic Institutes*

Growing national concern for teacher education, particularly at the secondary school level, has resulted in an extensive program of federal financing in support of a series of summer and academic-year institutes. Generally speaking, the purpose of these institutes has been to help the colleges and universities in their efforts to provide high school teachers of science and mathematics with better knowledge of their subjects and with the means of improving their teaching capabilities.

Four such programs, described in last year's report, have been in operation for varying periods at the University: the Academic-Year Institute for 40 high school teachers; the Summer Institute in Mathematics, with an enrollment of 50; the Summer Institute in Radiation Biology, 20 teachers; and the In-Service Institute for 20 high school teachers of mathematics. All four of these programs have been financed through grants by the National Science Foundation, with additional aid from the Atomic Energy Commission in the case of the Radiation Biology Institute.

During the year arrangements were completed for two additional institutes: The Summer Institute in Engineering Research, the only one of its kind in the country, was held for the first time in the summer of 1959, also with National Science Foundation assistance. Through its provisions, ten carefully selected high school teachers of mathematics and science were given practical training in engineering research, so that through first-hand experience in engineering methods they might more readily understand the close relationship between mathematics, science, and engineering and thus be better prepared to advise those of their students planning careers in these fields.

By authorization of the Language Development Program of the National Defense Education Act, the University of New Mexico was selected to establish the first academic-year Institute for Secondary School Teachers of Spanish in the country. Three other institutions will conduct similar academic-year institutes in other foreign languages, and eight summer institutes were also authorized under provisions of the Act. Since over 250 colleges and universities from 49 states expressed a desire to conduct institutes, the selection of the University of New

Mexico is a distinct honor for the Department of Modern and Classical Languages. In instructing the twenty high school teachers, who are enrolled on fellowships, the institute's staff will emphasize audio-lingual methods, calling upon recent developments in electronics and applied linguistics. A master's degree may be earned upon successful completion of the year-long session and a subsequent summer period.

### *The Faculty*

The faculties of the eight degree-granting colleges continued to appraise their duties painstakingly in terms of the most fruitful utilization of their time, for the approaching "tidal wave" of enrollment means inevitably that, nationally speaking, a pitifully small number of experienced teachers must in some way reach an ever-increasing flood tide of students.

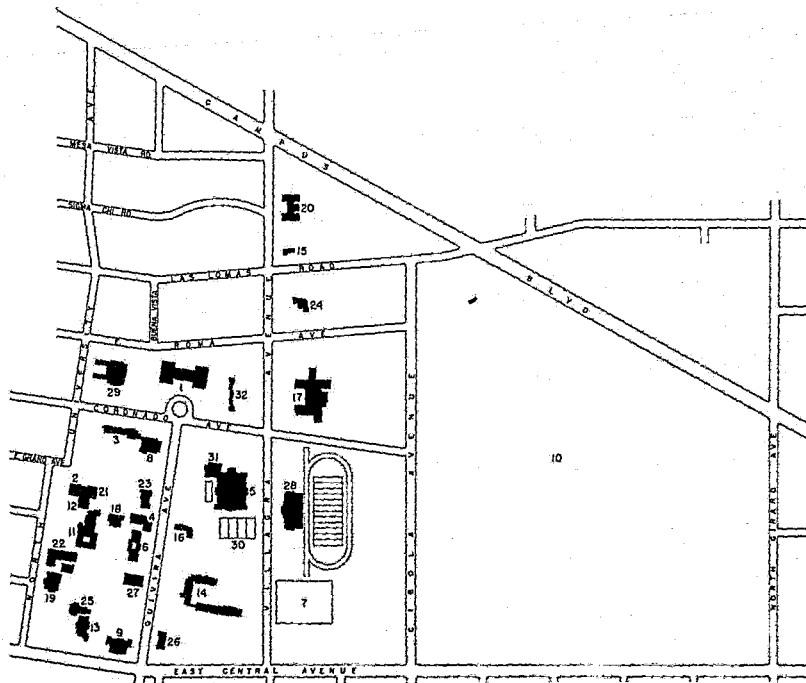
With the student-faculty ratio already too high—nearly twenty to one—for many areas of instruction, experimentation directed toward meeting enrollment increases without corresponding increases in the faculty has taken several forms, among them a three-year trial program in educational television. Recently, also, there has been a determined effort in certain areas to allow faculty members more teaching time by freeing them from some of their thoroughly routine but time-consuming jobs through more liberal use of both undergraduate and graduate assistants. These experiments have been directed primarily toward a quantitative problem involving the relationship of student and teacher, but there is an equally pressing qualitative need in terms of the teacher alone, that of finding more time for the research and creative work so vital to his academic growth.

Higher salaries, particularly in the upper ranks, continue to be a critical need of this and other universities, as faculty members in increasing numbers are finding it necessary to leave their professions for higher-paying jobs in government and industry. Selective salary increases, averaging perhaps 10% in the aggregate, were made possible (1) because the employment of new faculty members was held to a bare minimum, this and other economies being applied to increases for the present staff, and (2) as the result of an increased appropriation by the 24th Legislature. The resultant increases were a far cry, however, from the 40% so earnestly requested of the Legislature for the first year of



*Diagrammatic Land-Use Study, Showing Concentric Zones of Use and the New South Campus*

# THE UNIVERSITY OF NEW MEXICO CAMPUS IN THE IMMEDIATE POST-WAR PERIOD—1946



## LEGEND

100 0 100 200 300 400 500 ft

1. Administration
2. Aeronautical Laboratory
3. Bandler Hall
4. Biology (Parsons Hall)
5. Carlisle Gymnasium
6. Chemistry
7. City Reservoir
8. Dining Hall
9. Fine Arts
10. Golf Course
11. Hadley Hall
12. Healing Plant
13. Hodgkin Hall
14. Hokona and Marron Halls
15. Infirmary
16. Inter-American Affairs
17. Library
18. Lecture Hall
19. Maintenance Shop
20. Mesa Vista Dormitory
21. Mechanical Engineering
22. Mechanical Engineering Shop
23. Public Health Laboratory
24. President's Home
25. Rodey Hall
26. Sara Reynolds Hall
27. Music Building
28. Stadium
29. Student Union
30. Tennis Courts
31. University Press
32. Yokota Hall

# THE UNIVERSITY OF NEW MEXICO CAMPUS IN 1959, WITH 27 ADDITIONAL PERMANENT STRUCTURES

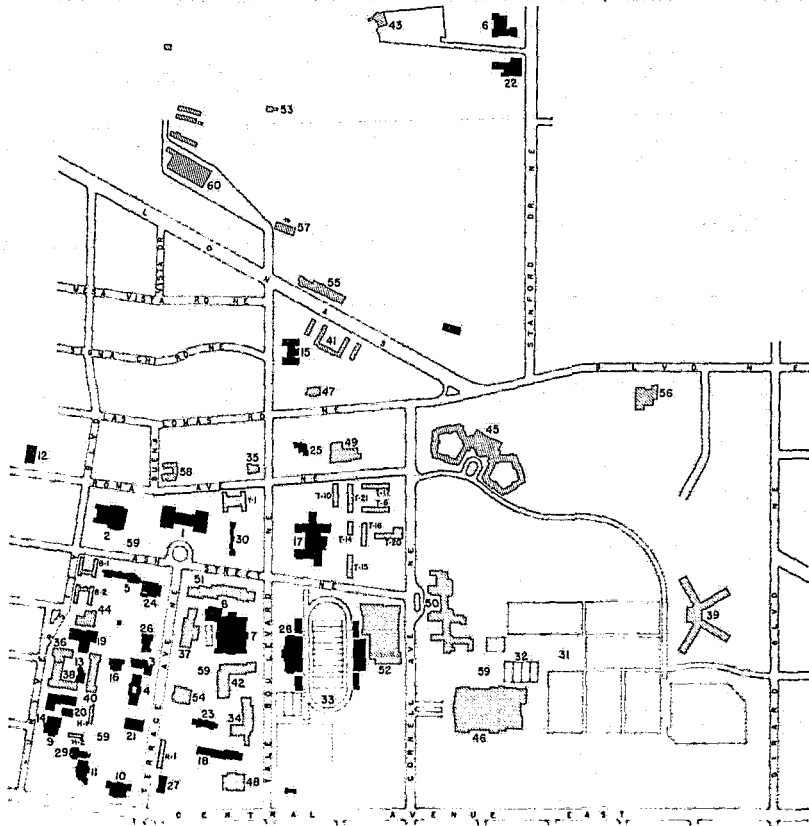
## LEGEND

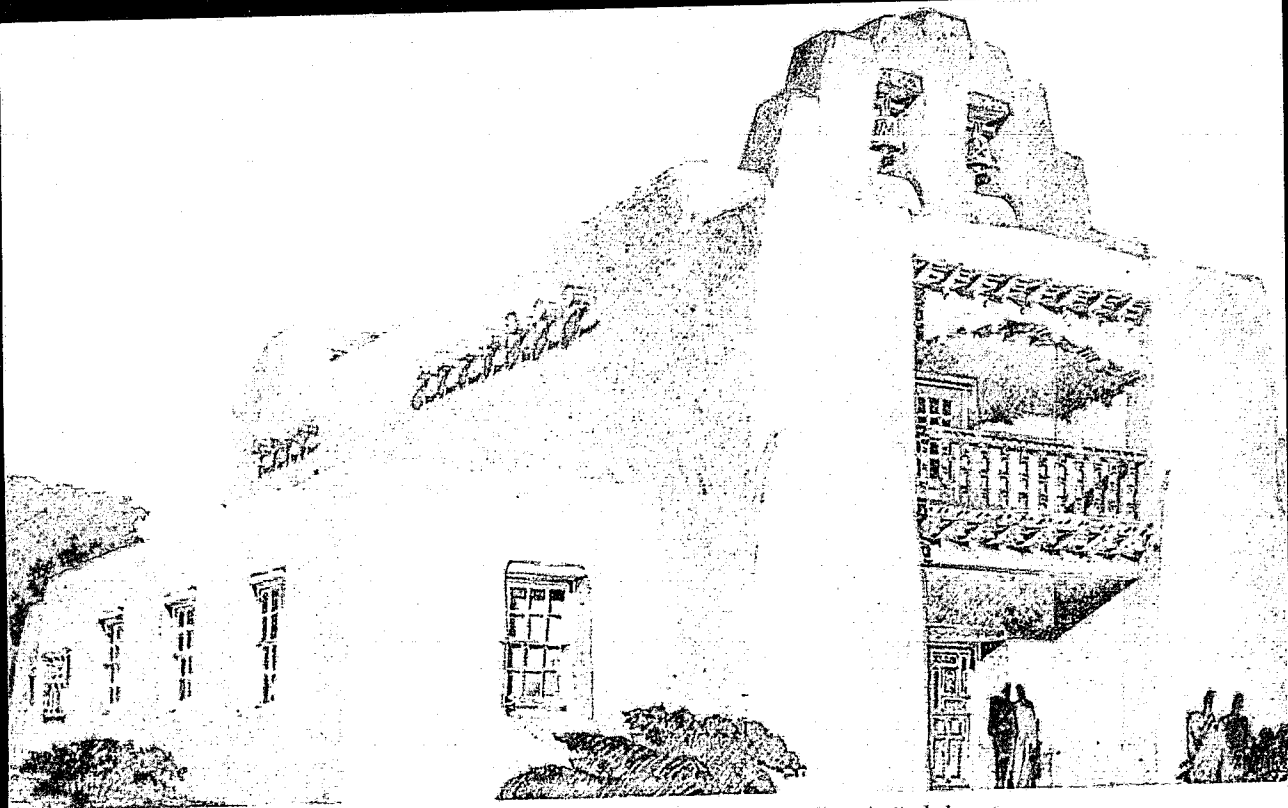
100 0 100 200 300 400 500 FT.

- |   |                               |
|---|-------------------------------|
| 1. Administration                         | 39. Coronado Dormitory        |
| 2. Anthropology                           | 1959, \$ 1,507,620.52         |
| 3. Architecture                           | 40. Electrical Engineering    |
| 4. Art Dept, Crafts Annex.                | 1953, \$ 307,380.60           |
| 5. Bandelier Hall                         | 41. Faculty Apartments        |
| 6. Bernalillo Co. Health Center           | 1950, \$ 125,652.88           |
| 7. Carlisle Gymnasium                     | 42. Geology                   |
| 8. Counseling & Tasting                   | 1953, \$ 911,635.50           |
| 9. Drama                                  | 43. Golf Course Clubhouse     |
| 10. Fine Arts                             | 1951, \$ 50,374.45            |
| 11. Hodgkin Hall                          | 44. Heating Plant             |
| 12. Home Management House                 | 1950, \$ 284,944.41           |
| 13. Hydraulics Laboratory                 | 45. Hokona Hall               |
| 14. Industrial Arts                       | 1957, \$ 2,666,077.34         |
| 15. Infirmary                             | 46. Johnson Gymnasium         |
| 16. Lecture Hall                          | 1957, \$ 2,170,923.10         |
| 17. Library                               | 47. Jenson Gallery            |
| 18. Marron Hall                           | 1950, \$ 54,297.80            |
| 19. Mechanical Engineering                | 48. Journalism                |
| 20. Mechanical Engineering Shop           | 1949, \$ 167,702.59           |
| 21. Music Building                        | 49. Law Building              |
| 22. New Mexico Rehab. Center              | 1952, \$ 287,993.42           |
| 23. North Hall                            | 50. Mesa Vista Dormitory      |
| 24. Ortega Hall                           | 1950, \$ 1,433,948.72         |
| 25. President's Home                      | 51. Mitchell Hall             |
| 26. Public Health Laboratory              | 1951, \$ 341,585.82           |
| 27. Sara Reynolds Hall                    | 52. New Mexico Union          |
| 28. Stadium                               | 1959, \$ 2,806,425.00         |
| 29. University Theatre                    | 53. Observatory               |
| 30. Yaloka Hall                           | 1956, \$ 5,252.37             |
| 31. Athletic Fields                       | 54. Pharmacy                  |
| 32. Tennis Courts                         | 1948, \$ 79,216.11            |
| 33. Zimmerman Field                       | 55. Physics & Meteoritics     |
|   | 1952, \$ 183,260.87           |
| <b>NEW CONSTRUCTION &amp; ACQUISITION</b> |                               |
| 34. Biology                               | 56. Research Center           |
| 1952, \$ 512,997.30                       | Acq. 1957, \$ 134,279.05      |
| 35. Bureau of Business Research           | 57. Riddle Range              |
| Acq. 1949, \$ 24,605.93                   | 1950, \$ 11,187.30            |
| 36. Chemical Engineering                  | 58. Speech, Television, Radio |
| 1947, \$ 56,493.00                        | Acq. 1957, \$ 96,699.97       |
| 37. Chemistry                             | 59. Utilities Tunnel          |
| 1952, \$ 505,708.83                       | 1958, \$ 670,000              |
| 38. Civil Engineering                     | 60. Warehouse                 |
| 1950, \$ 142,617.03                       | 1949, \$ 122,803.91           |

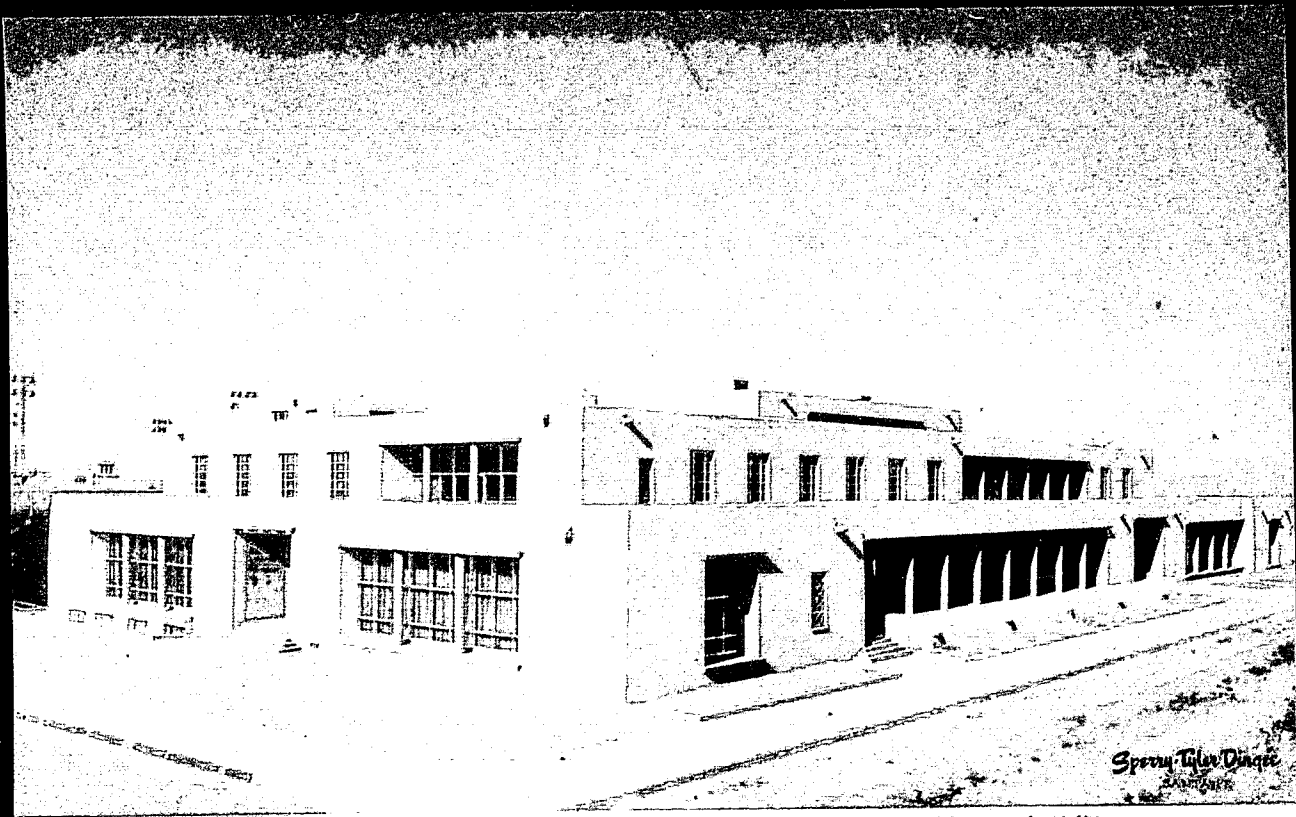
 New Construction & Acquisition since 1948

 Temporary Buildings





*Construction of the Long-Awaited Memorial Chapel Will Begin Early in 1960*

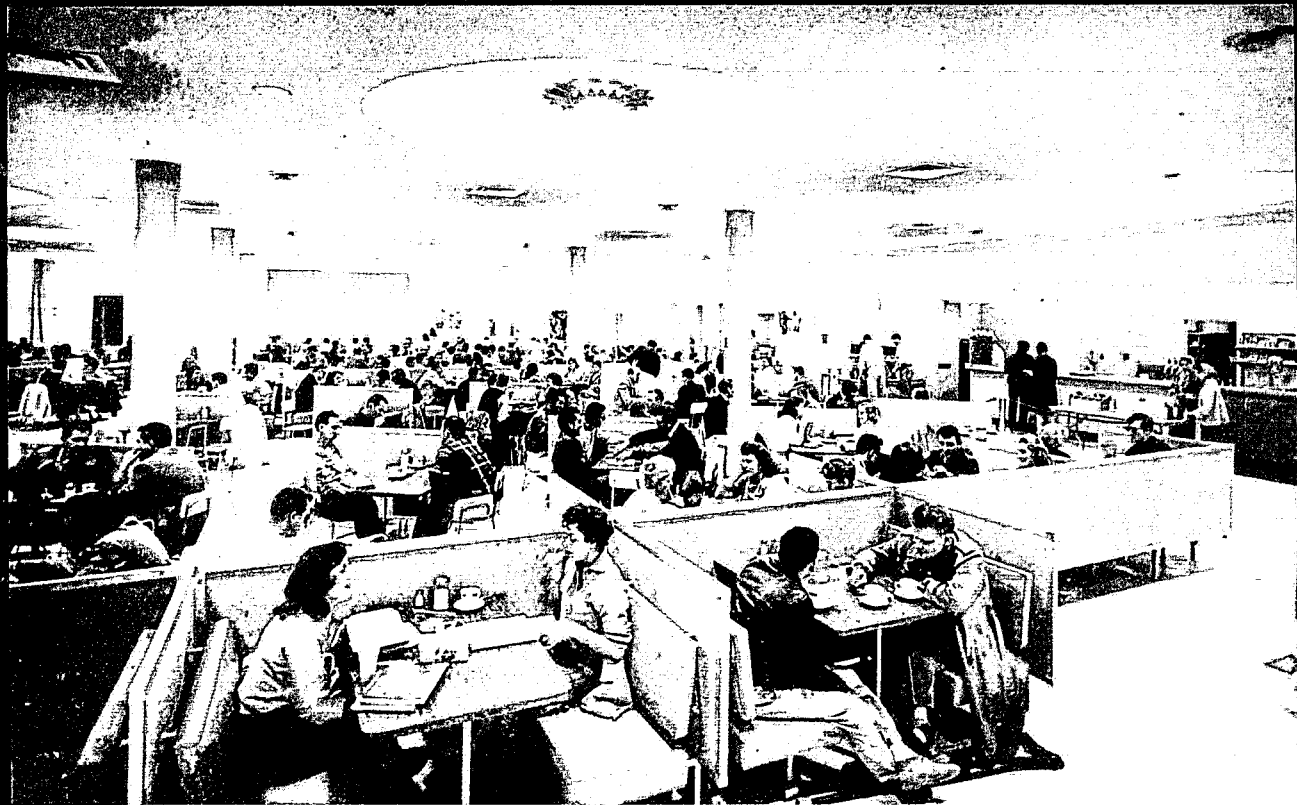


*The New Mexico Union, Eight Times Larger Than Its Predecessor, Was Completed in Time for the Fall Semester*

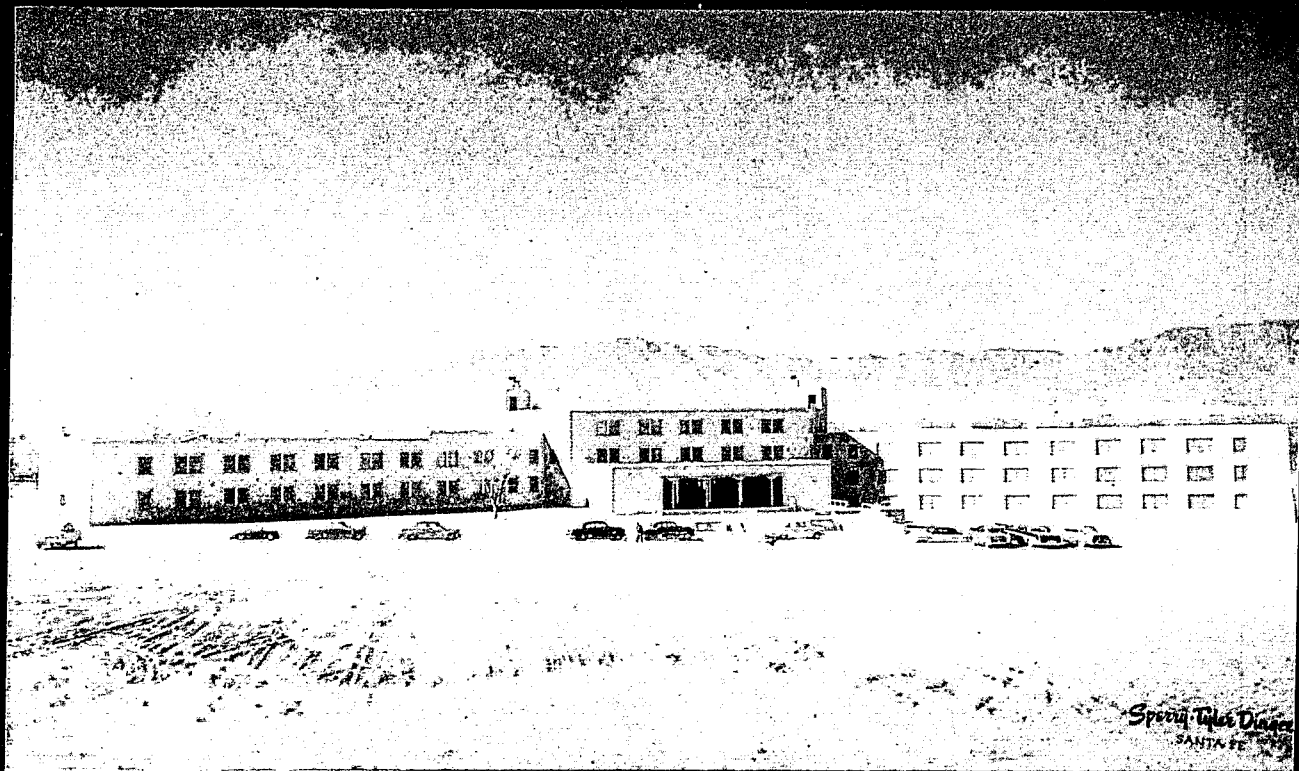


*The Main Lounge and Information Desk of the Union*





*Part of the New Union's Main Cafeteria Fountain Area, Which Seats 408*



*Spring-Tiller-Diaper*  
SANTA FE

*Coronado Doanatory. Filmed Against a Backdrop of the Sandia Mountains, Was Ready for Occupancy in September*

the biennium, with an additional 20% urged for the following year. It was apparent that the state's legislators made every effort to meet the University's proposed budgetary requirements, considering the resources available, but it seems equally clear that revisions in the tax structure will be needed if major advances are to be made.

By foregoing the higher salaries they could receive in other occupations, many faculty members are actually subsidizing higher education in New Mexico by some \$2,000 to \$3,000 annually, and much more in certain areas—a high price to pay for the intangible rewards of teaching. Costs of education are heavy for those who choose college teaching as a career, and unless a more realistic salary scale is forthcoming, we will soon find it impossible to staff our institutions with the highly qualified and dedicated teachers we need. In the face of what is fast becoming a national emergency, corrective action is imperative.

One measure, at least, of the productiveness of individual faculty members is in the number of their publications and other tangible evidences of scholarly work. Last year, despite increasingly heavy teaching loads, the full-time instructional staff of some 260 accounted for 40 books or monographs, 213 articles, 30 book reviews, 47 art exhibits, some 40 individual recitals, and band, orchestra, and chorus concerts, 6 plays directed, and 1 musical composition. This is indeed a creditable performance. In addition, many of the faculty participated actively in the affairs of learned and professional societies, both in the presentation of papers and in the holding of offices.

The faculty was diligent also in discharging the many responsibilities which it assumes through its various standing and ad hoc committees. In this connection, one of the more unusual developments during the past year was the creation by the Policy Committee of the Special Committee for Future Policies. The following is quoted from the Policy Committee's proposal for the new group: "At present there is no committee of the faculty whose function is to roam without restraint in the realm of intermediate and long-range planning. The proposed committee is intended to fill this gap. It would be assigned no topics of investigation, but would be expressly kept free to choose its own. It would have no administrative responsibility, but would investigate whatever subject it believed was most relevant to the advancement of the basic aims and objectives of the University providing the matter was not actively under study by another committee."

## *Sponsored Research*

The volume of the University's outside-sponsored or contract research program continued to grow impressively. At the end of the academic year, there were 71 projects—28 of them new—in 15 departments, the contracts totaling \$1,792,659. This amount compares with \$1,214,629 for 1957-58 and \$816,000 for 1956-57, an increase of 120% over the two-year period. Electrical Engineering, with \$475,177, heads the list of departments in the amount of contract research in process, with Physics, Psychology, Chemistry, Mechanical Engineering, Anthropology, and Mathematics following in that order, each of them having projects in excess of \$100,000. The other departments engaging in contract research during the year were Biology, Chemical Engineering, Civil Engineering, Economics, Elementary Education, Geography, Geology, and the Division of Foreign Studies. As has been true in the past, all such research was on the initiative of the individual faculty member or department rather than that of the institution.

Clearly, sponsored research at the University cannot be expected to continue increasing at its present rapid rate because of the practical limits imposed by our physical and human resources. On the other hand, the next few years should bring a sharp increase in the size of the faculty, and a variety of additional circumstances would make it unwise to impose a definite ceiling on the total amount of such research.

In his annual report the Director of Research comments on various aspects of sponsored research. Several excerpts are presented here:

Educational institutions are the principal sponsors of basic research and uncommitted scholarship. They therefore carry a heavy responsibility to encourage the free exercise of the intellectual curiosity of their faculty and students as their special share of the nation's research activities . . . Today, research in educational institutions is crucial to the national welfare, and toward this end sponsored research is indispensable and must be continued. Federal support of such research, however, is not now essential to the survival of higher education and should not be permitted to become so.

Sponsored research has provided many advantages to educational institutions. It has expanded the volume of research and has contributed toward the advanced education of many students, particularly in science. Our graduate school could not have maintained its current enrollment and output had not sponsored research increased its capacity and provided employment for graduate students who were able but in need of financial aid. Sponsored research has in some instances improved the quality of graduate education by providing equipment that might not have been available otherwise. It has increased the

scientific productivity of our faculty by furnishing them with student assistants and equipment. Sponsored research projects on a large scale have enabled many of our graduate students to acquire techniques which can be learned only through participation in organized team research. The result is that our University is turning out men and women who are better qualified for work in research laboratories than they would have been without the experience gained by participation in large-scale sponsored research projects.

Through a facility security clearance granted by the Department of Defense, the University is able to engage in classified research if called upon. During the past year, however, only five of the 71 active projects had any degree of classification. Most of the others involved basic rather than applied research. In this connection, the Sandia Corporation embarked upon the first year of its policy, announced in last year's report, of making available a fund of \$100,000 on an annual and continuing basis to support fundamental research at the University. Under the terms of this policy, research projects are proposed by faculty members in areas of interest to the Corporation.

During the year the University received on indefinite loan from the Sandia Corporation, through its educational aids program, an all-purpose digital computer which is suitable for both business and scientific applications. Because of its versatility, it is believed that this new computer will greatly expand the University's research and instructional possibilities in such fields as mathematics, business administration, engineering, and the sciences. Another electronic brain—MANIAC I—was received a year or so ago as excess property from the Los Alamos Scientific Laboratory. This computer has not yet been put in operation, but it has been completely reassembled and is now being tested in anticipation of early use. Present plans are to appoint a short-term faculty committee to work with a professional operator toward the solution of all problems which arise during the first year in connection with the use of the two computers.

### *Other Research and Publication*

In addition to the large volume of research generated by outside sponsors, there was an active program within the various research and publication divisions financed by University funds. The Bureau of Business Research, now in its fifteenth year of operation, continued its basic activities of gathering, analyzing, and interpreting data concern-

ing the economic life of the state—its population, natural resources, employment opportunities, income, business activities, and markets. The main reason for the existence of the Bureau is to serve New Mexico—its businesses, its governmental agencies, its civic groups, its citizens in general, and those who contemplate being citizens. One index of its growing value to the state is the substantial increase in the number of requests for specific information and/or evaluations and interpretations—785, compared with 477 for the preceding year. Such requests are primarily for projections of various kinds—income, population, employment, volume of sales, etc.—for the state as a whole and for specific localities. Last year, publications of the Bureau included 12 issues (one in two sections) of the monthly business journal, *New Mexico Business*, 12 issues of the *Retail Food Price Bulletin*, one addition each to the "Business Information Series" and to the "New Mexico Studies in Business and Economics," and a new directory of manufacturing and mining. Each issue of *New Mexico Business* contained nearly 50 regular statistical measures of business activity and a brief article summarizing current business conditions in the state.

Another research unit, the Institute of Meteoritics, also in its fifteenth year, continued to be active in the discovery and identification of meteorites. The Institute was apparently the first in the world devoted primarily to meteoritical research.

There is apparent in nearly all departments an ever-increasing attention by members of the faculty to individual research and professional growth as a basic part of their obligation of intellectual leadership. A small fund administered by the University Research Committee accounted for 49 grants to 43 individuals, representing six different colleges, and the University's sabbatical leave program enabled nine faculty members to pursue research projects without campus responsibilities. In general most individual research was carried on without financial aid of any kind. Professor William J. Parish, recently appointed dean of the College of Business Administration, was named the sixth annual Research Lecturer for his distinguished research achievements in the field of economic history.

Of pertinence in a discussion of the University's research program is the recent approval by the Regents of a patent policy. Through its provisions the University has retained as its patent administrator the Research Corporation, a non-profit corporation which was organized

specifically to provide means for the advancement and extension of technical and scientific investigation, research, and experimentation. Any royalties are shared by the Corporation and the University, with the inventor to receive a percentage of the University's share according to individual negotiation. During the past year, seven disclosures were submitted to the Corporation; five were declined and two are still under consideration.

The University Press, which through the years has made many distinguished contributions to regional and national scholarship, published six books, one title in the Publications Series, and four issues of the *New Mexico Quarterly*, a magazine of general intellectual interest, with emphasis on the Southwest. During the year, orders for 21,100 Press books and 1,544 Publications came from several thousand book-dealers, libraries, institutions, and individuals in all parts of the United States and in 28 foreign countries. It should be noted that for the third successive year, the Press has been awarded a \$5,400 grant by the Ford Foundation for scholarly publishing in the humanities and social sciences.

Once again several Press books have been cited for honors in the field of graphic excellence. The University Printing Plant, which for many years has been manufacturing printed material of exceedingly high quality for the various offices and publishing programs of the University, must inevitably share in these honors.

The Press has reported an interesting temporary addition to its staff: Through funds provided by the Cambodian government, the Asia Foundation is sponsoring the training of a promising Cambodian student in the techniques of editing and publishing. He will return to his country to assume important responsibilities in this field.

Additional University publications during the year were regular quarterly issues of *The Southwestern Journal of Anthropology* and *The New Mexico Historical Review*; four studies of New Mexico government problems by the Division of Government Research; and nine technical reports by the Engineering Experiment Station.

### *The University Libraries*

The inflationary spiral continued to plague the acquisition program of the University libraries, as the average cost of scholarly books reached

a point 110% above the level of ten years ago. As the result of the University's inability to increase book and journal purchasing funds proportionately, the net annual increase in volumes has been limited in recent years to about 4.5% instead of the 10% which is now considered necessary for proper library growth. Last year, 13,226 net volumes were added, bringing the total number of catalogued volumes in the general and law libraries to 247,176 and 49,760, respectively.

Gifts and exchanges accounted for 20% of the past year's acquisitions, the largest gift having been the library of the late Pearce C. Rodey, presented by his daughter, Mrs. Edgar Faust. Parenthetically, it is interesting to note that Mr. Rodey's father, Judge Bernard S. Rodey, has often been called the Father of the University. It was he, as a member of the territorial council of 1889, who authored the act which provided for the University's establishment and perpetual support.

It has been a matter of great concern in recent years that even such acquisitions as have been possible have been partially nullified by excessive book losses, and as the calendar year draws to a close the Library Committee has instituted an experimental open-stack policy with a tightly controlled checkout point. Such a policy will be of substantial benefit to the Library's users, in terms of convenience, and should also cut losses significantly.

### *Enrollment and Student Administration*

Enrollment for the fall of 1959 has reached a figure of 7,284, another of an inevitable series of all-time highs. The over-all rate of increase over last year is approximately 5½%, most of which can be traced to a larger graduate enrollment and to a sizeable increase in the number of enrollees in the University College, the "freshman division." Among new freshman admissions, the greatest proportionate increase was recorded from New Mexico high schools, despite the active discouragement of those with less than a cumulative "C" average. This year, state graduates account for 72% of these new admissions. As predicted some years ago, the major wave of the enrollment surge will not be felt until 1962 or 1963; steady though unspectacular annual increases of between 5 and 15% will probably be recorded until that time.



Following is an enrollment summary for the fall semester:

| FALL SEMESTER ENROLLMENT        |              |
|---------------------------------|--------------|
| 1959-60                         |              |
| <i>College</i>                  |              |
| University College .....        | 2,638        |
| Arts and Sciences .....         | 757          |
| Business Administration .....   | 246          |
| Education .....                 | 411          |
| Engineering .....               | 549          |
| Fine Arts .....                 | 139          |
| Nursing .....                   | 50           |
| Pharmacy .....                  | 67           |
| Law .....                       | 87           |
| Graduate School .....           | 1,488        |
| Non-degree .....                | 852          |
|                                 | <u>7,284</u> |
| <i>Class</i>                    |              |
| Freshman .....                  | 1,934        |
| Sophomore .....                 | 1,299        |
| Junior .....                    | 811          |
| Senior .....                    | 646          |
| Fifth year (Architecture) ..... | 11           |
| Unclassified .....              | 156          |
| Law .....                       | 87           |
| Graduate School .....           | 1,488        |
| Non-degree .....                | 852          |
|                                 | <u>7,284</u> |

An integral part of the University's plans for achieving high academic standards in the face of growing enrollments has been to seek out for admission the ablest of the state's high school graduates, and in this connection, the college plans of the 44 National Merit Certificate winners from New Mexico for 1959 are of interest. Of this number, 13 expect to enroll at the University of New Mexico, considerably more than at any other institution (the next greatest number—5—will enroll at Stanford).

This fall, for the first time, a system of decentralized advisement made possible a new registration procedure which resulted in a saving of time for both students and faculty members.

The most noteworthy events of the year in the area of student affairs were the completion of the New Mexico Union, ten years in the planning, and of Coronado Hall, the first new residence hall for men since 1950. The addition of Coronado made possible the removal of four temporary barracks buildings, which had served for more than ten years as makeshift dormitories, and brought to about 900 the University's permanent housing capacity for single male students. The Union, with a capacity some eight times that of its predecessor, will fill a long-standing need on the campus. Through its central location, its experienced staff, and facilities which readily invite comparison with those of any Union in the country, it should serve the needs of the University as a campus community center for many years to come.

Since last year's report, the following new scholarships have been established:

The Alpha Delta Kappa, Gamma Chapter, Scholarship  
The Archaeological Society of New Mexico Scholarship  
The Thomas S. Bell Scholarship  
The Bernalillo County Medical Association Scholarship  
The Dona Ana County Bar Association Law Scholarship  
The Espanola Hospital Volunteer Service Scholarship  
The Forty and Eight Voiture 709 Scholarship in Nursing  
The Dr. Eric P. Hausner Memorial Scholarship  
The Portia Irick Nursing Scholarship  
The Carlisle Kruger Memorial Scholarship  
The Phillip D. Miller Memorial Scholarship  
The Sanitary Laundry Scholarship  
The Berta Hurt Van Stone Memorial Scholarship  
The Eric L. Williams Memorial Scholarship

Scholarship and fellowship awards and student grants-in-aid made during the 1958-59 academic year amounted to \$252,125, while student loans totaled \$28,893. An 18% increase in loans over those of last year was largely the result of funds made available through the National Defense Education Act of 1958. A considerably larger amount is available for the coming year.

The new position of Associate Dean of Men was added to the staff of the Personnel Office at the beginning of the 1959-60 academic year. The first incumbent, William M. Chase, will have responsibility for

the University's scholarship program and for the administration of the National Defense Loans. In addition, he will serve as adviser of foreign students, of whom 96 were enrolled during the year.

The Placement Bureau, which last year took over the functions of the Teacher Placement Bureau, formerly administered by the College of Education, continued to assist students in finding part-time employment and to aid graduating seniors, alumni, and other qualified persons in securing employment in permanent positions. Part-time employment was provided for 996 persons, while 289 were placed in permanent jobs. The Bureau reports more selective hiring but, at the same time, higher starting salaries for graduates in business and technical fields. It is significant that the average monthly salary accepted by our 1959 graduate engineers at the bachelor level was \$505, a figure well above reported national averages.

The University Counseling and Testing Services administered a full battery of tests, both group and individual, during the year. Tests sponsored by the University—placement and psychological examinations, the English Proficiency Examination, and the Graduate Record Examination—were given to 4,695 individuals; statewide tests for high school juniors, jointly sponsored by the several state institutions of higher learning, accounted for another 10,900; and a number of tests administered for the Educational Testing Service and other outside agencies were an additional part of the Division's services. Several hundred students were given individual testing and counseling, mostly concerning vocational or educational objectives, and there were numerous requests from offices or agencies outside the campus for assistance in selecting personnel or in establishing testing programs.

### *Intercollegiate Athletics*

Several years ago, the Faculty, and in turn the Regents, approved a series of general policies pertaining to an intercollegiate athletic program to be integrated with general physical education activities. This policy states clearly that the athletic program shares a responsibility with all other segments of the University to maintain academic standards of high quality, and that athletes are expected to participate, first and primarily, as full members of the student community with the same responsibilities accorded all students. The Faculty, within its powers, has

assumed the responsibility for keeping the environment conducive to these objectives.

It has also been considered important, however, within the framework of this policy and the regulations of the Mountain States (Skyline) Athletic Conference, the North Central Association, and the National Collegiate Athletic Association, that the University be able to compete on a fair basis with institutions of similar size and educational philosophy, generally located within our own area.

The past year in intercollegiate athletics may be considered as meeting these objectives successfully: participation by student-athletes in a well-balanced program which has seen its fair share of victories and has contributed in considerable measure to the total values of the University.

University teams competed in the Skyline Conference in eight varsity and two freshman sports, the golf team winning its third consecutive championship, the football and track teams placing second, and the tennis team placing third in Conference standings. An individual Conference champion was named in swimming; track contributed two Conference champions and the University's first national champion; and two members each of the football and baseball teams were selected for All-Skyline first teams.

Under the guidance of an excellent staff, whose members are dedicated to the highest ideals of college athletics, our intercollegiate sports program is making excellent progress in all areas, keeping pace with the over-all growth of the University. With Johnson Gymnasium recognized as one of the finest athletic facilities in the Southwest and with early construction of a 30,000-seat stadium assured, the department seems well prepared to face the rapid enrollment increases of the near future.

### *The Alumni*

The recommendations contained in the Fullen Report, which was mentioned earlier, are receiving careful study, but regardless of the action taken, it appears certain that an annual giving program will soon be established as part of a plan of revitalized alumni participation in University affairs. Alumni leaders throughout the country have endorsed

such a program, and much of the preliminary procedural work has already been done.

Some ten years ago the Alumni Association pledged its financial support in the building of an interfaith chapel as a memorial to the University of New Mexico students and alumni who gave their lives in the nation's wars. Since that time, with some \$75,000 donated, fund-raising efforts have been hard pressed to keep pace with construction costs which have risen 16% in the last two years and have more than doubled since the plans were first drawn. Confident that the actual start of construction would serve as the impetus for additional contributions from alumni and friends, and with nearly 70% of the total cost of \$116,000 in hand, the Regents have now authorized the completion of working drawings and the calling for bids. Rather drastic alternates have been prepared which will keep the actual construction within the limits of the funds actually in hand, but the Association has every hope that new gifts will be forthcoming which will make it possible to build the chapel in accordance with the original plan. A site between the Administration Building and the old Student Union has been selected.

### *The Regents*

Two new members of the Board of Regents, appointed by the Governor for terms of six years, took office in March, 1959: Dr. Lawrence H. Wilkinson, Albuquerque surgeon, and Howard C. Bratton, Roswell attorney and the son of U. S. Circuit Judge Sam G. Bratton, who was president of the Board from 1939 to 1951.

The new Regents replaced Wesley Quinn of Clovis, a Board member for the past eight years, and Jack Korber of Albuquerque, who had served since 1939—the last four years as president—the longest term of service on the Board in the University's history.

During Commencement week, these and twenty-three other former Regents were invited to a University luncheon to receive framed certificates in grateful appreciation of their years of thoughtful and devoted service as members of the Board. Each former Regent's certificate stated in part, that "his unselfish dedication to the responsibilities of his office has been a continuing source of strength."

Two off-campus meetings were attended by the Regents during the year: the first, a conference in Santa Fe for the members of the Boards

of Regents of all the New Mexico colleges and universities, called by Governor Burroughs; the second, a regular meeting held in Taos for the purpose of examining University properties in that area. As part of their Taos agenda, the Regents also met with the Board members of the Harwood Foundation for a discussion of the Foundation's aims and purposes.

Elected as officers by the Board for 1959 were Finlay MacGillivray, President; Dr. Ralph R. Lopez, Vice President; and Dr. Lawrence H. Wilkinson, Secretary-Treasurer.

With the rapid growth and development of the University in recent years, its problems and the resulting responsibilities of the Regents have increased greatly. Opportunities are regrettably few for public recognition of these loyal friends of education, and the President wishes to record here the University's sincere appreciation for their diligent service in its behalf.

### *Campus Planning and Construction*

Last year's report described briefly the decision to undertake a long-range development plan for the campus and other University lands and the consequent employment of the architectural firm of John Carl Warnecke and Associates of San Francisco, specialists in campus planning and development. Looking ahead to the needs of a campus whose student population may ultimately reach 25,000, the firm completed during the year a preliminary analysis of growth and building needs and a series of schematic land-use studies predicated on several basic concepts. Among these were (1) a system of concentric zones of use for the various functions and activities of the University, based on walking distance from the center of Zone 1; and (2) a central campus bounded by four major city thoroughfares—Campus, Lomas, Girard, and University—but not traversed by the general north-south and east-west traffic.

The Regents have approved the following general planning principles for the central campus, outlined by the Warnecke firm:

1. Create at least one major open space (mall or plaza); preserve existing green areas insofar as practicable.
2. Preserve and enhance the established architecture of campus buildings.

3. Create numerous enclosed courts and patios by carefully considered placement and design of new buildings, in relation to existing buildings, to form cohesive units. Provide interest and change of pace by forming small spaces to contrast with the large ones. Landscape the enclosed spaces as green areas, and in perimeter areas use desert planting requiring minimum maintenance.
4. Remove thru streets and establish the core of the Campus as a pedestrian preserve; develop a new internal circulation pattern by means of a loop road.
5. Provide major parking facilities at the periphery of the Campus in surface areas, and parking structures as the demand increases. Internal parking areas shall be minimized, consistent with reasonable efficiency, and designed to be unobtrusive.
6. Design for multi-use of areas where possible, e.g., use instructional athletic areas for residence hall play fields.

The general development plan, in final and specific form, awaits tentative projections by the University as to such basic questions as the internal distribution of students to 1970, proposed changes in the character of the curriculum, housing policy, athletic policy, and the future of contract research. Since these projections are now being prepared, the final long-range plan may be expected during the 1959-60 academic year.

The two new buildings of the past year, the New Mexico Union and Coronado Hall; one presently under construction, a student publications addition to the Journalism Building; and those planned for the near future, already detailed in another section of this report, will care for only the most urgent and long-standing needs, and not all of those. Physics, for example, is in serious need of additional space for teaching and research. Many other departments, however, whose space problems are not presently urgent are already making maximum use of their office and laboratory quarters, with further expansion within them impossible. The full impact of the coming "tidal wave" is at most two or three years away, and we must somehow provide for the additional departmental space which this upsurge in enrollment will require. Also, despite recent additions, new dormitories for both men and women will soon be necessities. The vigorous prosecution of the construction and planning program, which is now under way, is, then, a matter of the greatest urgency.

Progress of a rather negative sort may be recorded through the removal of eight of the wooden barracks buildings which the University acquired as war surplus in 1947. Four of them, which had served as makeshift apartments for married students, were condemned by the authorities as fire hazards, and the others were removed to provide space

for new construction. Thirteen additional "temporary" structures still remain, however, all fully occupied and all of them hazardous, unsightly, uncomfortable, and expensive to maintain. As soon as it is possible to vacate them, they should be removed from the campus.

Throughout an intensive new construction program, the Physical Plant Department has been concerned with the numerous and continuing problems of maintenance of University properties, those in Taos County—the Lawrence Ranch, the Harwood Foundation, and the Degen house—as well as on the main campus and at the Coronado National Monument. In addition, the Department undertook several rather extensive jobs of remodeling and minor construction, which would otherwise have been performed by outside contract at greater cost to the University. Partial remodeling of Carlisle Gymnasium, re-lighting in the Library, an addition to the stadium press booth, air conditioning in the Administration Building, and extensive changes in the Jonson Art Gallery were among the Department's many projects completed during the year.

### *Financial Summary*

For the 1958-59 academic year, current funds, revenues and expenditures were at an all-time high of \$6,900,834 and \$6,770,026, with further increases shown in the following budget which was approved by the Regents for 1959-60. "Educational and general" income and expenditures are 94% and 93%, respectively, higher than the corresponding totals in the 1953-54 budget, an indication of the rapid growth of the University in all areas.

#### *Income*

##### *Educational and general:*

|   |                    |
|---|--------------------|
| Student fees (unpledged) .....                    | \$1,200,000        |
| State appropriation .....                         | 3,711,724          |
| Land and permanent fund (unpledged) .....         | 58,000             |
| Sales, services, and miscellaneous income .....   | 253,276            |
|   | <u>5,223,000</u>   |
| Organized activities related to instruction ..... | 392,000            |
| Research and publication .....                    | 260,000            |
| Non-educational .....                             | 780,000            |
| Auxiliary enterprises .....                       | 1,530,000          |
|   | <u>\$8,185,000</u> |



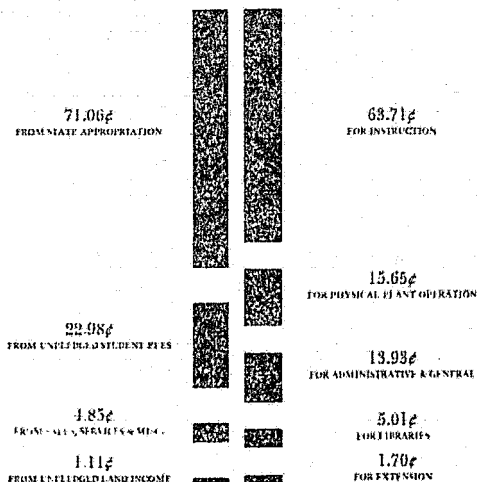
*Expenditures*

## Educational and general:

|   |                    |
|---|--------------------|
| Administrative and general .....                  | \$ 730,000         |
| Instruction .....                                 | 3,338,500          |
| Extension .....                                   | 89,100             |
| Libraries .....                                   | 262,400            |
| Physical Plant operation .....                    | 820,000            |
|   | <u>5,240,000</u>   |
| Organized activities related to instruction ..... | 405,000            |
| Research and publication .....                    | 260,000            |
| Non-educational .....                             | 900,000            |
| Auxiliary enterprises .....                       | <u>1,380,000</u>   |
|   | <u>\$8,185,000</u> |

Budgeted sources and disposition of the University operating dollar (the "education and general" portion of the budget) are shown in the following bar graphs:

## SOURCES AND DISPOSITION OF THE EDUCATIONAL DOLLAR



Tuition fees for both resident and non-resident full-time students have been raised slightly, effective with the 1959-60 fall semester. The purpose of the \$11.50 increase per semester is to safeguard the payment of bonds issued for construction of the New Mexico Union building.

Royalties and the sale of lands administered for the University by the State Land Commissioner made possible the transfer to the University permanent fund of \$469,553, a figure, however, which was some \$59,000 smaller than for the year before. As of June 30, 1959, the permanent fund totaled \$3,389,798. For the first time in a number of years, there was also a reduction in the amount of income realized by the University from these state-administered lands and the permanent fund—\$307,525 as compared with \$364,888 for the preceding year. This decrease undoubtedly reflects uncertainties in the oil industry and is probably an indication that we should no longer rely on the more substantial revenue we have enjoyed from this source in the past.

During the year, the first accurate inventory was taken of equipment owned by the University, and a plant ledger was established. At the end of the year the University's plant investment stood at approximately \$22,500,000, including some \$4,000,000 construction in progress.

### *Necrology*

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

John Wesley Poore, Associate Professor of Art, died on June 25, 1959, in his forty-second year. He received his bachelor's and master's degrees at the University of Tennessee and then studied crafts at the Cranbrook Academy of Art. Teaching assignments at the University of Tennessee and Radford College preceded his appointment at the University of New Mexico in 1949 as an assistant professor. He received promotion to associate professorship in 1955.

"... During the past ten years [at the University] . . . he proved himself a distinguished professional artist within his field, a person with a high sense of civic responsibility, and an outstanding teacher with marked ability to inspire the enthusiasm of his students. To him, in large measure, belongs the credit for reawakened interest in the crafts, not only within the Art Department but in other departments of the University and in the community at large. He saw

instruction in his field not merely as the imparting of a special skill; his belief that it could be related in a direct and positive manner to general education, to the development of the total creative process, and to social well-being in a broad sense, amounted almost to a dedication and a mission. It was his conviction that each student had his own particular genius which needed only to be developed, and this, together with his ability to make friends of his students, to provoke mature thinking among them, and to stimulate their imagination was what made him unusual as a teacher. It is the more remarkable that his success was in spite of a serious and often crippling health handicap of many years' duration. Quiet and unassuming, he was a man of rare humility and personal charm." (*Excerpts from Memorial Minute adopted by the Faculty, October 13, 1959.*)

Lloyd Spencer Tireman, Professor of Education and Chairman of the Department of Secondary Education, died on October 25, 1959, in his sixty-third year. A graduate of Upper Iowa University (B.A., 1917) and of the University of Iowa (M.A., 1924, Ph.D., 1927), he joined the University of New Mexico faculty in 1927 as an assistant professor, was promoted to associate professor in 1928, and to professor in 1931; he became Chairman of the Department in 1935. He was director of the San Jose Experimental School (1930-36), of the Nambe Community School (1937-42), and of the State Program for the Improvement of Instruction (1937-40). He was internationally known in the field of bilingualism and was the author of three books on the subject.

Dr. Tireman's influence and good works were known not only in Iowa . . . and in New Mexico . . . but also in several foreign countries where he was sent on educational missions by our government. With his extended travel, service, and study—in Wales, Belgium, Switzerland, and Luxembourg as early as 1932; and later in Bolivia, Brazil, Thailand, Jordan; and in Hawaii as late as 1958—he was indeed a citizen of the world, with a sympathy and understanding of the problems of education in many lands. . . . The affection and respect in which he was held by his colleagues cannot be adequately described. . . . His keen insight, his scintillating humor, his words of help and encouragement to the beginning teacher or discouraged student . . . will not soon be forgotten. [He] was a great teacher—a dedicated and untiring "professor" of what he believed to be right . . . a man of great integrity and strength of character, . . . a citizen of whom this state can be justly proud. (*Excerpts from Memorial Minute adopted by the Faculty, December 8, 1959.*)

### *Changes in the Administration*

The following appointments have been noted previously in this report: William M. Chase, Associate Dean of Men; Vern Countryman

to succeed Alfred L. Gausewitz as Dean of the College of Law; and William J. Parish to succeed Vernon G. Sorrell as Dean of the College of Business Administration. Other new administrative appointments for 1959-60 were as follows:

Harley C. Brooks, Jr. was appointed Cataloger in the University Library.

Marjorie Dick was appointed Assistant Reference Librarian, replacing Dorothy Wonsmos.

Dr. Herbert A. Hartfiel was appointed University Physician, succeeding Dr. Joseph W. Kimbrough.

F. Claude Hempen was appointed Manager of Station KNME-TV, with direct responsibilities to the President of the University and the Superintendent of Schools, succeeding Bernarr Cooper who served as Director of University Television and Radio.

Mary Elizabeth Roddy was named to the position of Director of Hokona Hall, succeeding Mary Failing.

### *Departmental Chairmen*

In Anthropology, Stanley S. Newman served as acting chairman for Semester II, 1958-59, during the sabbatical leave of W. W. Hill.

In Secondary Education, Wilson H. Ivins, acting chairman of the department since Semester I, 1957-58, was appointed to the chairmanship, effective Semester II, 1958-59. He succeeded Bonner M. Crawford, who had been chairman since 1952-53. Dr. Crawford will continue as Professor of Education.

In Civil Engineering, William C. Wagner resigned as chairman after sixteen years in that capacity. He will continue to serve, however, as Professor of Civil Engineering. He was succeeded in the chairmanship by Richard H. Clough, whose appointment became effective on July 1, 1959.

In Government, Howard J. McMurray, who had been chairman of the department since 1949-50, resigned from the chairmanship although he will continue to serve as Professor of Government. Charles B. Judah was appointed acting chairman as of April 20, 1959.

In Music, Edwin Gerschelski was named chairman of the department, with the rank of professor, the appointment effective September 1, 1959. During the past two years Nina Ancona has served as acting chairman.

In Sociology, Paul A. F. Walter, Jr. resigned from the chairmanship after twenty-four years in that capacity, although he will continue to serve as Professor of Sociology. Tom T. Sasaki was appointed acting chairman as of July 1, 1959.

Colonel E. G. Schoggen, Jr., commanding officer of the Air Force ROTC unit since 1956, was detached in June for duty with the 384th Medium Bomber Wing (SAC) at Little Rock Air Force Base. Lieutenant Colonel Herbert M. Campbell, formerly in command of the 3497th Field Training Group at Chanhute Air Force Base, was assigned to succeed him and has been appointed Professor of Air Science and Chairman of the Department.

## *Changes in the Professorial Ranks*

### RETIREMENTS

Two members of the faculty retired with emeritus status at the end of the 1958-59 academic year: J. Lawton Ellis, Professor of Electrical Engineering, after twelve years of service; and Julia M. Keleher, Associate Professor of English, after twenty-eight years of service.

### APPOINTMENTS

The appointments of Dean Countryman and Dr. Gerschefski to professorships of Law and Music, respectively, have already been noted. Also effective with the 1959-60 academic year, Richard E. Strahlem was appointed Professor of Business Administration. Professor Strahlem was formerly associated with the University (1945-52) as a member of the College of Business Administration faculty and as Comptroller.

The following appointments to associate professorships, effective 1959-60, were made: E. Wayne Bundy, Speech, Program Director of Station KNME-TV; Rudyard B. Goode, Business Administration, statistician in the Bureau of Business Research (during 1955-57 Mr. Goode held regular appointment in the College as an Assistant Professor); Laura H. Walters, Education.

The following appointments to assistant professorships, effective 1959-60, were made: Betsy Brown, Art; Charles W. Davis, Music; Robert Dextator, Education; Ted Finman, Law; Frank Papcsy, Health, Physical Education, and Recreation; Marvin L. Riedesel, Biology; Mary

Patricia Simmons, Nursing; Henry J. Tobias, History; Yi-Fu Tuan, Geography.

#### PROMOTIONS

The following were promoted to professorships, effective July 1, 1959: Robert E. Clark, Law; Richard G. Huzarski, Civil Engineering; John E. Longhurst, History; George W. Smith, History; Ernest W. Tedlock, Jr., English.

The following were promoted to associate professorships: Dorothy I. Cline, Government; Franklin M. Dickey, English; Marshall R. Nason, Modern Languages; Keith R. St. Onge, Speech; Don P. Schlegel, Architecture; Morton G. Schoenfeld, Music; Oswald Wyler, Mathematics.

December 15, 1959

Respectfully submitted,  
TOM L. POPEJOY  
President

## THE REPORT OF THE COLLEGE OF ARTS AND SCIENCES

July 1, 1958 - June 30, 1959

Enrollments in the College of Arts and Sciences have gone pretty much according to predictions made some years ago relating to nationwide trends, namely, that between about 1953 and 1960 there would be steady increases in college enrollments, with a sudden upward trend beginning about 1960-61. Student credit hours taught in the College of Arts and Sciences (using Semester I figures only) rose from 48,137 in 1957-58 to 51,326 in 1958-59, an increase of 6.6 per cent. The increase was about 3.0 per cent from 1956-57 to 1957-58. Increases of this order are not sensational, but when they have continued for a number of years, the cumulative effect can be almost devastating. Staff, supplies, equipment, and space needs have to be met out of budgets which are already strained. It can not be too often emphasized that the coming "tidal wave" will create problems much more severe than those we have been facing for the past few years. Generous budgets in the immediate future are an absolute necessity if chaos is not to ensue.

### Experimentation

In efforts to meet enrollment increases, the departments of Economics, English, Government, History, Mathematics, and Sociology during academic year 1958-59 established or continued experiments in better utilization of teaching resources. In one way or another these experiments were all designed to enable experienced teachers to reach a greater number of students by making use of senior or graduate assistants for taking roll, grading papers, computing grades, teaching quiz sections, and other like duties. In this experiment, certain departments have pushed the average student-credit-hour load per staff member to very high figures. History in Semester I, 1958-59, taught 4,313 student-credit hours with a staff of 10.75 (counting each graduate assistant as one half staff member), for an average of 401. The average in Economics was 405; in Mathematics, 376. Since so large a proportion of duties is put upon graduate assistants in these experiments, the relative costs in these departments will probably present an even more gratifying figure. There is a point of diminishing returns, however, in any attempt to raise the student-load of faculty. The department of History, for example, in Semester I was exceeding by 33 1/3 per cent the average load per faculty member necessary to keep the total student-faculty ratio at 20 to one. (Even a 20 to 1 ratio is already higher than the present all-University ratio and is considerably higher than the ratio which first-rate institutions strive for.) The ultimate results of any effort to push these average figures higher and higher would be to rob students of practically all contact with first-rate

trained minds and to turn the already too mechanical system into a credit-hour mill. Nevertheless, experimentation should continue, for we may soon reach the point where, regardless of funds available, well-trained superior staff members will not always be procurable in numbers proportionate to enrollment increases.

Members of the staff of the College continued to offer courses by television for campus and off-campus enrollees. Departments involved were Anthropology, English, Mathematics, and Modern Languages. Regular teachers gave their lectures from the television studio. Television monitors in each classroom gave brief pre-viewing instructions, conducted a post-viewing question period, and graded all assignments and examinations under the supervision of the regular teacher. It is unfortunate that extreme technical difficulties in the first one and one-half years of operation of KNCB-TV make it impossible to judge fairly the results of this experimentation. Because no permanently usable material on film resulted from the strenuous efforts of some faculty members, many teachers have asked to be relieved of any further responsibility in this program. When offered a choice between "live" classes and a monitored TV class, students have shown a decided and almost unanimous preference for the traditional offering. Wherever classes by TV are continuing, however, the instructors are giving their cooperation freely and have made every effort to keep their standards high and to exercise complete supervision over their offerings.

### Space Needs

As the report one year ago indicated, the two serious problems of space in the departments of the College were in Anthropology and Physics. Relief is already in sight for Anthropology, which will occupy the old Student Union Building after it has been remodeled. There will be adequate space in which to restore the Museum of Anthropology and to provide for offices, special classrooms, and storage. The move to the new quarters should be completed by September, 1960.

The Department of Physics remains seriously in need of additional space for teaching and for research. Sophomore physics laboratories will spill out into the halls of the Administration Building. This situation worsens every year. The fine program of research (including contract research) in Physics long ago outgrew the space in the Physics Building.

If space needs in Physics could be taken care of, there would be no urgency in this regard within the College at the present moment. We are, however, only one or two years away from the beginning of the "tidal wave," and practically every department of the College is already



making maximum use of its quarters. Expansion of office space within the present quarters is already impossible in Economics, English, Geography, Government, History, Mathematics, Philosophy, and Sociology. The saturation point has been reached in laboratory space in Biology, Chemistry, Physics, and Psychology. Fortunately, planning for future space needs is going on vigorously at the top level in the University. If unlimited funds were available immediately, however, it is doubtful that we could move into the era of the tidal wave without serious and embarrassing dislocations and inconveniences.

### Equipment Needs

A most serious need that has been accumulating for a good many years is that of equipment, especially in the scientific fields. Office furnishings in some departments are, to put it mildly, not good enough for a state university. The amount of money required to correct this deficiency is trivial compared with the amount needed to bring the equipment in scientific departments up to reasonable standards. A good university does not content itself with teaching elementary subjects to large numbers of undergraduates. A state university should build also an excellent graduate program. A graduate program of good caliber can be built only upon a faculty that is deeply engaged in research. This requires staff time and the necessary equipment. The ultimate reputation of the institution depends on these essentials. They can not be permanently neglected. Detailed and specific requests of science departments for equipment with which to teach properly and to build a graduate program commensurate with the general reputation of the University run to a total of hundreds of thousands of dollars. Unless these needs are met in the next few years, the institution will suffer greatly in comparison with like institutions in neighboring states. Unprecedented enrollment increases lying just ahead make these needs extremely acute.

### Budget and Enrollment

The budget of the College of Arts and Sciences for the academic year covered in this report was \$1,122,005. The amount for the preceding year (1957-58) was \$1,061,293. These amounts covered costs of administration, instruction, equipment, supplies and expense, and travel.

Enrollment in the College of Arts and Sciences for the past three years, including 1956-57, the last year of operation of the General College, was as follows:

|                      | <u>Arts and Sciences</u> | <u>General</u> |
|----------------------|--------------------------|----------------|
| Semester I, 1956-57  | 1,099                    | 598            |
| Semester II, 1956-57 | 1,070                    | 534            |
| Semester I, 1957-58  | 856                      |                |
| Semester II, 1957-58 | 793                      |                |
| Semester I, 1958-59  | 831                      |                |
| Semester II, 1958-59 | 771                      |                |

These figures on Arts and Sciences enrollments, in an institution having, in 1958-59, a first semester enrollment of almost 7,000, are quite disappointing. (Phi Beta Kappa, in turning down our petition for examination, took note of these figures, as well as of the low proportion of humanities majors in the College.) True, the first semester enrollment of 831 represents, probably, close to 831 full-time students, whereas the University enrollment of almost 7,000 quite certainly is a long way from the full-time equivalent. Disappointment can be further alleviated, to some extent, by consideration of the fact that the University College technically enrolls many students who will ultimately come to the Arts and Sciences College. The University College, however, began operating in 1957-58. The 22 per cent drop in the College of Arts and Sciences in 1957-58 from 1956-57 was to be expected. Another drop of approximately 3 per cent in 1958-59 from 1957-58 begins to become alarming, since the University College was expected to begin screening students and sending them up to the degree colleges. It is still too early to know definitely what the trend is. If students, however, are tending to stay in the University College too long after being eligible to transfer to a degree college, perhaps some change in rules or procedures will be in order in the near future.

It cannot be too often emphasized that, whereas the number of students specifically enrolled in the College of Arts and Sciences is only a small part of the total registration in the University, the College actually carries approximately sixty-five per cent 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, 1957-58, through Semester II, 1958-59. Figures for the previous year (1957-58) 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.

### Revision of Graduation Requirements

On March 3, 1959, the faculty of the College of Arts and Sciences adopted revised graduation requirements. The new requirements raise from 41 to 53 the number of hours a student must give to exploration of the various major areas. Liberal or general educational requirements of this sort, laudable as they appear to be to most faculties, are nevertheless somewhat in conflict with the demands upon a student's time made by his area of specialization. Almost nobody denies that today's student needs more in his specialty as well as more general education. It is a tribute to the patience, open-mindedness, and insight of the College faculty that it was willing to pass this significant increase in number of hours to be devoted to "breadth" in a time when the outside pressures are for increased "depth" or specialization. (Thanks are due also to a patient and skillful committee.) The action, however, is entirely in accord with a nation-wide trend towards diminishing the amount of absolutely free choice a student may have, in order to provide more specified work in both "breadth" and "depth." The following table shows how the College's relative position in the matter is improved by the change.

### BASIC OR GENERAL REQUIREMENTS FOR GRADUATION FROM COLLEGE OF LIBERAL ARTS IN SOME TYPICAL PUBLIC AND PRIVATE INSTITUTIONS

| Institution                    | No. Hrs. | Institution                     | No. Hrs. |
|--------------------------------|----------|---------------------------------|----------|
| State Univ. of Iowa            | 36       | Indiana University              | 57       |
| Univ. of Oklahoma              | 40       | Univ. of Wisconsin              | 57       |
| Univ. OF NEW MEXICO (old)      | 41       | Rutgers Univ.                   | 58       |
| Univ. of Southern Illinois     | 42       | Bowling Green State Univ.       | 58       |
| Univ. of Missouri              | 43       | Duke Univ.                      | 59       |
| Univ. of Kentucky              | 44       | Univ. of Virginia               | 60       |
| Univ. of California (Berkeley) | 44       | Lehigh Univ.                    | 60       |
| Univ. of Idaho                 | 48       | Univ. of Michigan               | 60       |
| Univ. of Minnesota             | 48       | Univ. of Pennsylvania           | 63       |
| New York Univ.                 | 50       | Univ. of North Carolina         | 64       |
| Univ. of Maryland              | 51       | College of the City of New York | 64       |
| Univ. of Alabama               | 52       | Washington Univ.                | 66       |
| Univ. of NEW MEXICO (new)      | 53       | Pennsylvania State Univ.        | 69       |
| Univ. of Rochester             | 54       | Univ. of Pittsburgh             | 78       |

### The Honors Program

The honors program instituted in 1957-58 (including a few students from an experiment conducted in the spring of 1957) was fully described in the report for 1957-58. Since the honors program is tentative and since new offerings need to be made each year, it is appropriate to report annually upon additional or new developments.

Contemplated for 1959-60 for juniors (who are the sophomores of 1958-59) is a required three-hour course entitled "Major Traditions of Western Culture." Under the general direction of Professor John E. Longhurst of the Department of History, the course will consider the religious, scientific, literary, artistic, and ethical developments which have contributed to and which remain meaningful in the present-day civilization of Western Europe. Four other instructors--from Art, English, Government, and Physics--will aid in the course. About twenty-two students, tested survivors of a rather arduous program, will enter the program of the junior year.

In order to give some kind of recognition to students who entered the experimental program in the spring of 1957 and who will graduate in June, 1960, the temporary Honors Council, through the dean of the College, will present early in 1959-60 a proposal to the General Faculty to institute a formal Honors program on a University-wide basis, giving appropriate recognition to the five surviving "guinea pigs" of 1957.

A proposal to a foundation is being prepared which will request partial aid for the program in the senior year as well as aid for developing certain aspects of the entire program.

The enthusiastic cooperation of administration and faculty members, including administrators and faculty members from other colleges, has been exceedingly gratifying.

### Research

Annual reports submitted by departments show an ever-increasing attention to research and to professional growth in practically all departments. Revision in 1957 by the Policy Committee of criteria for promotion has made it clear that advancement to the higher ranks implies increased responsibility towards the profession and towards the advancement of learning, as well as the increased obligation of intellectual leadership. With a revised sabbatical leave arrangement which matches the best in the country, the faculty of the College will undoubtedly accept the challenge to continue growth in these directions.



- 7 -

The long and ubiquitous debate over "teaching" vs. "research" will probably not be brought to any conclusion soon. There is probably only one answer anyway. A university cannot devote itself to one of these to the exclusion of the other; a university has to do both. It is perhaps easier for one person to perform both functions well than we sometimes like to believe.

COLLEGE OF ARTS AND SCIENCES  
AVERAGE STUDENT-CREDIT-HOUR LOAD OF FACULTY  
(Counting Graduate Assistants as 1/2 Staff Member)  
1958-1959

| DEPARTMENT   | SEMESTER I                 |                       |                          |                     | SEMESTER II                |                       |                          |                     |
|--------------|----------------------------|-----------------------|--------------------------|---------------------|----------------------------|-----------------------|--------------------------|---------------------|
|              | Student<br>Credit<br>Hours | Number<br>of<br>Staff | Average<br>per<br>Member | Rank<br>Among<br>17 | Student<br>Credit<br>Hours | Number<br>of<br>Staff | Average<br>per<br>Member | Rank<br>Among<br>17 |
| Anthropology | 2,258                      | 7.0                   | 323                      | 9                   | 1,812                      | 6.0                   | 302                      | 8-9                 |
| Biology      | 3,676                      | 12.25                 | 300                      | 10                  | 4,085                      | 13.75                 | 297                      | 10                  |
| Chemistry    | 3,984                      | 12.25                 | 325                      | 8                   | 3,969                      | 11.25                 | 273                      | 11                  |
| Economics    | 1,821                      | 4.50                  | 405                      | 2                   | 1,584                      | 4.5                   | 352                      | 4                   |
| English      | 8,979                      | 32.5                  | 276                      | 11                  | 7,616                      | 25.25                 | 302                      | 8-9                 |
| Geography    | 465                        | 1.0                   | 465                      | 1                   | 555                        | 1.0                   | 555                      | 1                   |
| Geology      | 2,353                      | 9.5                   | 248                      | 14                  | 2,003                      | 9.5                   | 211                      | 14                  |
| Government   | 2,091                      | 6.0                   | 349                      | 6                   | 1,738                      | 5.5                   | 316                      | 7                   |
| History      | 4,313                      | 10.75                 | 401                      | 3                   | 3,994                      | 10.5                  | 380                      | 2                   |
| Journalism   | 342                        | 2.0                   | 171                      | 17                  | 241                        | 2.0                   | 120                      | 17                  |
| Mathematics  | 8,076                      | 21.5                  | 376                      | 4                   | 6,447                      | 18.5                  | 349                      | 5                   |
| Med. Lang.   | 4,512                      | 17.25                 | 262                      | 12                  | 3,449                      | 16.25                 | 212                      | 13                  |
| Philosophy   | 1,034                      | 3.0                   | 345                      | 7                   | 1,160                      | 3.25                  | 357                      | 3                   |
| Physics      | 2,111                      | 10.25                 | 206                      | 15                  | 2,058                      | 10.0                  | 206                      | 15                  |
| Psychology   | 3,000                      | 8.5                   | 353                      | 5                   | 2,959                      | 8.5                   | 348                      | 6                   |
| Sociology    | 870                        | 3.5                   | 249                      | 13                  | 885                        | 3.5                   | 253                      | 12                  |
| Speech       | 1,114                      | 6.0                   | 186                      | 16                  | 1,032                      | 5.25                  | 197                      | 16                  |
| TOTALS       | 50,999                     | 167.75                | 304                      |                     | 44,687                     | 154.5                 | 289                      |                     |

NOTE: The figures used in this table are for campus courses only. They do not include any courses taught at Los Alamos or Holloman.

**COLLEGE OF ARTS AND SCIENCES**  
**STUDENT-CREDIT-HOURS AND ENROLLMENTS BY DEPARTMENTS**  
 (Semesters I-II, 1958-59, and Semesters I-II, 1957-58)

| DEPARTMENT    | STUDENT CREDIT HOURS |               |               |               | STUDENT ENROLLMENT |               |               |               |
|---------------|----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|
|               | 1958-1959            |               | 1957-1958     |               | 1958-1959          |               | 1957-1958     |               |
|               | Sem. II              | Sem. I        | Sem. II       | Sem. I        | Sem. II            | Sem. I        | Sem. II       | Sem. I        |
| English       | 7,616                | 8,979         | 7,197         | 8,452         | 2,537              | 2,996         | 2,396         | 2,816         |
| Mathematics*  | 6,657                | 8,214         | 7,136         | 8,274         | 2,174              | 2,490         | 2,315         | 2,471         |
| Biology       | 4,085                | 3,676         | 3,179         | 3,115         | 1,131              | 964           | 851           | 857           |
| History       | 3,994                | 4,513         | 3,425         | 3,739         | 1,332              | 1,477         | 1,139         | 1,273         |
| Mod. Lang.    | 3,449                | 4,512         | 3,238         | 3,747         | 1,173              | 1,523         | 1,116         | 1,278         |
| Chemistry*    | 3,162                | 3,984         | 3,466         | 3,886         | 960                | 1,189         | 1,015         | 999           |
| Psychology    | 2,959                | 3,000         | 2,913         | 2,915         | 987                | 1,005         | 973           | 977           |
| Physics*      | 2,151                | 2,359         | 2,220         | 2,247         | 810                | 844           | 681           | 768           |
| Geology       | 2,003                | 2,353         | 2,240         | 2,773         | 763                | 867           | 831           | 1,011         |
| Anthropology  | 1,812                | 2,258         | 1,789         | 1,723         | 607                | 755           | 602           | 579           |
| Government    | 1,739                | 2,091         | 1,822         | 1,698         | 580                | 696           | 605           | 566           |
| Economics     | 1,584                | 1,821         | 1,401         | 1,551         | 526                | 605           | 465           | 514           |
| Philosophy    | 1,160                | 1,034         | 988           | 952           | 387                | 349           | 332           | 321           |
| Speech        | 1,032                | 1,114         | 1,110         | 989           | 343                | 384           | 381           | 345           |
| Foreign Lang. | 895                  | 870           | 1,459         | 1,323         | 317                | 290           | 514           | 441           |
| German*       | 355                  | 443           | 354           | 493           | 183                | 155           | 119           | 167           |
| Journalism    | 241                  | 342           | 273           | 258           | 87                 | 137           | 91            | 86            |
| <b>TOTAL</b>  | <b>45,033</b>        | <b>51,326</b> | <b>44,219</b> | <b>48,137</b> | <b>14,699</b>      | <b>16,729</b> | <b>14,430</b> | <b>15,469</b> |

\*Includes all courses taught for residence credit at Los Alamos and Holloman by UNM faculty.

COLLEGE OF ARTS AND SCIENCES  
COMPARATIVE SUSPENSION AND PROBATION FIGURES

1957-1958

|                            | SEMESTER I |       | SEMESTER II |       | SUMMER '57 |       | T O T A L |       |
|----------------------------|------------|-------|-------------|-------|------------|-------|-----------|-------|
|                            | No.        | Pct.  | No.         | Pct.  | No.        | Pct.  | No.       | Pct.  |
| Enrollment                 | 856        | 100.0 | 793         | 100.0 | 203        | 100.0 | 1,854     | 100.0 |
| Probation                  | 103        | 12.0  | 73          | 9.2   | 17         | 8.3   | 193       | 10.4  |
| Suspended                  | 38         | 4.4   | 29          | 3.7   | 4          | 1.9   | 71        | 3.8   |
| Suspended to<br>Univ. Col. |            |       |             |       | 3          | 1.4   | 3         | 0.16  |
| Released<br>from Prob.     | 14         | 1.6   | 21          | 2.6   | 3          | 1.4   | 38        | 2.0   |

1958-1959

|                        | SEMESTER I |       | SEMESTER II |       | SUMMER '58 |       | T O T A L |       |
|------------------------|------------|-------|-------------|-------|------------|-------|-----------|-------|
|                        | No.        | Pct.  | No.         | Pct.  | No.        | Pct.  | No.       | Pct.  |
| Enrollment             | 831        | 100.0 | 771         | 100.0 | 214        | 100.0 | 1,816     | 100.0 |
| Probation              | 97         | 11.7  | 63          | 8.4   | 32         | 15.0  | 194       | 10.7  |
| Suspended              | 24         | 2.9   | 22          | 2.9   | 2          | 1.0   | 48        | 2.6   |
| Released<br>from Prob. | 18         | 2.2   | 26          | 3.4   | 4          | 1.9   | 48        | 2.6   |



## COLLEGE OF ARTS AND SCIENCES

NUMBER OF MAJORS AND MINORS BY DEPARTMENTS OR FIELDS  
GRADUATING CLASSES OF JUNE 1955 and JUNE 1958

| Department               | June, 1955 |            |            | June, 1958 |            |            |
|--------------------------|------------|------------|------------|------------|------------|------------|
|                          | Major      | Minor      | Total      | Major      | Minor      | Total      |
| Anthropology             | 9          | 5          | 14         | 10         | 5          | 15         |
| Biology                  | 20         | 10         | 30         | 26         | 11         | 37         |
| Chemistry                | 6          | 14         | 20         | 7          | 14         | 21         |
| Economics                | 3          | 3          | 6          | 2          | 3          | 5          |
| English                  | 27         | 38         | 65         | 13         | 35         | 48         |
| Geography                | ---        | 2          | 2          | ---        | 1          | 1          |
| Geology                  | 34         | 3          | 37         | 37         | 1          | 38         |
| Government               | 9          | 9          | 18         | 13         | 3          | 16         |
| History                  | 10         | 11         | 21         | 11         | 9          | 20         |
| Inter-American Affairs   | 11         | ---        | 11         | 8          | ---        | 8          |
| Journalism               | 6          | 1          | 7          | 7          | 1          | 8          |
| Mathematics              | 16         | 7          | 23         | 10         | 8          | 18         |
| Modern Languages         | 7          | 9          | 16         | 12         | 21         | 34         |
| Philosophy               | 5          | 4          | 9          | 1          | 4          | 5          |
| Physics                  | 4          | 3          | 8          | 4          | 3          | 7          |
| Psychology               | 10         | 16         | 35         | 14         | 13         | 27         |
| Sociology                | 9          | 7          | 16         | 4          | 7          | 11         |
| Social Work              | 1          | ---        | 1          | 1          | ---        | 1          |
| Speech                   | 3          | 1          | 4          | 3          | 0          | 3          |
| Life Sciences*           | ---        | 4          | 4          | ---        | 3          | 3          |
| Art**                    | ---        | 0          | 0          | ---        | 4          | 4          |
| Business Administration* | ---        | 2          | 2          | ---        | 2          | 2          |
| Education**              | 0          | ---        | 0          | 1          | ---        | 1          |
| Engineering*             | ---        | 23         | 23         | ---        | 24         | 24         |
| Home Economics**         | 3          | 0          | 3          | 1          | 1          | 2          |
| Music*                   | ---        | 0          | 0          | ---        | 2          | 2          |
| Natural Sciences*        | ---        | 8          | 8          | ---        | 6          | 6          |
| <b>Total</b>             | <b>203</b> | <b>180</b> | <b>383</b> | <b>186</b> | <b>181</b> | <b>367</b> |

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

\*\* 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.

The Report of the Department of Anthropology  
July 1, 1958 - June 30, 1959  
Stanley Newman, Acting Chairman

1. Significant achievements during the academic year, 1958-59.

The Anthropology Department continued its undergraduate and graduate programs as revised five years ago. During the year ten students received A.B. degrees.

In addition to its regular program the Department held its annual Field Session. The 28th Field Session combined archaeological and ethno-historical research; excavations were made in the old San Juan Pueblo of Yuqueyunque, which in 1598 became San Gabriel, first capital of New Mexico; and ethnohistorical traditions concerning the period of early Spanish were collected. This field work, done in cooperation with the Indians of San Juan Pueblo, was under the direction of Dr. Florence Ellis.

Volume 15 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 one thousand and eighty-three subscribers and an international distribution. Details concerning the Journal are contained in a separate report.

2. Significant plans and recommendations for the near future.

All members of the Department of Anthropology have been involved in planning the details for remodeling the old SUB, where the Department will move next year. Although Dr. Hill has been officially on sabbatical leave, he has coordinated the planning efforts during the second semester of 1958-59, because he was familiar with the earlier stages of planning

carried on in collaboration with Buildings and Grounds. The staff is looking forward to the more spacious quarters and the more efficient facilities that the Department will have in the remodeled SUB.

The Department is making significant strides in expanding its Latin-American offerings, thus participating in a University-wide trend. During the spring semester of 1958-59 Dr. Eugene Hammel, the new member of our Department (see 3, below), taught Anthropology 102 -- Perspectives of Anthropology, selecting ethnographic material from South America to illustrate cultural processes. He will offer Anthropology 186 -- American Archaeology: South America in the fall semester of 1959-60. Other courses dealing with the anthropology of Latin America have been given with increasing frequency during the past two years, because of the heavy enrollments in these classes. The Department is now concentrating on enlarging its collection of teaching materials, such as slides and artifacts, and on expanding its library holdings in Latin-American anthropology. While he is teaching at the University of California this summer, Dr. Hammel will prepare slides and try to obtain other teaching material, particularly on Peru and California, from the extensive collection at Berkeley.

The Department is beginning to develop its teaching facilities, particularly in library material, on the anthropology of Europe and Asia. For several years we have not been able to offer the course on Races and Cultures of Europe and Asia, which had been taught by the late Dr. Paul Reiter. Approval has been granted to divide this course into two, one on Europe, to be offered by Dr. Hammel, and the other on Asia, to be given by Dr. Basehart. This division provides a more reasonable anthropological treatment of the area, and it ensures the student of a more even coverage of the important regions of the world.

3. Dr. Eugene Alfred Hammel was appointed Assistant Professor of Anthropology, effective February 1, 1959. He has been reappointed to the same position from July 1, 1959 to June 30, 1960.

5. Publications.

(a) Books and monographs.

BASEHART, HARRY W. Chiricahua Apache Subsistence and Socio-Political Organization (Mimeographed, Report of Mescalero-Chiricahua Land Claims Project, Contract Research #290-154, March 1959), 5 maps, 112 p.

(b) Articles.

ELLIS, FLORENCE HAWLEY. "Anthropological Research in New Mexico," New Mexico Quarterly, Vol. XXVII, #4, Winter, 1957-58.

"The Woman's Page: Laguna Pueblo," El Palacio, Vol. 66, #1, Feb. 1959.

HIBBEN, FRANK C. "Anthropological Progress in the State," New Mexico Quarterly, Vol. XXVII, #4, Winter, 1957-58.

"Excavations of a Site of the Sandia Culture near Lucy, New Mexico," American Philosophical Society, Yearbook 1958, pp. 376-379, (Philadelphia: The American Philosophical Society, 1959).

(c) Reviews.

NEWMAN, Stanley. Review of Joseph H. Greenberg, "Essays in Linguistics," Romance Philology, 12 (February 1959), 283-86.

6. Completed research projects.

Dr. Basehart completed a study of the Chiricahua Apache, conducted under the Mescalero-Chiricahua Land Claims Project; and he carried on field research for three weeks in the summer of 1958 at the Mescalero Apache Reservation. He also did library research to complete two papers: one was "Social Organization," a review of the literature on social anthropology for the years 1955-57, to be published in Biennial Review of Anthropology; the other, a revision and expansion of an earlier paper, was "Ashanti Kinship

and Social Structure," to be published in a volume edited by K. G. Aberle.

Dr. Ellis has finished a report, "The Distribution of Prehistoric and Historic Laguna Sites," for the land claims case of the Laguna Indians. She has also completed three manuscripts dealing primarily with the social organization of three Pueblo groups: "Laguna Pueblo History and Social Organization," "The Social and Ceremonial Organization of Jemez Pueblo," and "Social Organization of Zia Pueblo,"

During his sabbatical leave (semester II, 1958-59) Dr. Hibben carried on archaeological excavations at several sites on the Blue and White Nile. This work was done at the request of the Sudanese government.

In collaboration with Dr. Howard MacLay (University of Illinois), Dr. Newman completed the revision of a research report, "Two Variables Affecting the Message in Communication," for publication by the Air Force Office of Scientific Research.

#### 7. Outside-sponsored research.

Dr. Harry Basehart is participating in the following three projects:

a) The Apache tribe of the Mescalero Reservation is sponsoring his study to complete the research on Mescalero-Chiricahua land claims. A supplement of \$3,900 has been allocated by contract amendment to pay for the completion of this study during the summer of 1959.

b) The Jicarilla Apache tribe is sponsoring his research in applied anthropology among the Jicarilla. This project began in October, 1958 and will continue for a three-year period, if mutually agreeable. The sum of \$29,000 as a maximum for the three years has been granted.

c) The Public Health Service, National Institute of Health, is sponsoring his anthropological research in a collaborative study on anthropo-psychoanalytic techniques, to be conducted among the Mescalero Apache. The

project began April 1, 1959. A grant of \$130,000 was made, covering sixteen months of field work and three summers thereafter for writing the report.

Dr. Florence Ellis has conducted research on land claims cases, one sponsored by the Acoma and the other by the Laguna. Both of these projects have been on a consultant basis.

Dr. Frank Hibben has carried on a research project for the Jicarilla Apache claims case, sponsored by the Jicarilla tribe on a consultant basis.

#### 8. Other professional activities.

Dr. Basehart cooperated with the law enforcement authorities in the identification of skeletal material. The National Science Foundation requested him to review and analyze six proposals, which had been submitted to NSF, for research in anthropology. For the University he was a freshman adviser, co-sponsor (semester I) and sponsor of the Kiva Club, and served on numerous committees - the Policy Committee, Library Committee, Advancement Committee (A and S), Graduation Requirements Committee (A and S), and Scholarship Committee (A and S).

Dr. Ellis gave lectures to the American Friends Service Committee, the Albuquerque branch of the American Association of University Women, and the Jefferson Club at the Unitarian Church. In University activities she served as freshman adviser, sponsor of the Anthropology Club, and member of the Scholarship and Prizes Committee.

In spite of the fact that Dr. Hammel began his first teaching position on his appointment in February, 1959, he found time to cooperate with the police authorities of Belen in excavating and identifying human skeletal material. He also gave two papers during the spring semester, one in April at the Sixth Regional Conference (held at the University) of the Rocky

Mountain Council for Latin American Studies, and the other in May at the initiation banquet of the Phi Sigma fraternity.

Among his activities in Africa during his sabbatical leave (semester II, 1958-59), Dr. Hibben gave a series of lectures on American archaeology at the University of Sudan.

Dr. Hill, Chairman of the Department of Anthropology, served on two state organizations: he was a member of the New Mexico Indian Commission and a member of the executive board of the Laboratory of Anthropology. He attended a two-day meeting which brought together the chairmen of twenty-five departments of anthropology offering the doctorate; this conference was called to discuss problems of the graduate curriculum and the degree standards among the major anthropology departments throughout the country. In semester I (he was on sabbatical leave beginning February, 1959) Dr. Hill served as co-sponsor of the Kiva Club and as member of the Publications Committee and the Policy Committee.

Dr. Newman gave a paper at the Conference on a Coordinated Program of Bilingual Missions, held in Albuquerque during the early part of April. During the second semester, when Dr. Hill was on sabbatical leave, Dr. Newman served as acting chairman of the Department. He was freshman adviser (for Indian students in University College) and Fulbright adviser for the University. He served as chairman (semester I) and member (semester II) of the University Research Committee.

#### 9. Activities in learned and professional societies.

Dr. Hibben served as chairman of the Pecos Conference, held at the University of New Mexico in August 1958. In November Dr. Hill went to

Washington, D. C. to attend the annual meetings of the American Anthropological Association; there he was chairman of the session on Caribbean Ethnology. Dr. Newman served on the executive committee of the New Mexico Chapter, Society of the Sigma Xi.

#### 11. Gifts.

The largest single gift, conservatively estimated to have a value of \$4,000, is a collection donated to the Department by Dr. Frank Hibben. Consisting for the most part of Mound Builder artifacts, this collection of antiquities from the eastern United States contains about 4,000 pieces, including a number of very fine pipes, amulets, panel stones, boat stones, plummets, discoidals, copper pieces, casts, pestles, and ceremonial chipped pieces.

Byron Harvey III of Albuquerque gave the Department a shell adze from New Hebrides.

Frank Angel, College of Education, presented us with a doll from Wallis Island.

Elizabeth Elder, from the Personnel Office, donated several Laguna prayer sticks.

Three Peruvian skulls and two hundred and seventy-five books and pamphlets were received from Major Rhodes Arnold, Albuquerque.

Through the good offices of Dr. Sherman Wengerd, Department of Geology, a number of anthropological reports were acquired from the Mather Library.



The Report of the Department of Biology  
July 1, 1958 - June 30, 1959  
Loren D. Potter, Chairman

1. Significant achievements during the academic year, 1958-59.

The departmental vital statistics show an increase of 22.7% in student enrollment and 23.3% in student credit hours over that of 1957-58.

It is felt that the addition of one botanist and the replacement of another with the offering of plant physiology and mycology has been beneficial in increasing the student interest in botany.

Several changes in the classroom and laboratory facilities have been made. The herbarium has been moved to the basement and new lights installed; the previous herbarium is now equipped for plant morphology, plant anatomy, ecology, and mycology; a laboratory has been equipped for plant physiology and with facilities, e.g., stainless steel bench tops, suitable for use in radiation biology; a basement room has been equipped with sink, tables, and storage facilities for use in comparative vertebrate anatomy and certain mammalogy courses. Slight progress has been made in providing adequate supplies and equipment in critical areas such as bacteriology.

Beneficial cooperation has been established with the U. S. Forest Service Research Station located on campus. They have offered transportation for certain proposed research plans, they are cooperating with a graduate student working on a tissue culture and pathology problem on Gymnosperms, and they are providing summer employment for several biology majors.

The National Park Service has made available a research assistantship to Mr. Richard B. Forbes to study the mammal material in conjunction with the Navajo Dam project.

Cooperation with mutual benefit continues with the New Mexico Department of Game and Fish.

The mammal collection, which was moved from the second floor to the basement last summer, is suffering growing pains for lack of storage space, its growth being due to the stimulus of Dr. J. S. Findley's direction and a National Science Foundation grant on mammal distribution in the state. Improvements in the herbarium include a complete listing of plant records for New Mexico, progress on the preparation of distributional maps of all specimens in the herbarium, and the bringing up to date of a card index file of herbarium specimens.

Through the efforts of Dr. M. W. Fleck, the A.E.C. has renewed the Radiation Biology Summer Institute program.

Dr. W. J. Koster has completed the study on the recreational value of water in New Mexico, the University Press has published Dr. C.C. Hoff's work on "Pseudoscorpions of New Mexico," and the University of Chicago Press has published Dr. H. J. Dittmer's revision of Merle C. Coulter's text, "The Story of the Plant Kingdom."

Mrs. Jean K. Lauber completed the requirements for her doctorate degree in physiology and four master's degree candidates will complete work for their degree this year.

2. Significant plans and recommendations for the near future.

Permanent seats are needed in the large lecture room, Biology 100. With increased use of visual projection equipment, more adequate shades are needed in the lecture room.

With the increase in enrollment and number of sections, there now is pressure for lecture classrooms. The final space available in the building, B04, could be used as soon as it is equipped for a 75-seat lecture room. This will require seating, demonstration desk, dark shades, projection screen, lights, and decorating. The area in the basement now used for storage by Building and Grounds will have to be made available for a storage room for the department to use instead of B04.

There is an increasing tendency for research grants to

include funds for a graduate research assistant. This results in increasing the amount of overhead received by the University with little or no extra cost. It also is a means of attracting more graduate students, thus building up the Graduate School. A large amount of permanent equipment has been added to the University inventory through grants obtained by the efforts of faculty doing research. However, the additional research and advising responsibilities on the faculty are time-consuming and in the long run the University cannot profit unless adjustments are made on teaching loads to those faculty members who are carrying the burden of research grant programs. It should also be realized that expanded research and teaching programs increase the faculty work load in matters such as curating the museum and the herbarium. And, as they increase in significance the demands for identification service, required of the University as a matter of public relations, becomes more time-consuming. There are gains to the University from this service, but time must be made available. The double pressure of a 23% increase in enrollment and an increasingly active research program surely warrant an increase in staff.

It is also apparent that large increases in enrollment in laboratory courses correspondingly increase the cost of supplies and to some extent laboratory equipment. Meanwhile,

the cost of chemicals and scientific equipment has inflated even more than enrollments. A local biological supplier estimates a 20-25% increase in the cost of laboratory equipment in the last year and a half. Both enrollment and inflated costs must be considered in present and future budgets.

### 3. Appointments to Staff.

Funds for an additional 1-1/3 graduate assistants were provided for Semester II to aid in meeting the increased enrollment.

Dr. Marvin Leroy Riedesel from the University of Pittsburgh has been appointed as assistant professor of animal physiology to begin duties in September, 1959.

### 4. Separations from Staff.

Dr. W. J. Eversole resigned to accept a position with Abbott Laboratories at North Chicago, Illinois, June 30, 1959.

### 5. Publications.

#### (a) Books and monographs.

DITTMER, HOWARD J. Revision of Coulter's - The Story of the Plant Kingdom. Chicago: University of Chicago Press, 1959. 326 pp.

HOFF, C. CLAYTON. The Ecology and Distribution of the Pseudoscorpions of North-Central New Mexico. Albuquerque: University of New Mexico Publications in Biology, No. 8, 1959. 68 pp.

RYPKA, EUGENE W. Laboratory Exercises for Biology 93L, General Bacteriology. Albuquerque: Mimeographed by Biology Department, 1959. 78 pp.

## (b) Articles.

DITTMER, HOWARD J. "A method to determine the length of individual roots." Bull. Torr. Bot. Club, (Jan.-Feb. 1959), 59-61.

\_\_\_\_\_. "A study of the root systems of certain sand dune plants in New Mexico." Ecology, 40(2) (April 1959), 265-273.

\_\_\_\_\_. "A study of the external surface of Opuntia imbricata." Southwestern Naturalist, (in press, supposed to be out in 1959).

EVERSOLE, W. J. "The role of the adrenal cortex in azo dye carcinogenesis." Lavori Dell'Istituto Di Anatomia E Istologia patologica Della Universita Degli Studi Di Perugia, XVIII (1958), 25-36.

\_\_\_\_\_. and B. E. ROMERO. "Effects of 11-oxy corticoids on renal excretion of water and electrolytes in force-fed intact rats." Exper. Biol. & Med., 99 (1958), 282-285.

DAVANZO, JOHN P. AND W. J. EVERSOLE. "The effects of adrenalectomy and deoxycorticosterones on liver enzymes and protein in rats fed 3'-methyl-4-dimethyl-aminoazobenzene." Cancer Research, 18 (1958), 796-801.

LAUBER, J. K., W. J. EVERSOLE, AND W. A. CHILDS. "The use of the toad for bioassay of mammalian anti-diuretic hormone (Vasopressin)." Endocrinology, 64 (1959), 316-318.

FINDLEY, JAMES S. "The Bailey pocket mouse in New Mexico." Jour. Mamm., 40 (1959) 145.

\_\_\_\_\_. "Field Biology in New Mexico." N. M. Quarterly, 27 (1958), 362-365.

FLECK, M. W. Wrote historical section of North American Big Game Records. Published by Henry Holt and Co., (1958).

\_\_\_\_\_. Wrote section captioned "Concepts of Televised Instruction" in book College Teaching by Television, published by American Council on Education, (1958).

POTTER, LOREN D. "Increment boring containers." Ecology, 40(1) (Jan. 1959), 148.

(c) Reviews.

DITTMER, HOWARD J. Ten reviews written for  
Biological Abstracts from the American Scientist.

6. Completed research projects.

(a) Dittmer, Howard J.

1. Sponsor: National Science Foundation, Grant No. G-3415, April 1, 1959.
2. Title of Project: Study of roots and root hairs of arid and semi-arid plants.

(b) Potter, Loren D.

1. Sponsor: National Science Foundation, Grant No. G-3828, August 30, 1958.
2. Title of Project: Analysis of seasonal pollen rain and its correlation to present vegetation.

(c) Koster, W. J.

1. Sponsor: Resources for the Future grant to Professor Nathaniel Wollman.
2. Title: The need and value of outdoor water-related recreational facilities.

7. Outside sponsored research.

(a) Dittmer, Howard J.

1. Sponsor: National Science Foundation Grant No. G-7455
2. Amount: \$9,500 (15% of amount for overhead)
3. Time: June 1, 1959 to June 1, 1961
4. Title of Project: Root systems of desert and semi-arid plants.

(b) Findley, James S.

1. Sponsor: National Science Foundation Grant No. G-3219
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.

(c) Hoff, C. Clayton

1. Sponsor: National Science Foundation Grant No. G-5283
2. Amount: \$4,400 (15% of amount for overhead)
3. Time: April 18, 1958 to April 18, 1960
4. Title of Project: A systematic and ecological survey of the pseudoscorpions of the central and northern Rocky Mountain region (Colorado, Wyoming, and Montana and adjacent areas of Idaho, Utah, and South Dakota).

(d) Potter, Loren D.

1. Sponsor: North Dakota Institute for Regional Studies
2. Amount: \$680
3. Time: Summer, 1958
4. Title of Project: An evaluation of the original vegetation of the Turtle Mountains and its relation to the present second-growth forest stands.

(e) Potter, Loren D.

1. Sponsor: North Dakota Institute for Regional Studies
2. Amount: \$549
3. Time: Summer, 1958
4. Title of Project: An ecological study of pine in North Dakota.

8. Other professional activities.

Dittmer, H. J.: Continued research on orchids, with Mrs. Margaret W. O'Neill as Research Associate; the effect of PAX on crabgrass; and tomato varieties for winter growth in greenhouses.

Eversole, W. J.: Continuation of cancer research.

Findley, J. S.: Research on New Mexico mammals; examination of Easter Island mammal remains from archeological sites; review of two bat species; study of a salamander species; a study of yellow-nosed cotton rat; and talks to numerous groups on natural history.



Fleck, M. W.: Director of Summer Science Institute in Radiation Biology (A.E.C. and N.S.F.); chairman of N.S.F. committee on evaluating grant requests; chairman at four meetings of A.E.C. and N.S.F. personnel in regard to Science Institutes; member of committee of Bureau of Standards to design Institute equipment; Vice-Pres. Board of Trustees of Bernalillo County-Indian Hospital; member Board of Directors Bernalillo Co. Chapter American Red Cross; member Board of Directors of Blue Cross; member Health Advisory Committee, City of Albuquerque; official measurer of trophies for American Museum of Natural History; numerous commencement addresses; and many public addresses.

Hoff, C. C.: Talk on "Habits of larval mosquitoes" for the U. S. Public Health vector control course; reviewer of N.S.F. grant proposals in Environmental Biology and Geology; judge of High School Science Fair; editor of Publications in Biology, U.N.M. Publications.

Koster, W. J.: Completed an 80 page manuscript on "The need and value of outdoor water-related recreational facilities" for the Resources for the Future.

Martin, W. C.: Research work on species boundaries and relationships in Helianthus; Organized Research grant for collection of New Mexico plants.

Potter, L. D.: Member of Research Advisory Council for the Rocky Mountain Forest and Range Experiment Station; participation in High School Career Day program; consultation with the Wichita Foundation on the use of native vegetation in the restoration of Fort Burgwin, New Mexico.

Rypka, E. W.: Research on the influence of the concentration of iron on the depth of growth of bacteria in semi-solid media; continued research on the influence of oxygen tension on the catalase activity of bacteria; research on the electrophoretic serum patterns of members of the genus Citellus.

## 9. Activities in learned and professional societies.

Dittmer, H. J.: Paper given on "Root system of desert plants," AIBS meeting, Bloomington, Indiana, August, 1958. Papers given at S.W. Div. AAAS meeting, Laramie, Wyoming, May, 1959 on "The presence of root hairs on certain xerophytic plants" and "Sample formula for calculating the length of individual roots."

Eversole, W. J.: Council member of N.M. Soc. for Biology and Medical Research. Papers read to Perugia Academy in Italy and to U.N.M. Chapter of Sigma Xi.

Findley, J. S.: Paper given at national meeting of Amer. Soc. of Mammalogists, June, 1958 on "Color variation in New Mexican red squirrels". Paper given at Colo.-Wyo. Acad. of Science on "Zoogeography." Member of Literature Committee, Amer. Soc. of Mammalogists; faculty advisor for Phi Sigma Biological Society.

Fleck, M. W.: Chairman of Publicity Committee of N. M. Soc. for Biology and Medical Research.

Hoff, C. C.: Secretary of Zoological Section, S.W. Div. AAAS and member of Executive Committee; Chairman of Historical Committee of N.M. Acad. of Science; member of Program Committee, N.M. Acad. of Science.

Koster, W. J.: Secretary-Treasurer of N.M. Acad. of Science; member of Council of AAAS; Vice-Pres. of N.M. Chapter of Phi Kappa Phi.

Martin, W. C.: Paper given at N.M. Acad. of Science meeting on "Species relationships in the genus *Helianthus*" Oct., 1958; talk to the Rose Society on the "Anatomy and Physiology of the Rose"; paper given at the S.W. Div. AAAS meeting, Laramie, Wyoming May, 1959 on "Some factors involved in variation in *Helianthus angustifolius*"; talk to Phi Sigma Biological Society.

Potter, L. D.: Member of Committee on Student Affairs at national meeting of Amer. Soc. of Range Management; paper given on "Frost patterns and playa cracks", N.M. Acad. of Science, Oct., 1958; paper

given on "The effect of fire on a deciduous woods"  
S.W. Div. AAAS meeting, Laramie, Wyoming, May, 1959;  
elected Treasurer of N.M. Chapter of Sigma Xi,  
April, 1959.

Rypka, E. W.: Member of Nominating Committee of Sigma  
Xi.

10. Important study and travel.

Eversole, W. J.: Completed his sabbatical leave on a  
Guggenheim Fellowship on cancer research in Italy.

11. Gifts.

The chairman of the Student Campus Chest Fund informed  
us that the Biology Department would receive 10% of their  
fund for the Richard B. Johnson Memorial Fund for bacteri-  
ology equipment.

The Report of the Department of Chemistry  
July 1, 1958 - June 30, 1959  
J. L. Riebsomer, Chairman

1. Significant Achievements During the Academic Year, 1958-59.

a. Undergraduate Program

We renewed the practice of holding a departmental "Open House" after failing to do so last year. This event attracted more than two thousand visitors.

We have continued to offer special encouragement to the undergraduate students. Six informal meetings were held during the year to which all undergraduate majors were invited. The meetings gave these younger students an opportunity to become acquainted with all the staff members and an opportunity to learn about several broad and general aspects of the field of chemistry. As soon as the undergraduates have time, sufficient training and interest, they are being invited to take part in various research projects which are in progress. They may or may not receive credit or remuneration for their work, depending upon conditions, but they certainly learn a great deal and develop real confidence and understanding in this process.

b. Graduate Program

The department has had three post-doctoral fellows during the past year. Two of these fellows were under the direction of Dr. Raymond N. Castle and one under Dr. Guido H. Daub.

The National Institutes of Health made a sizeable grant to the department so that 1800 square feet of new basement laboratory space is nearing completion. The obtaining of this grant was due to the efforts

of Dr. Raymond N. Castle. This new laboratory space will relieve temporarily the pressure for research spaces and is accordingly an important contribution to the graduate program.

2. Significant Plans and Recommendations for the Near Future.

The University has not yet found it possible to offer biochemistry in the chemistry department. Repeated reference has been made to this problem in previous annual reports.

We had hoped to obtain an inorganic chemist this year to replace Dr. Sattle, who in effect left the department three years ago. Every effort shall be made to correct this situation by September 1960.

While various research grants have supplied us with certain urgently needed capital equipment, this still remains one of our most difficult problems.

3. Appointments to Staff.

None

4. Separations from Staff.

None

5. Publications.

CASTLE, RAYMOND N.

(a) Books.

None

(b) Articles.

1. Castle, Raymond N. "Synthesis of Imidazo[4,5-d]pyridazines. I. Synthesis of 4,7-Disubstituted Derivatives," J. Org. Chem., **23**, 534 (1958).

2. Castle, Raymond N. (coauthor). "Cinnoline Chemistry. IV. Infrared Spectra," J. Am. Pharm. Soc., Sci. Ed., 48, 135 (1959).

3. Castle, Raymond N., Kahn, M., and Riebsomer, J. L. "The Exchange Reaction between Substituted Benzyl Iodides and Potassium Iodide. X. m-Chlorobenzyl Iodide," Atomic Energy Commission LA-2160UNM.

CROSBY, GLENN A.

(a) Books.

None

(b) Articles.

None

DAUB, GUIDO H.

(a) Books.

1. Daub, Guido H., Riebsomer, J. L., and Searcy, Victor V. Introductory Qualitative Analysis. Albuquerque: New Mexico Publishing Company, 1958. 152 p.

(b) Articles.

1. Daub, Guido H. and Adelfang, Jules L. "9,10-Dimethyl-3,4-benzpyrene," J. Org. Chem., 23, 749 (1958).

2. Daub, Guido H. and Doyle, William C. "The Synthesis of 1-Methyl-3,4-benzpyrene and 1,8-Dimethyl-3,4-benzpyrene," J. Am. Chem. Soc., 80, 5252 (1958).

3. Daub, Guido H. and Comp, Joseph L. "The Synthesis of 7-Methyl-, 10-Methyl-, 6,7-Dimethyl- and 7,10-Dimethyl-3,4-benzpyrenes," J. Am. Chem. Soc., 80, 6049 (1958).

KAHN, MILTON

(a) Books.

None

(b) Articles.

1. Kahn, M. and Neill, W. J. "The Exchange of Chlorine between Hydrogen Chloride and Acetyl Chloride in the Vapor Phase," J. Am. Chem. Soc., 80, 2111-12 (1958).

2. Kahn, M., Riebsomer, J. L., and Castle, Raymond N. "The Exchange Reaction between Substituted Benzyl Iodides and Potassium Iodide. X. m-Chlorobenzyl Iodide," Atomic Energy Commission LA-2160UNM.

MARTIN, ERNEST L.

(a) Books.

None

(b) Articles.

None

RIEBSOMER, J. L.

(a) Books.

1. Riebsomer, J. L., Searcy, Victor V., and Daub, Guido H. Introductory Qualitative Analysis. Albuquerque: New Mexico Publishing Company, 1958. 152 p.

2. Riebsomer, J. L. Chemistry as a Profession. Cambridge, Massachusetts: The Bellman Publishing Company, 1959. 20 p.

(b) Articles.

1. Riebsomer, J. L., Castle, Raymond N., and Kahn, M. "The Exchange Reaction between Substituted Benzyl Iodides and Potassium Iodide. X. m-Chlorobenzyl Iodide," Atomic Energy Commission LA-2160UNM.

SEARCY, VICTOR V.

(a) Books.

1. Searcy, Victor V., Daub, Guido H., and Riebsomer, J. L. Introductory Qualitative Analysis. Albuquerque: New Mexico Publishing Company, 1958. 152 p.

(b) Articles.

None

6. Completed Research Projects.

CASTLE, RAYMOND N.

1. Castle, Raymond N. Synthesis of Some 2-(3-Indolylothenyl)- and 2-(2-Pyrrylothenyl)-pyridines and Hydrogenated Analogs. (Accepted for publication).

2. Other completed but unpublished research are one paper on Indole Chemistry, five papers on Cinnoline Chemistry, one paper on oxazole Chemistry, Exchange Reactions between Substituted Benzyl Iodides and Potassium Iodide, one paper on Benzoic Acid Amides, and one paper on Pyridylimidazolines. These all will be coauthored with graduate students, post-doctoral fellows, or with other staff members.

CROSBY, GLENN A.

1. Vibrational Spectra and Structure of Complex Ions in the Solid State.

2. Frequency Assignments and Force Constant Determination for  $\text{Ni}(\text{CN})_4^-$  Ion.

DAUB, GUIDO H.

1. Daub, Guido H., Barnett, Martin D., Hayes, F. Newton, and Ott, Donald G. "Liquid Scintillators VI. Some 2-Aryl- and 2,7-Diaryl-fluorenes. (Accepted for publication).

2. Daub, Guido H., Barnett, Martin D., Hayes, F. Newton, and Ott, Donald G. Liquid Scintillators. Some Fluorenyl Substituted Oxazoles.

3. Daub, Guido H., Birkeland, Stephen P., Hayes, F. Newton, and Ott, Donald G. Liquid Scintillators. Synthesis of Some Aryl Substituted Phenanthrenes and Dihydrophenanthrenes, and Related *p*-Quaterphenyls and *p*-Terphenyls.

4. Daub, Guido H., Birkeland, Stephen P., Hayes, F. Newton, and Ott, Donald G. Liquid Scintillators. Some Aryl Substituted Phenanthrenes and Dihydrophenanthrenes, and Related *p*-Quaterphenyls and *p*-Terphenyls as Liquid Scintillators. Determination of Kallmann Equation Parameters.

5. Daub, Guido H., Hayes, F. Newton, Davis, Donald L., Davis, J. Donald, and Perkins, W. George. Liquid Scintillators. Some Naphthalene Derivatives.

KAHN, MILTON

1. Kahn, M. and Lawson, K. L. "Some Observations on the Adsorption of Carrier-free Indium from Aqueous Solutions." (Accepted for publication).

2. Kahn, M. and Morimoto, E. M. "A Simple Method for the Preparation of Carrier-free Lead-212 (Thorium-B)." (Accepted for publication).

3. Kahn, M. and Leary, J. A. "Isotopic Exchange between Potassium Iodide and Benzyl Iodides. Solvent Effects." (Accepted for publication).



4. Kahn, M., Benz, R., and Leary, J. A. "Phase Equilibria of the Binary System  $\text{PoCl}_3\text{-KCl}$ ." (Submitted for publication).
5. Kahn, M., Sattizahn, J. E., Jr., and Knight, J. D. "A Radiochemical Investigation of Short-Lived Selenium and Bromine Fission Products." (Submitted for publication).
6. Exchange Reactions between Substituted Benzyl Iodides and Potassium Iodide.

MARTIN, ERNEST L.

1. A Spectrophotometric Study of Vanadium(II), (III) and (IV) Solutions.
2. A Closed System for Use in Titration with Strong Reducing Solutions.

RIEBSOMER, J. L.

1. Synthesis of a series of 1,2,3-4H-Triazoles.
2. Exchange Reactions between Substituted Benzyl Iodides and Potassium Iodide.

7. Outside Sponsored Research.

GASTLE, RAYMOND N.

1. Smith, Kline & French Post-doctoral grant for \$7,500.
2. National Institutes of Health grant CY2653 for \$11,615.
3. National Institutes of Health grant CY4327 for \$8,510.
4. National Institutes of Health grant for new research laboratory and equipment for \$21,238.

CROSBY, GLENN A.

1. Sandia Corporation - Intramolecular Energy Transfer for one year was \$19,000.
2. Research Corporation - Electronic Spectroscopy grant for \$6,400.

DAUB, GUIDO H.

1. Scintillator research supported by SC-5 (Los Alamos) for approximately \$3,700.

KAHN, MILTON

1. Los Alamos - SC-5 for approximately \$20,000.

2. Sandia Corporation

a. Acct. #290-215 - Chemistry of Carrier-free Tracers, February 1959-February 1960 for \$9,985.45.

b. Acct. #290-194 - Study of phase diagrams of mixtures of alkali halides and chromate salts, September 1958-June 1959 for \$2,000.

8. Other Professional Activities.

CASTLE, RAYMOND N.

1. Attended National American Chemical Society Meeting in Chicago, September 1958.

2. Attended National American Chemical Society Meeting in Boston, April 1959.

3. Attended Organic Symposium of the American Chemical Society, Seattle, June 1959.

4. Attended Annual American Association of Basic Science Boards Meeting in Chicago, February 1959.

5. Vice President, New Mexico Chapter of Sigma Xi.

6. Counselor, Central New Mexico Section, American Chemical Society.

7. Served as referee for one paper for the Journal of the American Chemical Society and as referee for three papers for the Journal of Organic Chemistry.

8. Presented papers on "Synthesis of Oxazoles" and "Synthesis of Compounds Related to Lysergic Acid" at New Mexico Academy of Science, October 1958.

9. Served as a member of the New Mexico Basic Science Board.

CROSBY, GLENN A.

1. Attended Molecular Spectroscopy Symposium in Columbus, Ohio, June 1959

2. Judged State Science Fair and science fairs at Sandia High School and Highland School, Spring 1959.

DAUB, GUIDO H.

1. Attended meeting of editors of "Organic Reactions" in Chicago by invitation, September 1958.

2. Participated in "Career Day" at Los Alamos High School.

3. Gave chemistry lecture to Third Grade at Inez School.
4. Consultant for Sandia Corporation.
5. Refereed several papers for the Journal of the American Chemical Society and the Journal Organic Chemistry.
6. Member of AAAS, Sigma Xi, Phi Kappa Phi, Phi Lambda Upsilon.
7. Advisor for New Mexico Section of American Chemical Society.

KAHN, MILTON

1. Program committee for New Mexico Section of American Chemical Society.
2. Served as a judge at the State Science Fair.
3. Served as a judge at the Albuquerque High School Science Fair.
4. Consultant to Sandia Corporation.
5. Consultant to Los Alamos Scientific Laboratory.

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; Consultant to Fire Underwriters Board on Cases of Arson.
2. Speaker for the Police Officers Seminar, sponsored by the District Attorney, Second Judicial District, Civic Auditorium, Albuquerque, New Mexico, October 29-31, 1958. "The Chemist and the Investigator."
3. Speaker at Regional Meeting Engineers on Water Treatment. Albuquerque, New Mexico, February 19, 1959. "Water and the Proper Treatment of Water."
4. Attended the Southwest Regional Meeting of the American Chemical Society, San Antonio, Texas, December 4-6, 1958.

RIEBSOMER, J. L.

1. Served as referee for 3 articles for Journal Organic Chemistry.
2. Visiting Associate for "Committee on Professional Training" for American Chemical Society.
3. Spoke at Valley High School Career Day.
4. Served on committee to select winners in "Science Talent Search."
5. Served as a member of the New Mexico Basic Science Board.

9. Activities in Learned and Professional Societies.

Included under 8.

10. Important Travel and Study.

None

11. Gifts.

The department received a gift from Eastman Kodak Company of \$3,240 for fundamental research.

The Report of the Department of Economics

July 1, 1958 - June 30, 1959

Julian S. Duncan, Chairman

1. Significant achievements during the academic year, 1958-1959:

The Department of Economics has continued to experiment with a view to improving methods of teaching the introductory course, Economics 51. We found that having our graduate assistant and the senior assistants take two oral book reviews from each member of the class to be beyond the capabilities of our limited staff. During the second semester there was a shift back to an examination on the books for outside reading. Our opinion and students' reactions confirm us in the decision to have a combination of a written examination on one book and an oral examination on the second.

A limited experiment was carried on with the use of visual aid materials in the classes. The results were found not to be as satisfactory as the conventional blackboard method of diagraming.

Dr. Wollman has completed the draft of his Report to Resources for the Future (with others). This study will probably be published in the next twelve months. It is now in the hands of critics for further evaluation prior to publication. Dr. Wollman has served as a consultant for Resources for the Future during Semester II and is being employed by RFF for the period July 1, 1959, to August 1, 1960. The University has given him a leave of absence for this purpose.

Under Dr. Hamilton's sponsorship the Economics Club has just completed its most successful year, judged by the criteria of attendance at meetings and the amount of interest generated on the campus in its

work. Dr. Hamilton is also faculty adviser to the student association for the United Nations, and under their sponsorship a meeting was held on the campus in which Dr. Miguel Jorrin spoke to a packed lecture room on the Cuban Revolution.

2. Significant plans and recommendations for the near future:

Taking into account the previous enrollment in the various courses taught by the Department, it is believed that Economics is understaffed by two men. A detailed report, dated May 25, 1959, has been forwarded to Dean Wynn. It is believed that the addition of these two men would greatly strengthen the Department and improve its all-around usefulness to the University.

We are planning to continue our efforts to improve the teaching of Economics 51.

3. Appointments to Staff:

Dr. Robert E.L. Knight has been given a one-year appointment for the academic year, 1959-1960, while Dr. Wollman is on leave of absence.

Miss Martha Baldwin has been appointed Graduate Assistant during the academic year, 1959-1960.

4. Separations from Staff:

Tom DeGregori, our present Graduate Assistant, has accepted a teaching assistantship at the University of Texas for the academic year, 1959-1960.

5. Publications:

(a) Books and Monographs

HAMILTON, DAVID B., Consumer Protection in New Mexico, UNM Division of Government Research, Bulletin #54.

## (b) Articles

DUNCAN, JULIAN S., "Treatment of the Rate of Population Growth by Contemporary United States Scientific Societies, 1946-1956," Population Index, July 1958, pp. 218-219.

HAMILTON, DAVID B., "New Mexico's New Industrial Revolution," New Mexico Quarterly, Winter 1958.

"Texas Imperialism," Frontier (scheduled June 1959).

WOLIMAN, NATHANIEL, "Economic Factors in the Study of Water Use," in The Law of Water Allocation in the Eastern United States, edited by David Haber and Stephen W. Bergen, Ronald Press, N.Y., 1958.

## (c) Reviews

DUNCAN, JULIAN S., Review of Coale and Hoover, Population Growth and Economic Development in Low Income Countries, American Sociological Review (to appear in a forthcoming issue).

## 6. Completed research projects:

Dr. Wollman has completed a research project on water resources in New Mexico, extending over a period of two years and involving a grant of \$50,000, for Resources for the Future, Inc. He is co-author of the Preliminary Draft of Report to Resources for the Future on the Value of Water in Alternative Uses.

## 7. See #6.

## 8. Other professional activities:

Dr. Duncan has been elected a Fellow of the American Association for the Advancement of Science.

Dr. Duncan has been on call from Miss Wilma Loy Shelton for the

entertainment of foreign visitors in the field of economics. Among those entertained was the Deputy Minister of Defense for Norway.

Drs. Hamilton and Duncan and Graduate Assistant Tom DeGregori appeared on a television program celebrating United Nations Day. The topic discussed was "The United Nations and Underdeveloped Areas."

Mr. Robertson talked before the Economics classes at Sandia High School on "Government Control of Business."

9. Activities in learned and professional societies:

Dr. Duncan attended the annual meetings of the American Economic Society in Chicago, December 27-30, 1958.

Dr. Wollman presented a paper at the July 1958 meeting of the Southwest Field Committee, Department of the Interior. He also read a paper at the joint meeting of the Pacific Southwest Inter-Agency Committee and the Arkansas-White-Red Inter-Agency Committee, September 1958.

During 1958-1959 Dr. Duncan has been a member of the Curricula Committee and the Teacher Education Advisory Committee of the College of Education. Dr. Wollman has been a member of the Policy Committee, and Dr. Hamilton of the Tidal Wave Committee.

10. Important study and travel:

None.

11. Gifts:

None.



The Report of the Department of English  
 July 1, 1958 - June 30, 1959  
 Hoyt Trowbridge, Chairman

1. Significant achievements during the academic year, 1958-59.

**CURRICULAR CHANGES**

A special committee on Lower-Division courses in Literature, appointed in October, completed its study and submitted a report in the spring. Members of the committee were Franklin Dickey, Morris Freedman, and Katherine Simons (chairman). Their major recommendations, unanimously approved on May 1 and 8 by the Committee on Policy and Personnel, were as follows:

a. That a new course, "Literary Forms and Figures," with a catalog number under 50 be introduced as an elective open to freshmen. The committee proposed that the topics studied in the course be varied from time to time or section to section, including such subjects as "Introduction to Poetry," "Introduction to Shakespeare," "Comedy," and the like.

b. That English 57, 58 be reorganized and renumbered as English 56, 57: Master-works of Literature I, II. English 57, with the present course number but a different title, will continue to be concerned primarily with modern literature (19th century to the present), but will include poetry and non-fictional prose as well as drama and novels. The new English 56, substituted for the present 58, is conceived as an introduction to literature covering all the main literary types from the classical period to the 19th century.

c. That the emphasis in Survey of English Literature (English 53 and 54) be placed on the major writers, with a change of text.

The committee's report will be distributed and submitted to the department for action early in the fall. If approved, the first two recommendations will then be presented for approval through the usual faculty channels.

The Committee on Policy and Personnel devoted many meetings during the winter and early spring to a proposed new M.A. program preparatory to college teaching. It will be a standard curriculum in language and literature, but will include teaching experience in both literature and composition (not for credit) and new seminars or courses in "Philosophy of the Liberal Arts," "Rhetorical and Grammatical Theory," and "Problems and Methods of Literary Study." An outline of the program has been submitted to the Fund for the Advancement of Education, in the hope that money for additional fellowships or assistantships may be granted by the foundation. Two new courses, approved last year, English 165: Tragedy, and English 228s: Studies in Literature for Secondary Teachers, were offered for the first time during 1958-59 with excellent enrollments.

#### ENROLLMENT TRENDS

The most gratifying development of the year was a sharp increase in the number of seniors graduating with majors in English. The figures for both undergraduate and graduate degrees earned during the past 5 years are listed below.

#### Degrees earned with major in English

|            | <u>B.A.</u> | <u>M.A.</u> | <u>Ph.D.</u>                |
|------------|-------------|-------------|-----------------------------|
| June, 1955 | 14          | 2           | 1                           |
| 1956       | 20          | 5           | 1                           |
| 1957       | 16          | 6           | 4                           |
| 1958       | 19          | 6           | 3 (plus 1 in Amer. Studies) |
| 1959       | 41          | 7           | 3 (plus 2 in Amer. Studies) |

Total enrollments in courses taught by the department went up again in 1958-59, as they have done each year since 1951-52. The increase in freshman writing courses (1, 2, 3) was somewhat less than had been anticipated because of an unusually high rate of drop-outs among freshmen at the end of the first semester. The class apparently included unusually high proportions of both strong and weak

students. By a remarkable coincidence, total enrollments in sophomore writing and language courses were exactly the same this year as they were in 1957-58. Enrollments in both sophomore literature courses and in courses at the upper-division and graduate level increased by more than 10 percent. The figures for each of these categories were as follows:

| <u>Enrollments</u>             | <u>1957-58</u> | <u>1958-59</u> | <u>Increase</u> |
|--------------------------------|----------------|----------------|-----------------|
| Freshman Writing               | 2880           | 3046           | 5.7%            |
| Sophomore Writing and Language | 692            | 692            | 0               |
| Sophomore Literature           | 1054           | 1177           | 11.1            |
| Upper-division and Graduate    | 575            | 642            | 11.6            |

The ratios among the four major parts of the department's program are notably stable, varying only slightly from year to year. As shown in the table below, the only change of any significance is the rather small decline in the relative weight of the program in writing and language at the sophomore level and a comparable small increase in sophomore literature courses.

| <u>Enrollment Ratios</u>       | <u>1957-58</u> | <u>1958-59</u> |
|--------------------------------|----------------|----------------|
| Freshman writing               | 55.3%          | 55.1           |
| Sophomore writing and language | 13.3           | 12.5           |
| Sophomore literature           | 20.3           | 21.3           |
| Upper-division and graduate    | 11.1           | 11.1           |

The loss in sophomore writing courses is the result of further decreases in enrollments in English 64: Informative Writing, which has gone down from 447 students in 1956-57 to 406 last year, and 354 in 1958-59.

#### FRESHMAN ENGLISH

New arrangements for the administration of English 1 and 2 were introduced in the fall. Mr. Baughman, who took over as director of the course in Semester II, 1957-58, continued with the same responsibilities. Beginning in September, Miss Buchanan became assistant director, with the counseling of teaching assistants and new instructors as her chief function.

On February 27 and 28, following up last year's very successful meeting, the department again held a Conference on the Freshman Course. Mr. Edward Rosenheim, of the University of Chicago, opened the conference with a fine talk on "The Problem of Standards," and Winfield T. Scott, of Santa Fe, talked informally on "Poetry and you and I," at the dinner meeting. Conference sessions were equally divided between problems especially relevant to English 1 and to English 2. Attendance by outside visitors--high-school English teachers and representatives of other colleges--was almost twice as large as at the first conference.

Both semesters of the freshman writing course were offered by television during the year. Off-campus enrollments continued to be very small, and the hope of achieving usable kinescope films and recordings of Miss Buchanan's lectures proved to be illusory. No TV courses will be offered by the department in 1959-60.

Experimentation with the lecture method in writing courses continued, with large classes in English 1 and 2 taught by Mr. Crowell in the fall and Mr. Freedman in the spring. Mr. Wicker also taught a large section of English 64 in both semesters.

The department again took an active part in the honors program instituted by the College of Arts and Sciences two years ago. Special sections of English 2 or 57 were taught by Mr. Davis, Mr. Freedman, and Miss Simons. Mr. Freedman also taught a freshman colloquium during both semesters, and Mr. Tedlock read contemporary poetry with a sophomore honors group during the fall.

#### DEPARTMENTAL PROGRAM SERIES

Two evening programs were held during the year. Mr. Tedlock read a paper, "The Reputation of Dylan Thomas," at one, and Joe Ferguson and Robert Creeley gave a reading of their own poems at the other. Arthur Pennell was in charge of the series.

### D. H. LAWRENCE FELLOWSHIP

The collection of manuscripts contributed by a distinguished group of contemporary writers to increase the endowment of the Lawrence fellowship was sold in the spring of 1959 to the University of Texas. Income from the fund will provide a cash grant to the holder of the fellowship each summer, in addition to use of the Lawrence Ranch for two months. Negotiations leading up to the sale were admirably handled by Mr. Tedlock, chairman of the local committee.

Mr. Alfred Alvarez, young English poet and critic, was awarded the first fellowship for the summer of 1958. Mr. Douglas Nichols, of the University of Colorado, also a poet, was awarded the fellowship for 1959.

### HONORS AWARDED TO STUDENTS

The 1959 senior class included not only a much larger number of English majors than in any preceding year, but also some of the most brilliant students we have had. The scholastic honors awarded to graduating seniors are listed below.

#### Sally Sue Ballenger (B.A. in English)

University Honors  
Telfair Hendon Prize

#### Lee S. Houchins (B.A. in Mathematics)

Honors in English

#### Harriet K. Mixer (B.A. in Education, major in English)

Graduated with Distinction

#### Robert T. Pitts, Jr. (B.A. in English and Philosophy)

Graduated with Distinction

## 2. Significant plans and recommendations for the near future.

During the next two years the department expects to make three major appointments at the rank of assistant professor or above. Because of approaching retirements, these new members will not represent any net addition to the staff. To take care of rising enrollments, positions at the ranks of instructor and teaching assistant will need to be increased by at least one full-time equivalent each year during the biennium.

The revision of group requirements for degree candidates in the College of Arts and Sciences, adopted by the college and university faculties in the spring of 1959, will undoubtedly result in a significant, though gradual, increase in lower-division literature enrollments in the next few years. The University's policy of discouraging entrance of high-school graduates with poor academic records is expected to reduce the rate of increase at the freshman level, but will probably have little effect, if any, on growth in more advanced courses.

Curricular developments in the next year or two are likely to be chiefly at the graduate level - in the M.A. program preparatory to college teaching (briefly described in the first section of this report), a review of examination procedures for the master's and doctor's degrees, and possibly a re-examination of course and field requirements.

## 3. Appointments to Staff

Franklin M. Dickey joined the staff in September, 1958, with the rank of Assistant Professor. In his first year at New Mexico, he has already further strengthened the department's vigorous program of research and teaching in the Renaissance.

Two new instructors, Arthur Pennell and Mrs. Joan Chillag, were also appointed for 1958-59. Mr. Pennell completed requirements for the Ph.D. at Illinois when he went back to Urbana for his final oral late in the fall.

New instructors appointed for 1959-60 are Eugene Dawson (Ph.D. candidate, University of Washington), Margaret Haley (Ph.D. candidate, University of Oklahoma), Hamlin Hall (Ph.D., Chicago, 1959), and John Willoughby (Ph.D., Rochester, 1959).

#### 4. Separations from Staff

Julia Keleher retired from the faculty at the end of the school year. The novels, stories, and poems published by her students, many of which have been awarded prizes or other honors, testify to her skill and taste as a teacher of creative writing. As Associate Professor Emeritus she will still be part of the family, and the whole department hopes to see her often in the years ahead.

Two instructors resigned in the summer of 1958 to accept positions elsewhere.

John Lauber was appointed Assistant Professor of English at the University of Idaho, and Arthur Cash moved to Colorado State at Fort Collins.

Matthew Ahern, Joan Chillag, and William Davis resigned as instructors in the spring of 1959. Mr. Ahern will still be living in Albuquerque as an employee of the Sandia Corporation. Mr. Davis is returning to Yale to finish his dissertation, a study of Emily Dickinson's poetry.

John McKee, who completed his work for the doctorate in American Studies at UTM in 1958 and taught in the department during the past year as an instructor, will be Assistant Professor of English at New Mexico Institute of Mining and Technology, Socorro, next fall. David Hiatt and George Sidney, part-time instructors during 1958-59, have accepted appointments at Carroll College and Mexico City College. Both completed the Ph.D. here at the end of the year.

5. Publications.

AKMS, GEORGE. "Councilletter," College English, XX (December 1958, February 1959), 138-139, 245-246.

\_\_\_\_\_. "Howells Bibliography for 1957-58," Howells Sentinel (mimeographed), No. 4 (November 1958), 5-8. With W. M. Gibson.

\_\_\_\_\_. Kirk and Kirk, Criticism and Fiction. New York: NYU Press, 1959. General co-editor.

\_\_\_\_\_. Review of Hoffman, Poetry of Stephen Crane, Explicator, XVII (October 1958), 2 pp.

\_\_\_\_\_. Notice of Preface to Our Day, College Composition and Communication, IX (December 1958), 259.

BAUGHMAN, ERNEST W. Sticks in the Knapsack. Collected by Vance Randolph, with notes by Vance Randolph and E. W. Baughman, pp. 133-166. New York: Columbia University Press, 1958.

\_\_\_\_\_. Review of O. E. Rayburn, Forty Years in the Ozarks, Midwest Folklore, VIII (Fall 1958), 174.

\_\_\_\_\_. Review of G. M. Laws, American Balladry From British Broad-sides, Western Folklore, XVII (October 1958), 292-293.

BUCHANAN, EDITH. Student Study Guide for English 2 (mimeographed). Albuquerque: University of New Mexico, January, 1959.

\_\_\_\_\_. Monitor Teachers' Manual for English 2 (mimeographed). Albuquerque: University of New Mexico, January, 1959.

GROWELL, NORMAN B. Short Manual of Style for Writing: Sandia Corporation Instructions (mimeographed). Albuquerque and Los Alamos: Sandia Corporation, 1958.

\_\_\_\_\_. Review of The Voyages of Joshua Slocum, ed. W. M. Teller, New Mexico Quarterly, XXVIII (Summer - Autumn - Winter 1958), 178-181.

DICKIN, FRANKLIN M. "The Old Man at Work: Forgeries in the Stationers' Register." Shakespeare Quarterly. Scheduled.

FRIEDMAN, MORRIS. "Dryden's Miniature Epic," Journal of English and Germanic Philology, LVII (April 1958), 211-219.

\_\_\_\_\_. "Technical Writing, Anyone?" College Composition and Communication, X (February 1959), 53-57.



\_\_\_\_\_. "The Dangers of Nonconformism," The American Scholar, XXVIII (Winter 1958-59), 25-32. Selections reprinted in Horizon, I (March 1959), 112, and in The Education Digest, XXIV (April 1959), 16-19; also to be reprinted in Best Articles, Stories, Poems.

\_\_\_\_\_. "Satan and Shaftesbury." FMLA. Scheduled.

JACOBS, WILLIS D. "Carlyle and Mill," CEA Critic, XXI (February 1959), 5.

\_\_\_\_\_. "Mehdi Sankasil Gets the Treatment," The Reporter, XX (19 March 1959), 37-39.

\_\_\_\_\_. "Vinicius de Moraes, Poet of the Passions." Proceedings of the Luso-Brazilian Institute. With A. R. Lopes. Scheduled.

KUNTZ, JOSEPH M. Poetry Explication: A Checklist, second edition. Scheduled by Swallow Press, Denver.

PEARCE, T. M. "Evidence for Dating Marlowe's Tragedy of Dido," in Studies in the English Renaissance, ed. Bennett, Cargill, and Hall. New York: NYU Press, 1959, pp. 231-247.

\_\_\_\_\_. "The Albuquerque Repostero," El Palacio (October 1958), 169-173.

\_\_\_\_\_. "The New Mexico Place-Name Dictionary: A Polyglot in Six Languages," Names, VI (December 1958), 212-225.

\_\_\_\_\_. "Wit and Wisdom in Mr. Neilman's Othello," The Shakespeare Newsletter, VIII (December 1958), 42.

\_\_\_\_\_. "To Frieda: In Memory," in D. H. Lawrence: A Composite Biography, edited by Edward Nehls. Madison: University of Wisconsin Press, 1959. Vol. III, pp. 486-490.

\_\_\_\_\_. Names Under the Sun. The New Mexico Place Name Dictionary. Scheduled by UTM Press.

\_\_\_\_\_. Review of Juan Rael, Cuentos Espanoles de Colorado y de Nuevo Mexico, Journal of American Folklore, LXI (October-December 1958), 583-584.

\_\_\_\_\_. Review of Virginia Madison and Hallie Stillwell, How Come It's Called That, Western Folklore, XVIII (April 1959), 183-184.

\_\_\_\_\_. Review of Literature of the Old Southwest, edited by H. F. Benthall, Western Folklore, XVIII (July 1959), 270-271.

SIMONS, KATHERINE. Review of E. M. Rhodes, The Rhodes Reader: Stories of Virgins, Villains, and Vermin, The New Mexico Quarterly Review, XXIII (April 1958), 172-175.

TEDLOCK, E. W., JR. "The Little Engine That Went Backward," Best Articles and Stories, III (January 1959), 36-37.

\_\_\_\_\_. The Art of Cultural Rebellion: A Study of the Fiction of D. H. Lawrence. Scheduled by UNM Press.

\_\_\_\_\_. Dylan Thomas - The Legend and the Poet, edited by E. W. Tedlock. Scheduled by Heineman, Ltd., London.

TROWBRIDGE, HOYT. "Ends and Means in Curricular Reform," Current Issues in Higher Education, 1958. Washington: Association for Higher Education, 1959, pp. 271-276.

\_\_\_\_\_. "Forty Years of General Education," Journal of General Education, XI (July 1958), 161-169.

WICKER, C. V. Principles and Forms of Objective Writing. Scheduled by American Book Company.

\_\_\_\_\_. Review of H. C. Martin, The Logic and Rhetoric of Exposition and Inquiry and Expression: A College Reader, edited by H. C. Martin and R. M. Omann, College Composition and Communication, IX (December 1958), 257-258.

\_\_\_\_\_. Review of Peter Lisca, The Wide World of John Steinbeck, New Mexico Quarterly, XXVIII (Summer-Autumn-Winter 1958), 175-177.

\_\_\_\_\_. Summary of panel discussion at Conference on College Composition and Communication, San Francisco. Scheduled.

\_\_\_\_\_. Review of M. A. Goldberg, Smollett and the Scottish School. Scheduled.

## 6. Completed research projects.

Matthew J. Ahern

A study of UNM library holdings in Renaissance literature, history, philosophy, music, and art. (Sponsored by University Research Committee).

Franklin M. Dickey

Article on forgeries in the Stationers' Register, listed above under publications.

Morris Freedman

Article on Shaftesbury, listed above under publications.

Willis D. Jacobs

Article on Villaurbana, Latin-American poet, written in collaboration with A. E. Lopez.

T. M. Pearce

Book on New Mexico place names, listed above under publications.

E. W. Tedlock, Jr.

Books on D. H. Lawrence and Dylan Thomas, listed above under publications.

7. Outside-sponsored research.

None.

8. Other professional activities.

George Arms

Board of advisors, Arlington Books.

Co-editor, Explicator.

Ernest W. Baughman

Co-chairman, Conference on the Freshman Course, UMM, February, 1959; also read paper, "Teaching a Poem."

Edith Buchanan

Co-chairman, Conference on the Freshman course, UMM, February, 1959; also read paper, "Minimum Essentials."

Horton B. Crowell

Read paper, "The Sad Decline of Technical Writing," Society of Technical Writers and Editors, October, 1958.

Franklin M. Dickey

Read paper, "Teaching a Short Story," Conference on the Freshman Course, UMM, February, 1959.

Morris Freedman

Served on panel, Conference on the Freshman Course, UMM, February, 1959.

Talk on "Reading Drama," Albuquerque Library Association.

Talk on aims of education, Montgomery School FEA.

Talk on history of the English language, Montgomery School.

## Willis D. Jacobs

Section chairman, Conference on the Freshman Course, UNM, February, 1959.

Section chairman, Conference on Fulbright and Smith-Mundt Exchange opportunities (sponsored by U. S. Department of State), UNM, April, 1959.

Talk on "The European University Student and the Problem of Leadership," Student Leadership Training Conference, Santa Fe, March, 1959.

Talk on "The Spanish University Professor," AAUP, October, 1958.

Talk on "The Spanish University, its Students and its Organization," Club de Las Americas, Albuquerque, October, 1958.

Talks on "The Arab World" and "American Diplomacy Abroad," Great Decisions, February and April, 1959.

Chairman and moderator, poetry reading by campus poets, January, 1959.

Chairman and chief pronouncer, Scripps-Howard Annual Spelling Bee, May, 1959.

Panelist, symposium on "The Beat Generation," UNM, December, 1958.

## Joseph M. Kuntz

Served on panel, "The Library Paper," Conference on the Freshman Course, UNM, February, 1959.

## T. M. Pearce

Advisory Committee, American Speech.

Review editor, The Shakespeare Newsletter.

Regional editor, Western Folklore.

## Arthur Pennell

Served on panel, "Approaches to Composition," Conference on the Freshman Course, UNM, February, 1959.

Chairman, Department of English Program Series.

## Katherine Simons

Talk, Bandelier School PTA, March, 1959.

Talk, Highland H. S. Career Day, May, 1959.

## E. W. Tedlock, Jr.

Read paper, "The Reputation of Dylan Thomas," Department of English Program series.

Chairman, Committee for D. H. Lawrence Fellowship.

Hoyt Trowbridge

Board of editors, Journal of General Education.

Section chairman, Conference on the Freshman Course, UNM, February, 1959.

Talk to senior class, Sandia High School, May, 1959.

C. V. Wicker

Read paper, "Ways of Improving Technical Writing," Society of Technical Writers and Editors, May, 1959.

Served on panel, "Approaches to Composition," Conference on the Freshman Course, UNM, February, 1959.

Barbara Wykes

Chairman of panel discussion, "The Library Paper," Conference on the Freshman Course, UNM, February, 1959.

Talk on "University Days," Sandia High School, February, 1959.

Talk on "Post-war Domestic Manners of the British," Mortar Board Alumni, May, 1959.

Panelist, symposium on "The Beat Generation," UNM, December, 1958.

## 9. Activities in learned and professional societies.

### George Arms

Chairman, Conference 4: "Literature and Religion," Modern Language Association, New York, December, 1958.

Chairman, College section, National Council of Teachers of English; also section chairman, NCTE national meeting, November, 1958.

Editorial Board, Conference on College Composition and Communication (to December, 1958).

Bibliography Committee, American Studies Association (to December, 1958).

### Ernest W. Baughman

Member, Folktale Committee, American Folklore Society.

Read paper, "Some New Mexico Folktales," at meeting of New Mexico Folklore Society, Ruidoso, May, 1959.

Read paper, "Supervision Without Class Visitation," Conference on College Composition and Communication, San Francisco, May, 1959.

President, State College-High School Committee on the Teaching of English

President, Albuquerque English Club (NCTE).

### Morris Freedman

Read paper, "The Proper Place of Creative Writing," Conference on College Composition and Communication, San Francisco, May, 1959.

### T. M. Pearce

First Vice-President, American Name Society.

General Committee, Modern Humanities Research Association (American Branch).

Committee on the Study of Folklore in the Senior High School, National Council of Teachers of English.

Read two papers, "Anti-Lancastrianism in Henry IV" and "The New Mexico Dialect Atlas," at annual meeting, Rocky Mountain Modern Language Association, Provo, October, 1958.

### E. W. Tedlock, Jr.

Attended annual meeting, Rocky Mountain Modern Language Association, Provo, October, 1958.

Talk on "The Poetry of Emily Dickinson," Albuquerque English Club, April, 1959.

### Hoyt Trowbridge

Member, Commission on the College Student, American Council on Education (to February, 1959); attended Commission meeting, Williamsburg, Va., November, 1958.

Attended annual meeting, Rocky Mountain Modern Language Association, Provo, October, 1958.

Attended annual meeting, Modern Language Association, New York, December, 1958.

### G. V. Wicker

Recorder, Panel on Advanced Placement, Conference on College Composition and Communication, San Francisco, May, 1959.

### Barbara Wykes

Program Committee, Albuquerque English Club.

Secretary-Treasurer, Mortar Board Alumni Association.

## 10. Important study and travel

### George Arms

Mr. Arms was on sabbatical leave during the whole of the 1958-59 academic year. Working chiefly at Harvard, he continued research on "A Calendar of the W. D. Howells Correspondence."

### Norton Crowell

Mr. Crowell completed a study of Browning's theory of knowledge while on sabbatical leave during Semester II.

### Franklin Dickey

At the end of his year in England on a Guggenheim fellowship, Franklin Dickey and his family spent two months in Italy during the summer of 1958.

### Barbara Wykes

Miss Wykes traveled in the British Isles, Switzerland, Italy, and France during July and August, 1958.

## 11. Gifts

Mrs. A. V. V. (Edith) Blessing of Santa Barbara, California, added 13 volumes to the fine collection of Henry James early editions which she presented to the UNM library last year.

The Report of the Division of Geography  
July 1, 1958 - June 30, 1959  
B. L. Gordon  
Assistant Professor

1. Significant achievements during the academic year 1958-59.

A new staff member has been added to the Geography Division. Dr. Yi Fu Tuan, at present employed by the University of Indiana, will begin teaching at the University of New Mexico in Sept. 1959. Two new courses, Geography of Western Europe and Geography of East Asia, will be offered in the Fall Semester, 1959.

2. Significant plans and recommendations for the near future.

At present only a minor in geography is offered at the University of New Mexico. Future plans will be much concerned with the development of geography as a major field of study.

3. Appointments to staff.

Dr. Yi Fu Tuan, Assistant Professor of Geography  
Appointment effective July 1, 1959.

6. Completed research projects.

A project sponsored by the Office of Naval Research dealing with the geography of northwestern Panama has been completed.

7. Outside-sponsored research.

Sponsor: The Jicarilla Apache Indian Tribe.

Amount: \$18,370.

Purpose: To make a documentary study of land use in northeastern New Mexico. The research will be directed by B. L. Gordon. Miss Ynez Haase of Berkeley, California, has been employed as Research Associate for this study.

Duration: May, 1959 - December, 1959.



9. Activities in learned and professional societies.

In August, 1958, B. L. Gordon read a paper, The Aboriginal Population of Panama and the Exchange of Plants Between the Americas, at the annual meeting of the Association of American Geographers at Santa Monica, California.

B. L. Gordon acted as Secretary-Treasurer for the Rocky Mountain Council for Latin American Studies.

10. Important study and travel.

B. L. Gordon spent part of the summer of 1958 at field study in Panama on an Office of Naval Research grant. He received the sum of \$50.00 from the University Research Committee to help prepare the results of this study for publication.

The Report of the Department of Geology  
July 1, 1958--June 30, 1959  
Stuart A. Northrop, Chairman

1. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1958-59.

(a) Changes in Curriculum.

Three new courses were approved: Geology 191L, Morphological Crystallography, 3 hours credit; Geology 221L, Stratigraphic Analysis, 3 hours credit; Geology 231L, Metamorphic Petrology, 3 hours credit. The last two will be offered in alternate years. One course was deleted: Geology 105, New Mexico Geology, 2 hours credit.

Minor changes in courses now offered include: Addition of one hour of lab work in Geology 5L, Physical Geology Laboratory, but no increase in credit; addition of three hours of lab work and addition of one credit to Geology 141L, Sedimentology; reduction of credit by one hour in Geology 203L, Advanced Mineralogy.

(b) Decrease in Geology Enrollments.

This year was marked by a sharp decline in both number of students enrolled in geology courses and in the departmental total of student credit hours. Compared to last year the enrollment dropped 11.5 percent and the student-credit-hour total dropped 13.1 percent. For several years the American Geological Institute has been conducting surveys of geology enrollments in 207 colleges and universities offering a geology major. Percentage changes in U. N. M. geology enrollments are compared with the national trend in the table below.

| <u>Year</u>          | <u>U. H. M.</u>             | <u>U. S. Geology Majors</u> |                |
|----------------------|-----------------------------|-----------------------------|----------------|
|                      | <u>All Geology Students</u> | <u>Seniors</u>              | <u>Juniors</u> |
| 1954-55 over 1953-54 | 23.7%                       | -----                       | -----          |
| 1955-56 over 1954-55 | 14.9%                       | -----                       | -----          |
| 1956-57 over 1955-56 | 5.1%                        | 29.0%                       | 11.6%          |
| 1957-58 over 1956-57 | 7.2%                        | 19.9%                       | -2.5%          |
| 1958-59 over 1957-58 | -11.5%                      | -3.6%                       | -15.6%         |

We believe that geology enrollments reflect job opportunities. Retrenchment in the petroleum industry has now been underway for more than a year. This is generally attributed to increased imports of foreign oil. Many companies have greatly curtailed their exploration activities. The job outlook for this year's graduating seniors is gloomy and this may very well result in an increase in the number of graduate students seeking master's degrees next year.

(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 certain staff members in addition to their normal teaching programs and research activities.

Only two small exhibits were installed this year. One is a generalized geologic cross section of the Grand Canyon of the Colorado River with specimens of rocks of various ages collected by

S. A. Northrop many years ago. The cross section and exhibit were prepared by Sidney Ash, a former graduate student. The other exhibit is of a number of striking borate mineral specimens collected by members of Sigma Gamma Epsilon on their annual field trip, accompanied by the faculty sponsor, Vincent C. Kelley, to Death Valley, California.

The systematic mineral exhibit, originally contained in four two-way cases, is being revamped and expanded into five and a half two-way cases by Nancy L. Cook, a senior, working under the direction of A. Rosenzweig.

The Museum continues to be visited by an ever-increasing number of persons, such as amateur mineral collectors, rockhounds, prospectors, and school children, the last generally in class groups accompanied by their teachers. As noted in my last annual report, the number of requests for a faculty member or graduate assistant to give a short lecture to such groups of children and then remain to answer all their questions has been increasing. Last year I wrote: "This is time-consuming and the burden may soon become intolerable." In my judgment, we shall now have to discontinue furnishing staff members to talk to these school groups. One reason is that next year the department will have to get along with four graduate assistants instead of the five we have had for several years.

## 2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

In my last report I noted that in June, 1957, I had expressed hope that by September, 1958 we might be able to add a technician-preparator to the staff. Last June I wrote: "Certainly, every effort should be made to provide funds for such a person by

September, 1960. We recommend also that a teaching assistant be added to the staff for the first year of the biennium and a graduate assistant for the second year."

It must now be emphasized that we did not get either a teaching assistant or a graduate assistant. Instead, we lost a graduate assistant.

Both the equipment and expense budgets should be increased. I learned recently that Arizona State University at Tempe, which has only three faculty members and offers no graduate work whatever, has a departmental budget of \$6,000 per year. Our equipment and expense budgets have amounted to only \$5,000 in the last few years and we now have a staff of seven and have turned out a total of 346 Bachelor's and 65 Master's degrees.

Inasmuch as the Geology Lecture Hall (seating 200 to 225) is used by several other departments and for numerous all-University functions, we urge that permanent seating be installed as soon as possible.

3. and 4. There were no new appointments to, nor separations from, the staff.

## 5. PUBLICATIONS

### (a) Books and Monographs.

- ANDERSON, ROGER Y., and HARSHBARGER, JOHN W. (editors).  
Guidebook of the Black Mesa Basin, Northeastern Arizona.  
 Albuquerque: New Mexico Geological Society, Ninth Field  
 Conference (Oct. 16-18, 1958). 205p.  
 NORTHROP, STUART A. Minerals of New Mexico. Albuquerque:  
 University of New Mexico Press, 1959 (in press). 665p.

(b) Articles.

- ANDERSON, ROGER Y. "Life Zones of Northeastern Arizona," in Guidebook of the Black Mesa Basin, Northeastern Arizona, New Mexico Geological Society, Ninth Field Conference (1958), 199-201.
- , "Floral and Faunal Changes at the Cretaceous-Tertiary Boundary, San Juan Basin, New Mexico" (Abstract), New Mexico Geological Society, Program Thirteenth Annual Meeting (April 23-25, 1959), 13-14.
- (with Thomas L. Carten). "Pennsylvanian Spores from the Sandia Formation, Santa Fe County, New Mexico" (Abstract), Ibid., 14.
- BALTZ, ELMER H., JR. (Graduate Student). "Distribution and Facies of Pennsylvanian Rocks of Sangre de Cristo Mountains and Raton Basin, New Mexico" (Abstract), American Association Petroleum Geologists Bulletin, XLIII (May 1959), 1093-1094.
- CARTEN, THOMAS L. (Graduate Student). See under Anderson, Roger Y. for joint paper.
- ELSTON, WOLFGANG E. "Burro Uplift, Northeastern Limit of Sedimentary Basin of Southwestern New Mexico and Southeastern Arizona," American Association Petroleum Geologists Bulletin, XLII (October 1958), 2513-2517.
- , "Some Features of Pyrometamorphic Ore Deposits in the Peloncillo Mountains, Hidalgo County, New Mexico" (Abstract), New Mexico Geological Society, Program Thirteenth Annual Meeting (April 23-25, 1959), 14-15.
- (editor). "Program for Thirteenth Annual Meeting," New Mexico Geological Society, April 23-25, 1959, Albuquerque, New Mexico. 21p.
- , "Paleozoic Stratigraphy of Black Mesa Basin, Northeastern Arizona and Surrounding Areas" (Abstract), American Association Petroleum Geologists Bulletin, XLIII (May 1959), 1096.
- ERSKINE, WOOD S. (Graduate Student). "'Micrometeorites' of the Todilto Gypsum (A Preliminary Investigation)" (Abstract), New Mexico Geological Society, Program Thirteenth Annual Meeting (April 23-25, 1959), 17-18.
- FITZSIMMONS, J. PAUL. The Geology of Uranium. (Translation from Russian of twelve articles, by various authors, originally published in the Soviet Journal of Atomic Energy, Atomic Press, Moscow, 1957.) Translation published in book form, New York: Consultants Bureau, Inc., 1958. 128 quarto p.
- , New Instruments and Techniques Utilized in Engineering--Geological Investigation. (Translation from Russian of a book by N. V. Glazov and A. N. Glazov, originally published by the State Science and Technology Press for Literature on Geology and Mineral Resources, Moscow, 1957.) Translation now in press (probably about 100 p.).
- , Translations from Russian of the Geological Sciences sections of parts of vols. 114, 115, 116, 117 (1957); 118, 119, 120, 121, 122, 123 (1958); 124 (1959); Proceedings of the Academy of Science, U. S. S. R., Moscow.

- KELLEY, VINCENT C. "Tectonics of the Region of the Paradox Basin," in Guidebook to the Geology of the Paradox Basin, Intermountain Association Petroleum Geologists, Ninth Annual Field Conference (1958), 31-38.
- , "Tectonics of the Black Mesa Basin Region of Arizona," in Guidebook of the Black Mesa Basin, North-eastern Arizona, New Mexico Geological Society, Ninth Field Conference (1958), 136-144.
- , "Log of Preconference Field Trip to Tijeras Canyon, Sandia Mountains, New Mexico," American Association Petroleum Geologists, Rocky Mountain Section, Program Ninth Annual Meeting (February 1-4, 1959), 31-41.
- , "Sigma Gamma Epsilon Grand Council Letter of Inspection," The Compass of Sigma Gamma Epsilon, XXXVI (March 1959), 228-229.
- , "Fractures in Sedimentary Rocks" (Abstract), American Association Petroleum Geologists Bulletin, XLIII (May 1959), 1099-1100.
- NORTHROP, STUART A. "Revised Edition of 'Minerals of New Mexico'" (Abstract), New Mexico Geological Society, Program Thirteenth Annual Meeting (April 23-25, 1959), 10.
- PERKINS, RONALD D. (Graduate Student). "Lithogenesis of the Pennsylvanian Madera Formation of Palomas Peak, Sandia Mountains, Sandoval and Bernalillo Counties, New Mexico" (Abstract), Ibid., 13.
- , "Palynology as a Stratigraphic Tool in Oil Exploration," The Compass of Sigma Gamma Epsilon, XXXVI, no. 3 (March 1959), 206-221.
- ROSENZWEIG, ABRAHAM (with F. C. Homme). "Spurrite and Monticellite Skarns in the Tres Hermanas Mountains, Luna County, New Mexico" (Abstract), Geological Society America Bulletin, LXIX (December 1958), 1586.
- (with L. K. Lustig). "Mineralogy of the Lone Star Mine, Santa Fe County, New Mexico," The Compass of Sigma Gamma Epsilon, XXXVI, no. 3 (March 1959), 172-183.
- (and D. T. Cromer). "The Crystal Structure of  $\text{KAu}(\text{CN})_2$ ," Acta Crystallographica (in press).
- (and Joseph J. Finney). "The Unit Cell of Carminite," American Mineralogist (in press).
- WENGERD, SHERMAN A. "Origin and Habitat of Oil in the San Juan Basin of New Mexico and Colorado," in Habitat of Oil, American Association Petroleum Geologists Symposium, 1958, 366-394.
- , "Pennsylvanian Stratigraphy, Southwest Shelf, Paradox Basin," in Guidebook to the Geology of the Paradox Basin, Intermountain Association Petroleum Geologists, Ninth Annual Field Conference, 1958, 109-134.
- , "Exhibit III. Report of Editor," American Association Petroleum Geologists Bulletin, XLII (June 1958), 1463-1464.
- (and Marvin L. Matheny). "Pennsylvanian System of Four Corners Region," American Association Petroleum Geologists Bulletin, XLII (September 1958), 2048-2106.
- , "Lucero Basin Attracts Wildcatters.....," Oil and Gas Journal, LVI (November 10, 1958), 207-215.

- "Guide to the Preparation and Disposition of Manuscripts for Publication in the Bulletin," American Association Petroleum Geologists Bulletin, XLIII (January 1959), 202-216.
- "History of the Four Corners Geological Society," Four Corners Geological Society, 1959. 6p.
- "Pennsylvanian Paleogeology and Search for Oil in Lucero Basin, Central New Mexico" (Abstracts), Oil and Gas Journal, LVII (March 16, 1959), 211-212; American Association Petroleum Geologists Bulletin, XLIII (May 1959), 1108.
- "Stratigraphic Controls in Pennsylvanian Oil of the Paradox Basin, Four Corners Region" (Abstracts), Program Booklet, Annual Meetings A. A. P. G.--S. E. P. M. (March 16-19, 1959), 34-35.

(c) Review.

WENGERD, SHERMAN A. (with Geraldine W. Werdig). Review of the Dallas Geological and Geophysical Societies, "The Geology and Geophysics of Cooke-Grayson Counties, Texas," American Association Petroleum Geologists Bulletin, XLIII (February 1959), 485-487.

(d) Special Departmental Item.

The U. S. Geological Survey published a revised geologic map entitled Preliminary Geologic Map of the Southeastern Part of New Mexico as Miscellaneous Geologic Investigations Map I-256 (1958). This map bears the acknowledgment: "Prepared with the cooperation of the Department of Geology, University of New Mexico."

6. COMPLETED RESEARCH PROJECTS.

R. Y. Anderson

Cretaceous-Paleocene palynology of the eastern side of the San Juan Basin, New Mexico--first draft of Ph.D. dissertation for Stanford University completed. Varve and cycle studies of the Jurassic Todilto formation, New Mexico--completed. Foraminifera of the Upper Cretaceous Lewis shale, San Juan Basin, New Mexico--in progress.

W. E. Elston

Stratigraphic research on Black Mesa basin, Arizona--completed for publication. Igneous rocks of the Capitan quadrangle, Lincoln County, New Mexico--in progress. Geology and ore deposits of Hidalgo County, New Mexico--scheduled for completion in 1960.

J. P. Fitzsimmons

Translated two books and numerous articles from Russian. Study of interference phenomena in convergent light for prismatic sections of uniaxial crystals--about completed.



## V. C. Kelley

Fracture systems of the Colorado Plateau. Fractures in sedimentary rocks. Growth and development of folds. Contributor to new geologic map of New Mexico, S. E. quarter. Geology of Rio Grande depression. Geology of Sandia Mountains.

## S. A. Northrop

Paleontology of the Paleozoic rocks of the Glenwood Springs quadrangle and vicinity, Colorado--to be published by the U. S. Geological Survey; report being expanded.

## A. Rosenzweig

The twinning laws of spurrite.

## S. A. Wengert

Pennsylvanian geology and petroleum potential of the Lucero region, west-central New Mexico. Pennsylvanian oil possibilities of the San Juan Basin, Four Corners region. Petroleum potential of west-central New Mexico. Pennsylvanian sedimentation, Paradox Basin, Four Corners region.

## 7. OUTSIDE-SPONSORED RESEARCH. (Actually, the activities cited below are more in the nature of consultancies.)

## W. E. Elston

Field work, summer, 1958, geology and ore deposits of Hidalgo County, New Mexico. For the New Mexico Bureau of Mines and Mineral Resources.

## J. P. Fitzsimmons

Translating of geological material from Russian.

## 8. OTHER PROFESSIONAL ACTIVITIES

## R. Y. Anderson

Lecture, "Life zones of northeastern Arizona," New Mexico Geological Society meeting, Holbrook, Arizona. Lecture, "Pollen analysis of cave deposits," U. N. M. Anthropology Club. Lecture, "Paleoecological applications of palynology," Sigma Phi Epsilon. Consultant in micropaleontology for the Geological Sample Log Co., Farmington, New Mexico. Identified fossils and rocks for the public.

## W. E. Elston

Identified rocks, minerals, and ores for the public. Also dispensed geologic advice to several persons.

## J. P. Fitzsimmons

Lecture, "The Use of the Microscope in Studying Minerals and Rocks," Albuquerque Gem and Mineral Club. Identified rocks for the public.

## V. C. Kelley

Faculty advisor, Sigma Gamma Epsilon; leader, field trip to Death Valley. Grand Vice-President, Western Province, Sigma Gamma Epsilon. Inspection of facilities at University of Arizona. Attended Grand Council meeting, Dallas. Guest speaker, Sigma Gamma Epsilon banquet, Salt Lake City.

Installation of Chapter of Sigma Gamma Epsilon, University of Arizona, Tucson. Inspection of facilities at Arizona State University, Tempe.

Chairman, Nominating Committee, U. N. M. Chapter of Sigma Xi. Member and Acting Chairman, Nominating Committee, New Mexico Mining Association. Member, Board of Directors, New Mexico Mining Association. Member, Program Committee, American Mining Congress, Denver. Panel member, Uranium Symposium, Moab, Utah.

Talk to Albuquerque Geological Club, "Nature and Origin of Monoclines." Talk to Albuquerque Gem and Mineral Club, "Polishing and Study of Ores."

Geologist, w.a.e., U. S. Geological Survey. Research consultant, U. S. Atomic Energy Commission.

Identified minerals and ores for the public.

#### S. A. Northrop

Talk, "Revision of Northrop's 'Minerals of New Mexico'," New Mexico Mining Association, Annual Meeting, Carlsbad, New Mexico, October 30, 1958. Geologist, w.a.e., U. S. Geological Survey. State Collaborator in Seismology, Seismological Field Survey, U. S. Coast and Geodetic Survey. Identified fossils for the public.

#### A. Rosenzweig

Secretary, New Mexico Chapter, The Society of the Sigma Xi. Talk, "History of Mineralogy," Albuquerque Gem and Mineral Club, April 13, 1959. Consultant to Los Alamos Scientific Laboratory. Identified numerous mineral specimens for the public.

#### S. A. Wengert

Talk, "Petroleum Possibilities of the Lucero Basin, West-Central New Mexico," Albuquerque Geological Club, Oct. 21, 1958. Public Information Officer, Naval Research Reserve Company 8-7; lectures given.

### 9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

#### R. Y. Anderson

Cochairman, paleontological section, Cordilleran Section, Geological Society of America, Tucson, Arizona, April 3, 1959. Member, Field Trip Committee, A. A. P. G., Feb. 1, 1959.

Read a paper, "Faunal and floral changes at the Cretaceous-Tertiary boundary, San Juan Basin, New Mexico," New Mexico Geological Society, 13th annual meeting, Albuquerque, April 24, 1959.

#### W. E. Elston

Program chairman, 13th annual meeting, Geological Society of New Mexico, Albuquerque, April 23-25, 1959. Member, Field Trip Committee, A. A. P. G., Feb. 1, 1959.

Read a paper, "Paleozoic stratigraphy of the Black Mesa Basin, northeastern Arizona, and surrounding areas," Am. Assoc. Petroleum Geologists, Rocky Mt. Section, 9th annual meeting, Feb. 4, 1959. Read a paper, "Some Features of pyrometasomatic ore deposits in the Peloncillo Mountains, Hidalgo County, New Mexico," New Mexico Geological Society, 13th annual meeting, April 24, 1959. Member, Field Trip Committee, A. A. P. G., Rocky Mt. Section, Feb. 4, 1959.

J. P. Fitzsimmons

Member, Field Trip Committee, A. A. P. G., Rocky Mt. Section, Feb. 4, 1959.

V. C. Kelley

American Association Petroleum Geologists: attended planning meetings, Leader, Field Trip. Chairman, Field Trip Committee. Critic of papers. Delegate-at-Large for Rocky Mts., Annual Business Meeting, Dallas.

New Mexico Geological Society, leader, 9th field conference. Member, Advisory Committee. Critic of papers. Talk on Rio Grande Trough. Geological Society of America: critic of manuscripts. Cochairman of section meeting, Geological Society of America, Cordilleran Section, Tucson, Arizona, April 4, 1959. Coeditor, Four Corners Geological Society Bulletin.

Read paper, "Fractures in Sedimentary Rocks," A. A. P. G., Rocky Mt. Section, Ninth Annual Meeting, Albuquerque, Feb. 4, 1959.

S. A. Northrop

Advisory Board, New Mexico Geological Society Field Conference, 1958.

Read paper, "Revised Edition of 'Minerals of New Mexico,'" New Mexico Geological Society, Albuquerque, April 24, 1959.

A. Rosenzweig

Read paper by F. C. Homme and A. Rosenzweig, "Spurrite and monticellite skarns in the Tres Hermanas Mountains, Luna County, New Mexico," Geological Society America, St. Louis, Mo., Nov. 6, 1958.

S. A. Wengerd

Editor, American Association Petroleum Geologists Bulletin, 1957-1959; A. A. P. G. Business Committee, 1958-59; Publications Committee; Stratigraphic Correlations Committee, Field Trip Comm., American Committee of Stratigraphic Nomenclature liaison for A. A. P. G. Executive Committee. Member, Executive Committee.

Cochairman of section meeting, Geological Society of America, Cordilleran Section, Tucson, Arizona, April 4, 1959. Advisory Board, New Mexico Geological Society Field Trip, 1958. Education Committee, American Geological Institute, 1958-59.

Attended meetings as follows: A. A. P. G. Executive Committee, Tulsa, Oklahoma, June 27-28, 1958. Southwestern Federation of Geological Societies, Mineral Wells, Texas, Oct. 22-24, 1958; Gulf Coast Association of Geological Societies, Corpus Christi, Texas, Oct. 26-28, 1958; A. A. P. G. Executive Committee,

Mineral Wells, Texas, Oct. 24-25, 1958; A. A. P. G. Executive Committee, Panama City, Florida, Jan. 6-9, 1959; Ditto, Dallas, Texas, March 13-14, 1959; A. A. P. G. Business Committee Meeting, Dallas, Texas, March 16, 1959.

Read paper, "Pennsylvanian Stratigraphy of the Paradox Basin, Intermountain Association Petroleum Geologists, Goosenecks, Utah, Sept. 12, 1958. Read paper, "Pennsylvanian Paleogeology and the Search for Oil in the Lucero Basin, Central New Mexico," A. A. P. G., Rocky Mt. Section, 9th Annual Meeting, Albuquerque, Feb. 4, 1959. Read paper, "Stratigraphic Controls on Pennsylvanian Oil of the Paradox Basin, Four Corners Region, A. A. P. G. Meeting, Dallas, Texas, March 19, 1959.

#### 10. IMPORTANT STUDY AND TRAVEL.

V. C. Kelley

3,000-mile trip through Mexico included reconnaissance of regional geology, visits to several mines, and collection of suites of ores.

#### 11. GIFTS.

New Mexico Geological Society Grants-in-Aid of Research: a total of \$533.05 from the Society to six graduate students (Jerome E. Anderson, William E. Bowers, John J. Bruns, Thomas L. Carten, Richard B. Lodewick, and Ronald D. Perkins) for master's thesis projects.

By Exchange.--A small collection of Cretaceous fossils from Mexico by Dr. and Mrs. Zoltan de Cserna, of the Instituto de Geologia, in exchange for New Mexico fossils.

Fossils by Robert L. Harbour, Will Blair, Robert A. Smith, Lois J. Campbell (University of Kentucky), Donald G. Turpen.

Minerals and rocks by Jerry Harbour (West Texas State College, Canyon, Texas). Several samples of rare ore minerals by William W. Pinch.

Books.--A small geological library of 58 books including 22 bound volumes of University of Texas, Bureau of Economic Geology Publications, seized for nonpayment of storage. Donated by Benton Van and Storage, through Fred P. Jamin.

The geological library of the late Linn M. Farish has been given to the department by Mr. and Mrs. Gene Polk with the proviso that it be kept intact. We hope to have this library catalogued during the coming summer.

The Report of the Department of Government

July 1, 1958 - June 30, 1959

Charles Judah - Acting Chairman

1. Significant achievements during the academic year, 1958-1959.

Professor Wolcott completed the department's two year experiment in devising methods and comparing the effectiveness of teaching techniques in large and small classes. A report of his findings has been submitted to the dean.

2. Significant plans and recommendations for the near future.

No immediate changes in course offerings are contemplated.

3. Appointments to staff.

No changes in permanent staff. Professor Richards is on leave for a two year period, 1958-1961 to accept position on Mission USOM to Bolivia. He is teaching public administration to Bolivian public officials. Visiting Professor Wolcott left the department in February, 1959 to accept a position on a United States Mission to Iran. Mr. Judson Ford, Sandia Base official took over Mr. Wolcott's duties for Semester II, 1958-1959. Mr. Edward Goldberg will take Professor Richards place for the academic year 1959-1960. This instability in staff, though of value to the United States, Bolivian and Iranian Government is not helpful to the University of New Mexico.

4. Separations from staff.

None other than Mr. Wolcott as noted above.

## 5. Publications.

## (a) Books and monographs.

IRION, FREDERICK C. Selected and Annotated Bibliography on Politics in New Mexico (Fourth edition; Santa Fe: Legislative Council Service of the State of New Mexico, February, 1959). 117 pp. Typescript reproduced by some photo-offset means.

IRION, FREDERICK C. Editor, New Mexico and Its Natural Resources (Albuquerque: Division of Government Research of the University of New Mexico, 1959). 67 pp. This is "a report of a public policies conference, 'Projections Relating the Natural Resources Industries of New Mexico to the State and Federal Economies,' sponsored by the New Mexico Legislative Council, Santa Fe, August 16, 1958.

## (b) Articles.

IRION, FREDERICK C. "The Metropolitan Problems in New Mexico," in John M. Claunch (editor), The Problem of Government in Metropolitan Areas (Dallas: The Arnold Foundation, Southern Methodist University, 1958), pp 30-34.

IRION, FREDERICK C. "Initial American Reaction to the First Russian Satellite," Proceedings of the Southwestern Sociological Society (vol. 7; 1958), pp. 62-70.

IRION, FREDERICK C. "Bibliography of New Mexico Politics," Western Political Quarterly, Supplement, (vol. XI, no. 4; December, 1958), pp. 77-109.

IRION, FREDERICK C. "The 1956 Election in New Mexico," in Frank H. Jonas (editor), Western Politics and the 1956 Elections (Salt Lake City: Research Monograph No. 2 of the Institute of Government of the University of Utah, 1957), pp. 62-68. Not previously reported in the "Biographical Record." This article was originally published in the Western Political Quarterly.

## 5. Publications

### (b) Articles. (Continued)

IRION, FREDERICK C. "The 1958 Election in New Mexico," The Western Political Quarterly (Vol. XII, No. 1, Part 2, March, 1959), pp. 322-327.

IRION, FREDERICK C. Accepted for publication prior to June 1, 1959, (but not yet received), "The Good American: A General Theory of Social Organization," by the Proceedings of the Southwestern Sociological Society.

JUDAH, CHARLES B. "New Mexico's Legislature," New Mexico Quarterly Review, (Vol. XXVII, No. 4), pp. 267-275.

MCMURRAY, HOWARD J. "The Responsible Majority - Some Reflections on Political Parties," The Western Political Quarterly Vol. XI, No. 2, June 1958, pp 175-182

JORRIN, MIGUEL. Articles on "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 Year Book. (1959)

## 6. Completed research projects.

No research projects completed.

## 7. Outside sponsored research.

None.

## 8. Other professional activities.

Charles B. Judah served on the Editorial Board of The Western Political Quarterly.

Howard J. McMurray served as a member of the Advisory Board on Departmental Reorganization for the City of Albuquerque. He also delivered the lecture "Congress and the President" for the Eleventh Annual Pi Sigma Alpha activities at the University of Utah, February 16, 1959.

9. Activities in learned and professional societies.

Dorothy I. Cline served as the Vice President of the Albuquerque Chapter of the American Society of Public Administration. She was also the Program Chairman of the Recreation Section of the American Association of Health, Physical Education, and Recreation, in which she participated in annual conference on two panels, and chaired two meetings.

Frederick C. Irion was a panel participant at the eighth annual New Mexico Conference on Social Welfare, October 8, 1958, Albuquerque. He was elected to executive committee of Pi Sigma Alpha, the National Political Science Honor Society. He was appointed representative of the Southwestern Sociological Society. Professor Irion read a paper at the annual meeting of the Southwestern Social Science Association, Galveston, Texas, April, 1959.

Howard J. McMurray is a member of the National Advisory Committee of the American Society for Public Administration. He is also a member of the Committee on Research in Western Politics of the Western Political Science Association, and delivered a paper, "The Professor in Politics" at the meeting of the Association in Seattle, March 28, 1959.



## 9. Activities in learned and professional societies. (Continued)

Miguel Jorrrin read a paper on "Non-intervention in Theory and Practice" for the Sixth Annual Meeting of the Rocky Mountain Council on Latin American Studies.

## 10. Important study and travel.

None.

## 11. Gifts.

None.

## THE REPORT OF THE DEPARTMENT OF HISTORY

July 1, 1958 - June 30, 1959

Edwin Lieuwen, Chairman

I. Significant Achievements During the Academic Year 1958-59a. Departmental Organization:

1. Associate Professor William M. Dabney granted sabbatical leave 1958-59.
2. Frederick Bohme appointed Visiting Lecturer (one-half time basis) during Professor Dabney's absence.
3. One additional graduate assistant hired - present total is 8.
4. Associate Professors John E. Longhurst and George W. Smith promoted to full Professor - Effective July 1, 1959.
5. Professor Josiah Russell granted sabbatical leave for 1959-60.

b. Changes in Course Offerings:

1. Changes: History of England, formerly 71-72, changed to upper division course (133-134).  
History of Modern Russia, formerly 85, changed to upper division course (148)
2. Additions: Modern and Contemporary Latin America (164)  
History of Brazil (166)  
Seminar in Ibero-American Studies (204)

History of Soviet Russia (149)

History of China and Japan (157)

The Far East in the Modern World (158)

3. Deletions: The A.B.C. Powers in Recent Times (163)

4. Expansion of Ph.D. Program: Inter-Departmental (History-Modern Languages) Ph.D. degree in Ibero-American Studies approved.

2. Significant Plans and Recommendations for the Near Future:

- a. Increase in Secretarial Assistance: Increased departmental size and business will necessitate full-time secretarial assistance by 1960-61. (Secretary is now on a half-time basis and will be increased to three-fourths time in 1959-60).
- b. Hiring of Readers: Paper grading chores of staff in large upper division courses have become too burdensome. An immediate appropriation of funds to hire graduate student readers should be made.
- c. Need for Equipment Funds: The department now suffers from a severe map shortage, a complete lack of summer cooling equipment (both fans and air conditioners), and dilapidated office equipment.

3. Appointments to Staff

- a. Henry J. Tobias of Elmira College hired as Assistant Professor of Russian and Far Eastern History. Appointment to become effective September 1, 1959.
- b. Assistant Professor Hugh Graham of Modern Languages to teach one-half time in History during Professor Russell's sabbatical.

#### 4. Separations from Staff

None

#### 5. Publications

##### (a) Books and Monographs

1. SCHOLLES, F. V. Sobre el modo de tributar los indios de Nueva España a Su Majestad, 1561-1564. Mexico, 1958, (Docs. para la historia del Mexico Colonial, V) with E. B. Adams.

##### (b) Articles

1. DABNEY, W. M. "Drayton and Laurens in the Continental Congress" The South Carolina Historical Magazine, LX (April, 1959), 74-82.
2. LIEUWEN, EDWIN "Curbing Militarism in Mexico" in New Mexico Historical Review, Oct. 1958, pp. 257-276.
3. LONGHURST, J. E. "Luther in Spain, 1520-1540" Published in Proceedings of the American Philosophical Society, vol. 103, no. 1, pp. 66-93.
4. LONGHURST, J. E. "Fetishism on the University Campus" (Published in Eleusis of Chi Omega, vol. LXI, no. 1, pp. 32-36.)
5. REEVE, F. D. "Navaho-Spanish Wars 1680-1720," New Mexico Historical Review, 33:205-231 (July, 1958).
6. REEVE, F. D. "The Navaho-Spanish Peace 1720's-1770's," Ibid., 34:9-40 (January, 1959).
7. REEVE, F. D. "New Mexico," Britannica Book of the Year 1959, World Book Encyclopedia, and The Americana Annual.
8. SMITH, G. W. "The Squibb Laboratory in 1863," Journal of the History of Medicine and Allied Sciences, Vol. 13 (July, 1958), pp. 382-394.

##### (c) Reviews.

1. DABNEY, WILLIAM The Texan-Santa Fe Pioneers by Noel M. Joomis in Montana: The Magazine of Western History, IX, 69.
2. LIEUWEN, EDWIN Ripoy, "Globe and Hemisphere" in Hispanic American Historical Review, May, 1959.
3. LIEUWEN, EDWIN Gonzalez Miranda, "Estudios Acerea del Regimen Legal del Petroleo en Venezuela" in Hispanic American Historical Review, May, 1959.

(d) Comment.

1. LIEUWEN, EDWIN "Comment" on Salera's Venezuelan Oil: Facts, Fancies and Misinterpretations," in Inter-American Economic Affairs, Summer 1958, pp. 90-92.

6. (a) Completed Research Projects

1. LIEUWEN, EDWIN Completed manuscript on Arms and Politics in Latin America - accepted by Praeger for publication by August, 1959.
2. LONGHURST, J. E. "Julian Hernández, Protestant Martyr" (Accepted for publication in Bibliothèque d'humanisme et Renaissance, Geneva).
3. LONGHURST, J. E. "The History of a Legend" (Accepted for publication in Michigan Alumnus Quarterly Review, Ann Arbor)
4. RUSSELL, J. C. "Gratian, Irnerius and the Early Schools of Bologna," accepted by the Mississippi Quarterly.
5. RUSSELL, J. C. "The Development of the Legend of Peter of Pontefract," accepted by Medievalia et Humanistica.
6. SMITH, G. W. "Public Education in Chicago During the Civil War"

(b) Research in Progress

1. DABNEY, W. M. Research on 18th century American history at various libraries in United States and Great Britain.
2. LIEUWEN, EDWIN. Began research on Venezuela volume in Royal Institute of International Affairs' Latin America series. Book now about 35 percent complete. Publication scheduled for 1960.
3. LONGHURST, J. E. Currently working on a comparative study of Hobbes and Rousseau, and the implications of their political philosophies with reference to the principles of democracy.
4. SACKS, BENJAMIN Currently working on phases of South African history between 1902-1914.
5. SCHOLES, FRANCE V. Continuing research on various projects -- history of Colonial Mexico.

## 7. Outside Sponsored Research

1. LIEUWEN, EDWIN Council on Foreign Relations - Research Fellow - Summer, 1958.
2. LIEUWEN, EDWIN Senate Foreign Relations Committee, Research contract to write paper on "Post World War II Political Developments in Latin America" - Mar. 18-Sept. 18, 1959 (1/4 time).
3. REEVE, FRANK D. Consultant, Justice Department, Navaho Indian Land Claim.

## 8. Other Professional Activities (Outside the University)

1. DABNEY, W. M. Lectures to various groups in northern England and Scotland on aspects of American history, government and society; to units of the Royal Air Force and Army; to civic groups and adult education classes.
2. REEVE, FRANK D. Chairman, New Mexico State Committee, Butterfield Overland Centennial. Member New Mexico State Committee, National Cowboy Hall of Fame and Museum
3. SACKS, BENJAMIN Speech on Berlin and the German Problem Today at Sandia Base Women's Group, May 28, 1959.

## 9. Activities in Learned and Professional Societies

1. DABNEY, W. M. The reading of two papers at the annual meeting of the British Association of American Studies, meeting at University College, Oxford, in April, 1959: 1) "The South Carolina Back Country, 1775"; 2) "Changing Interpretations of Early American History."
2. LIEUWEN, EDWIN On Program Committee for Rocky Mountain Council on Latin American Studies. Attended A.H.A. meetings in Washington, D.C. Read paper on "Military Aspects of Mutual Security" at Rocky Mountain Council on Latin American Studies, Albuquerque, April 17, 1958.
3. LONCHURST, J. E. Delegate from UNM to annual meeting of the Association for Higher Education in Chicago, Feb., 1959.
4. RUSSELL, J. C. Read paper on medieval climate at Pacific Coast Branch, A.H.A., Whittier, December, 1958. Attended meeting of Mediaeval Academy of America as council member, April 1959 and meeting of A.A.U.P. at Pittsburgh, April, 1959.
5. SACKS, BENJAMIN Participated as member of Council of Pacific Coast Branch of American Historical Association at annual meeting, Dec. 28-30, 1958, Whittier, Calif.
6. SMITH, G. W. Membership Committee of the Mississippi Valley Historical Association. Correspondence for the Committee on new memberships in New Mexico and Colorado.

10. Important Travel and Study

1. DABNEY, W. M. Visited the New York Public Library, The Library of Congress, the National Archives, Washington; The National Library, Edinburgh; Library of the University of Edinburgh; The British Museum, London.
2. LIEUWEN, EDWIN Summer, 1958 - Bancroft Library, Berkeley, Calif.; December, 1958 - Council on Foreign Relations, New York; Christmas Holidays 1958-59 - Library of Congress and AHA meetings, Washington; March, 1958 - Library of Congress and Department of State, Washington, D.C.
3. LONGHURST, J. E. Attended conference of the Association for Higher Education, Chicago, March, 1959. Visited the University of Michigan and the University of Kansas to inspect their Honors programs, March, 1959.
4. RUSSELL, J. C. Visited Harvard University Library, New York Public Library, and Library of Congress, August and September, 1958. Visited University of Toronto Library, New York Public Library, and Princeton University Library, April 18-22, 1959.

The Report of the School of Inter-American Affairs  
July 1, 1958 - June 30, 1959  
Miguel Jorrrin, Director

1. Significant achievements during the academic year, 1958-59.

By faculty action, a new major in Western European Studies was created. This program is quite similar to the old Inter-American Affairs curriculum, but the language requirements are French and German or Russian. The courses in the social sciences emphasize Western Europe and international affairs. The two programs will be under a new administrative unit called Division of Foreign Studies. The old Inter-American Affairs major will continue to function as in the past. It has been strengthened by requiring Portuguese and other courses in the field of the social sciences.

Another new program leading to a Ph. D. in Ibero-American Studies was also approved by the faculty. The Director of the Division of Foreign Studies will serve as a permanent member of the committee that will supervise the new doctorate. This program was established with the help of the U.S. Department of Education under the National Defense Education Act.

Another achievement was that the School of Inter-American Affairs received a contract from the Senate Foreign Relations Committee to do research and write a report on conditions in Latin America. The study covers "Post World War II Political Developments in Latin America" and is being directed by Professor Miguel Jorrrin, and Professor Edwin Lieuwen of the Department of History. Miss Shirley Wood in 1959 was graduated from Inter-American Affairs, and has been appointed Research Assistant for Dr. Jorrrin, and Blas Brazil, History graduate student, for the Research Assistant of Dr. Lieuwen.

The School of Inter-American Affairs was the host in April for the meeting of the Rocky Mountain Council for Latin-American Studies. It was an excellent group of specialists and distinguished visitors, among them the Undersecretary of State for Puerto Rico and the U.S. Ambassador to the O.A.S.



3. Appointments to staff.

As the School of Inter-American Affairs does not have a staff, see for new appointments the reports of the Departments of History, Modern Language, and Geography.

5. Publications.

(b) Articles.

JORRIN, MIGUEL. Articles on "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 Year Book. (1959)

7. Research , outside sponsored.

Research begun on research contract with the U.S. Senate to study "Post World War II Political Developments in Latin America." The contract amounts to \$6,900.00.

10. Important study and travel.

Dr. Jorrin went twice to New York and Washington to discuss his research for the Senate. During the summer of 1959 he will be preparing this study.

The Report of the Department of Journalism  
July 1, 1958-June 30, 1959  
Keen Rafferty, Chairman

1. Significant achievements during the academic year 1958-1959.

The year saw a reduction in the cost of journalism instruction per student credit hour which is not reflected in the Comptroller's Report, the only published report on this matter. Since the Comptroller's Report follows auditors'-report methods and includes English 64 courses in English even when taught in journalism, these figures do not reflect the achievement of reduction.

The department entertained a number of foreign editors during the year. Many of these spoke before student groups, and one, Dr. Kafel, of Warsaw, was a three-day guest of the department and its classes. The visitors included Mr. Suzuki, Kyodo News Agency, Tokyo; Dr. Mieczyslaw Edward Kafel, director, Polish Press Institute, Warsaw; Jaap Boekooi, South African Press Association, Johannesburg, and Ahmed Zamiraddin, political and diplomatic editor, "Dawn," Karachi.

The department completed, during the second semester, a complex report on its curriculum, students, and alumni, for study by the accrediting committee of the Association for Education in Journalism, preparatory to a visit in the coming academic year. A committee team will visit the University's department with a view to determining whether it should be re-accredited. Initial accrediting was in the spring of 1955.

The department in 1958 became a member of the American Association of Schools and Departments of Journalism, a select group.

2. Significant plans and recommendations for the near future.

The visit of an accreditation team in March, 1960, is of importance. The team will be composed of Professor Baskett Mosse of the Medill School of

Journalism, Northwestern University; Dean Burton Marvin of the William Allen White School of Journalism, University of Kansas; and Howard B. Taylor of the San Diego Union.

There is demand among journalism and other students for restoration of the course in advertising copywriting and layout. Consideration might be given to eventual employment of a man capable of teaching this course.

3. Appointments to staff.

None

4. Separations from staff.

None

5. Publications.

(a) Books and monographs.

RAFFERTY, KEEN. Contract signed with Pitman Publishing Company as one of co-authors of textbook, Introduction to Journalism.

(b) Articles.

RAFFERTY, KEEN. "Mama, Stay Away from My Door," AAUP Bulletin, June, 1958, 439-443 (actually published July, 1958) Articles "One Mencken to Another," and "Mama, Stay Away from My Door," selected for re-publication in Best Short Stories and Articles, Indiana University.

(c) Reviews.

RAFFERTY, KEEN. Seen Any Good Movies Lately, By William K. Zinsser for Journalism Quarterly?

6. Completed research projects.

No pure research

7. Outside-sponsored research.

None.

8. Other professional activities.

1. Annual high school Journalism Day (Fall, 1958) with newspaper and yearbook sections, nine professional speakers or panelists, and luncheon as guests of Albuquerque Journal. About 225 attended, three times the number attending in previous years.
2. Advisors, High School Journalism Section, New Mexico Education Association, University of New Mexico, Fall, 1958.

3. RAFFERTY, attendance and address at annual meeting of New Mexico High school press Association, Las Vegas, New Mexico, Spring, 1959.
4. Exhibit of 42 editorial-cartoon originals of Denver Post Cartoonist in Journalism newsroom.
5. RAFFERTY, judge, Sigma Delta Chi editorial award, Nevada State Press Association, March, 1959.
6. RAFFERTY, judge, Scripps-Moward Spelling Bee, New Mexico. May, 1959.
7. RAFFERTY, judge, 72 entries, New Mexico Press Women's contests, February, 1959.
8. JERMAIN, RAFFERTY, judges, Wyoming Press Association front page makeup, January, 1959.
9. JERMAIN, RAFFERTY, judges, Texas Press Women's contests, January, 1959.
10. JERMAIN, RAFFERTY, judges, Theta Sigma Phi Alumnae publicity contests, April, 1959.
11. RAFFERTY, Member, Accreditation Visitors, Brigham Young University, November, 1958.
12. JERMAIN, sponsor, annual Newsprint Ball, April, 1959.
13. RAFFERTY, speaker, Career Day, Valley High School, March, 1959.
14. RAFFERTY, speaker, Career Day, Ernie Pyle School, March, 1959.
15. RAFFERTY, Critique of U. S. Air Force newspaper, Kirtland Field, November, 1958.
16. JERMAIN, Homecoming reception, Journalism alumni, November, 1958.

#### 9. Activities in learned and professional societies.

JERMAIN, LEONARD. Association for Education in Journalism, Sigma Delta Chi, National; Sigma Delta Chi, New Mexico; Advisor, undergraduate chapter, Sigma Delta Chi.

RAFFERTY, KEEN. Association for Education in Journalism, American Council on Education for Journalism, New Mexico Press Association, Sigma Delta Chi National and State, New Mexico Education Association, New Mexico High School Press Association.

#### 10. Important study and travel.

None.

#### 11. Gifts.

The department received from the Albuquerque Journal a student assistance fund of \$1000, to be used for small gifts to students in need of funds to enable them to continue their class work properly. As of June 1, 1959, \$483.81 of this had been paid out to students. The department is to make a report in August, 1959 to the Albuquerque Journal as to the use of the fund, and at that time it is expected that the fund will be moved back up to

\$1000 for the new academic year.

During the year the department received a gift of \$100 from the New Mexico alumnae of Theta Sigma Phi, which was used as a scholarship for two outstanding woman journalism majors, Miss Marlys Bright and Miss Constance Murphy, both of whom this spring were otherwise honored by election to Mortarboard.

THE REPORT OF THE DEPARTMENT  
OF  
MATHEMATICS AND ASTRONOMY  
July 1, 1958 - June 30, 1959  
Morris S. Hendrickson, Chairman

For the first time in many years the Department of Mathematics and Astronomy showed a decrease in enrollment. A total of 15,135 student credit hours were taught this year, as compared with 15,410 in 1957-58. The drop is partially attributable to the lower enrollments in astronomy caused by Professor LaPaz being on leave and to an unexplained drop of enrollment at Los Alamos and Holloman.

1. SIGNIFICANT ACHIEVEMENTS DURING 1958-59.

Several new graduate courses were added this year to take care of the needs of students working on the Ph.Degree. These were

|     |                                  |
|-----|----------------------------------|
| 184 | Special Functions                |
| 291 | Seminar in Analysis              |
| 292 | Seminar in Algebra               |
| 293 | Seminar in Geometry and Topology |
| 294 | Seminar in Applied Mathematics   |

The upper division geometry offerings were overhauled, and a new year course 125-126, Introduction to Higher Geometry, was introduced to replace three one semester courses previously offered.

Professor <sup>H</sup>endrickson received a grant from NSF for an In-Service Institute for high school teachers. During Semester I, 18 were enrolled in this course, and 15 returned for the second semester. A new course, 123-124, Foundations of Secondary Mathematics, was introduced to take care of the Institute program.

The Department also received an NSF grant for a Summer Institute for high school teachers. Dr. Gentry will direct this institute, and 50 participants are expected. Two new courses, Math 60, Introduction

to Applications of Mathematics, and Math 102, Fundamental Concepts of Analysis, were added to handle this Institute.

Dr. Hendrickson was made Assistant Director of an Academic year Institute for high school science teachers under an NSF grant for 1959-60.

The Department now has approximately 10 students admitted to the Ph.D program. None of these is very close to the degree as yet, however.

Dr. Lewis continued his TV courses this year, giving Math 2 the first semester and Math 15 the second. The Kinescopes which were made last year turned out to be so poor they are not usable. The Department plans to withdraw from the TV program in the future until the equipment is sufficiently good to guarantee good Kinescopes.

Requirements for the major were changed again. It was found that only about one third of the majors were capable of completing the major we had set up. As a result, three separate plans for a major were set up; one for students planning to go to graduate school, which is identical to the former major, one for prospective high school teachers, and one for students not planning to teach and not planning graduate work in mathematics. The latter curriculum concentrates more on applications than on theory.

## 2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

Plans are under way for the formation of an Institute of Mathematical Studies at the University. Such an institute would enable the University to secure a great deal of contract research and in a short time should become virtually self-supporting. It would enable the University to attract outstanding mathematicians and would enormously enhance its prestige. It would give the Mathematics Department a

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tremendous boost and would enable the graduate program to be greatly expanded. Such an institute would provide support for many graduate students as research assistants, thus furthering the graduate program still more.

It is the belief of those members of the Department directly interested in such an institute that only thru some such organization can the University attract and keep the kind of mathematicians it ought to have. We lost one of our best men this year, whom we could have kept if the Institute had been functioning. We failed to get a replacement we could have secured through such an institute. With our fortunate location in the center of so much government activity involving advanced mathematics we would be performing a significant public service by establishing such an institute.

We are still unsatisfied with our lower division offerings, and have appointed a committee to go into the problem in great detail. It will be the job of this committee to decide just what topics should be in the lower division courses in order that they shall serve their primary purposes of giving the student an idea of just what mathematics is about and of preparing him to handle the upper division courses.

We are also investigating the feasibility of teaching the freshman courses through the use of locally produced motion pictures.

Because of previous and new losses to the Department we are badly in need of several additions to the staff. Our most pressing needs are for a statistician, a numerical analyst, an analyst, and a geometer. About the only field in which we have an adequate staff is algebra.



## 3. ADDITIONS TO STAFF

- (a) Dr. G. M. Wing. Appointed Associate Professor of Mathematics, September, 1958. Dr. Wing has a Ph.D from Cornell and has been at Los Alamos for the past several years.
- (b) Dr. Harry Burkill. Exchange professor from the University of Sheffield, who is trading jobs with A. V. Martin.
- (c) Mrs. Frederica Vook. Appointed Instructor in Mathematics in February, 1959, as a replacement for Mrs. Hermes. Mrs. Vook has a Master's Degree from Harvard.

## 4. SEPARATIONS FROM STAFF

- (a) G. M. Wing, effective July 1, 1959
- (b) Frederica Vook, effective July 1, 1959
- (c) Harry Burkill, effective August 15, 1959
- (d) Gordon M. Petersen, effective July 1, 1959
- (e) Imelda Hermes, effective Feb. 1, 1959

## 5. PUBLICATIONS.

- (a) Books and monographs  
Petersen, G. M. and Perfect, H. Introduction to Group Theory, translation from the book by P. Alexandroff written in Russian. Blackie, 1959
- (b) Articles:  
Kolodner, Ignace. "On an Integral Equation Arising in the Theory of Space Charges", Sandia Corporation Report SCTM 341-58(51). October 1958.  
Mayer-Kalkschmidt, Jörg. "A Theorem on Laplace-Stieltjes Integrals", accepted by Proceedings of the American Mathematical Society, but not yet published.  
\_\_\_\_\_. "On Conditional Inclusion of Matrix Methods", accepted by Proceedings of American Mathematical Society, but not yet published.

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Petersen, Gordon. "Matrix Norms", Quarterly Journal of Mathematics, 9, (1958) 161-168

\_\_\_\_\_. "Norms of Summation Methods", Proceedings of the Cambridge Philosophical Society, vol. 54, (1958) 354-7

\_\_\_\_\_. "Well Distributed Sequences", Canadian Journal of Mathematics, vol. 10, (1958). 572-77

\_\_\_\_\_. and Keogh. "A Strengthened Form of a Theorem of Wiener", Mathematische Zeitschrift, vol. 71-1, (1959). pp 31-36

Wing, G. M.. "Transport Theory and Spectral Problems", to appear in Proceedings of the Symposium on Nuclear Reactor Theory.

Wyler, Oswald. "On Damped Free Oscillations", MRC Technical Summary Report No. 32. (July, 1958)

\_\_\_\_\_. "Two Dimensional Autonomous Systems of Differential Equations with a First Integral", MRC Technical Summary Report No. 45. (October, 1958)

#### 6. COMPLETED RESEARCH PROJECTS.

None

#### 7. OUTSIDE SPONSORED RESEARCH.

OOR. \$15,000 contract to I. I. Kolodner for work on free boundary problems. Renewed for 1959-60.

NSF. \$32,000 contract awarded for period 1957-1959. Remaining \$11,000. not used will be used by Professors Mayer-Kalkschmidt and Steger for 1959-60.

Sandia Corporation. \$1,266.43 to Professors Petersen and Burkill for work on trigonometric series for the period February, 1959 through May, 1959.

Sandia Corporation. \$7,740.00 to Professor Wyler and some graduate students to work on differential and integral equations. March 1, 1959 to August 31, 1959

## 8. OTHER PROFESSIONAL ACTIVITIES.

Professors Kolodner and Wing held consultancies at Sandia Corporation.

Professor Gentry gave an invited address before Orange County Mathematics Council (California) on "Modern Mathematics and the High School Curriculum."

Professor Kolodner gave a series of lectures to Sandia personnel on "Asymptotic Expansions", a colloquium lecture at NMSU on "Use of Ordering in Analysis", and two lectures to White Sands personnel on "Free Boundary Problems".

## 9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

## (a) Meetings Attended.

Burkill, Harry. SW Section MAA, Tempe, April 1959.

Hendrickson, M. S. SW Section MAA, Tempe, April, 1959.

Special meeting at NMSU with college and high school teachers of mathematics to discuss secondary school problems.

Kolodner, I. I. 557th Meeting AMS, New York, April, 1959.

Lewis, J. V. SW Section MAA, Tempe, April, 1959.

Conference for Directors and Lecturers in Summer Institutes in Mathematics, Palo Alto, California, May, 1959.

Mayer-Kalkschmidt, J. SW Section MAA, Tempe, April, 1959.

Petersen, G. M.. Annual meeting AMS, Philadelphia, January, 1959. SW Section MAA, Tempe, April, 1959.

Scheer, Richard. NM Philosophical Association., April, 1959.

Wing, G. M. Symposium on Nuclear Reactor Theory, New York, April, 1959.

Wyler, Oswald. SW Section MAA, Tempe, April, 1959.

## (b) Papers Read.

Kolodner, I. I.. "On the Non-Linear Diffusion Equation", AMS, New York, April, 1959.

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Mayer-Kalkschmidt, J. "On Ideals in Partially Ordered Groups", MAA, Tempe, April, 1959.

Petersen, G. M. "L-Regular Matrices", AMS, Philadelphia, January, 1959. "Distribution of Sequences", MAA, Tempe, April, 1959.

Scheer, R. K.. "Sources of Dissatisfaction with Ordinary Language", NM Philosophical Association, April, 1959.

Wing, G. M. "Transport Theory and Spectral Problems", Symposium on Nuclear Reactor Theory, New York, April, 1959.

Wyler, Oswald. "On Generalized Damped Free Oscillations, MAA, Tempe, April, 1959.

10. IMPORTANT STUDY AND TRAVEL.

Instructors Entringer, Carr, Stumpff and Scheer took course work at UNM toward advanced degree.

11. GIFTS.

None.

The Report of the  
Department of Modern and Classical Languages  
July 1, 1958 - June 30, 1959

R. M. Duncan, Chairman

1. Significant achievements

The energies of the Department have been diverted in considerable measure to planning for programs authorized by the National Defense Education Act, signed by President Eisenhower on September 2, 1958.

Early in December, interested members of the Department held a meeting to which were invited Professors Scholes, Jorrín and Lieuwen to discuss the preparation of a program leading to the Ph.D. in Ibero-American Studies. Such a program was drawn up, based on a proposal of some years ago, and submitted jointly by the Departments of History and of Modern and Classical Languages to the Academic Vice-President, who in turn forwarded it to the U. S. Office of Education for approval under Title IV of the National Defense Education Act.

The Ph.D. in Ibero-American Studies is administered by a committee of six, three nominated by the History Department and three by the Department of Modern and Classical Languages. Dr. Lieuwen assumed the chairmanship of the committee for the initial stages, after which Professor Lopes will take over the chairmanship. (The chairman is

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named by the Dean of the Graduate School.) Other members of the committee are Dr. Nason, Dr. Ulibarrí, Professor Jorrín and Professor Scholes.

The Ph.D. in Ibero-American Studies received the approval of the necessary officials, and, the funds being made available, seven graduate students will be subsidized by the federal government to begin their work towards the degree in the fall of 1959.

Another project approved by the U. S. Office of Education for subsidy under the National Defense Education Act of 1958 is the New Mexico Institute for Secondary School Teachers of Spanish, which will also begin in the fall of 1959. The Institute has a budget of \$106,000, of which \$63,270 goes for stipends to nineteen participants and their dependents. (Places will be available for three private school teachers who attend without stipend.)

A notable feature of this year's activity has been the teaching of first-year Spanish on television under the direction of Rubén Cobos. Although the program cannot be deemed very successful, we plan to continue it next year in order to make possible a continuation of the television experiment sponsored by the Ford Foundation. The Department is inclined to the view that languages, as presently taught, do not go well on television and that experimentation along the lines of Spanish on a non-credit basis is likely to produce more fruitful results than launching directly into

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teaching Spanish for credit.

The Department in cooperation with the College of Education sponsored before the Graduate Committee and the General Faculty a program leading to the Master of Arts in Teaching Spanish. The necessary approvals were obtained, and this degree will be available to public school teachers of Spanish, who will find it more useful to their work than the traditional Master of Arts degree with a major in Spanish.

2. Significant plans and recommendations for the future

The year immediately ahead will find us concerned with carrying out the projects approved by the U. S. Office of Education. We expect that the work in the Institute will shed new light on more effective ways of teaching foreign languages.

3. Appointments to staff

Mr. Arthur R. Evans was appointed as Instructor in French, to begin his duties in September, 1959.

4. Separations from staff

Dr. Françoise Gourier resigned as Assistant Professor of French as of June 30, 1959. Her presence will be missed and she carries with her the best wishes of the entire Department.

5. Publications

(a) Books and monographs.

SENDER, RAMON J. Emen Hetan. Mexico: Libro-Mex Editores, 1958. 158 pp.

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\_\_\_\_\_. El lugar de un hombre. 2d. ed., revised.  
Mexico: Ediciones CNT, 1958. 172 pp.

\_\_\_\_\_. Before Noon. London: Gollancz, 1959. 408 pp.  
(Now in third printing.)

(b) Articles.

COBOS, RUBEN. "The New Mexican Memoria or In Memoriam Poem," Western Folklore, XVIII (January, 1959), No. 1, pp. 25-30.

GRAHAM, HUGH F. "Education Abroad--USSR," Classical Journal, November 1958.

\_\_\_\_\_. "Pidruchnik Latins 'koyi Movi,'" Classical Journal, November 1958.

NASON, MARSHALL R. "Benito Lynch, ¿otro Hudson?" Revista iberoamericana. vol. XXII, No. 45 (January-June, 1958), 65-82.

SENDER, RAMON J. "Madariaga's Spain, a Modern History," Saturday Review, June 7, 1958, 13-14.

\_\_\_\_\_. "Harold Livermore's History of Spain," Saturday Review, May 23, 1959, 39-40.

\_\_\_\_\_. "Los malentendidos de la prima de Nancy," Temas, XVIII, (January 1959), 54-59.

\_\_\_\_\_. "Syllaba idílica," (sonnets), Papeles de son Armadams, XXXVI (March 1959), 305-318.

\_\_\_\_\_. "Los pequeños monstruos de Baroja," Cuadernos (Paris), XXXV (March-April 1959), 43-50.

\_\_\_\_\_. "Rome and the Monarchy," Ibérica, VI (Oct. 15, 1958), 1-7.

\_\_\_\_\_. "Un cruce de caminos," CNT (Mexico), IV (June 1958), 4.

\_\_\_\_\_. "La sociedad con la que uno sueña," CNT, IV (July 1958), 1.

\_\_\_\_\_. "Alfonso XIII y el folklore internacional," CNT, IV (July 1958), 3.

\_\_\_\_\_. "El qué y el cómo," CNT, IV (August 1958), 4.



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SENDER, RAMON J. "Los sembradores de vientos," CNT, IV (August 1958), 3.

\_\_\_\_\_. "Generalidades sobre un futuro próximo," CNT, IV, (September 1958), 3-4.

\_\_\_\_\_. "Los últimos años de Kropotkin," CNT, IV (September 1958), 3.

\_\_\_\_\_. "El Pontífice y los hijos de Leda," CNT, IV (October 1958), 1.

\_\_\_\_\_. "Libros sobre las cárceles de España," CNT, IV, 3.

\_\_\_\_\_. "Entre el pasado y el futuro," CNT, IV (December 1958), 4.

\_\_\_\_\_. "Más sobre Boris Pasternak," CNT, IV (December 1958), 3.

\_\_\_\_\_. "La prudencia y las maneras de morir," CNT, V (February 1959), 1.

\_\_\_\_\_. "Un nuevo escritor español," CNT, V (February 1959), 3.

\_\_\_\_\_. "¿Por qué no? Una joven España," CNT, V (March 1959), 1.

\_\_\_\_\_. "A propósito de la epidemia de moda," CNT, V (April 1959), 1.

\_\_\_\_\_. Forty-seven articles published in the literary supplements of 64 newspapers in Latin America, Portugal (including colonies in Africa and India) and Spain between June 1958 and June 1959.

### (c) Reviews

LOPES, ALBERT R. Review of Joaquim Viera da Luz, "Fran Paxeco e as figuras maranhenses," Hispanic American Historical Review, 1958.

\_\_\_\_\_. Review of Antônio José da Silva, "Obras completas," Books Abroad, summer 1958.

\_\_\_\_\_. Review of Maria Leonor Calixto, "A Literatura 'negra' ou 'de Terror' en Portugal nos Séculos XVIII e XIX," Books Abroad, winter 1959.

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MacCURDY, RAYMOND R. Review of A. Valbuena Prat, "Historia del teatro español," Symposium, XII (1958), 206-211.

(d) Manuals.

COBOS, RUBEN. Television class manuals for Spanish 1 and 2: teacher's manuals, vols. I and II; student's manuals, vols. I and II.

DUNCAN, R. M. and MARSHALL R. NASON. Planning a Language Laboratory (dittoed pamphlet).

6. Completed research projects

DeJONGH, W. F. J. "La Rochefoucauld and La Princesse de Clèves," accepted for publication by Symposium.

GRAHAM, HUGH F. "A New Manuscript of the Tale of Devgenii" (revised), accepted for publication by Harvard Slavic Studies.

\_\_\_\_\_. "Drevniaia Gretsia-Kniga dlya Chtenlia," accepted for publication by Classical Journal.

\_\_\_\_\_. "Ivan P. Kotliarevskii, the Ukrainian Vergil," accepted for publication by Vergilius.

MacCURDY, RAYMOND R. Review of Albert Sloman, "The Dramatic Craftsmanship of Calderón," accepted for publication by Symposium.

SENDER, RAMON J. "Graziella and the Crows," a play in three acts, accepted for Broadway production by Zachary Scott and Ruth Ford, 1959.

7. Outside-sponsored research.

None.

8. Other professional activities.

COBOS, RUBEN. Assistant Professor of Spanish at Stanford University, summer session 1958.

KERCHEVILLE, F. M. Consultant on teaching of Spanish to NMEA. Visiting Professor, Universidad de Guadalajara, summer 1958.

McKENZIE, D. A. Translation from Russian of numerous articles of recent date on astronomy, geophysics, and satellite research for International Physical Index. Also

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translation from Russian for the Lovelace Foundation for Medical Education and Research.

NASON, MARSHALL R. "Focus on Latin America," April 16, 1959, KNME-TV.

SENDER, FLORENCE. Translation of Ramón Sender's articles in Saturday Review, etc. Translation of Ramón Sender's three-act play, "Graziella and the Crows."

SENDER, RAMON J. Member, Advisory Board of Hispanic Society of America.

ULIBARRI, SABINE. Principal speaker at National Convention of Anti-discrimination Commissions, Denver, Colorado, June 1958: "Differences and Similarities between the Spanish-Mexican and Anglo-Saxon Cultures."

#### 9. Activities in learned and professional societies

DUNCAN, R. M. Chairman of discussion group on Title VI of the National Defense Education Act at meeting in Denver, Colorado, called by the Regional Office of the Department of Health, Education and Welfare to inform college representatives of the operation of the National Defense Education Act.

GRAHAM, HUGH F. Paper read at December, 1958, meeting of the American Philological Association: "Ivan P. Kotliarevskii, the Ukrainian Vergil." (Cincinnati, Ohio)

MacCURDY, RAYMOND R. Elected third vice-president of the American Association of Teachers of Spanish and Portuguese.--Appointed National Coordinator of the American Association of Teachers of Spanish and Portuguese for the implementation of the National Defense Education Act.--Chairman, Advisory and Nominating Committee of Spanish Group IV, Modern Language Association.--Appointed member, Advisory Committee of the Modern Language Association Foreign Language Program.

NASON, MARSHALL R. Program director, Sixth Regional Conference, Rocky Mountain Council for Latin American Studies, held at the University of New Mexico, April 1959.--Elected second National Vice-President, Phi Sigma Iota (Romance language honorary society).

ULIBARRI, SABINE. Paper read at October, 1958, meeting of Phi Sigma Iota: "Sor Juana Inés, la mujer."

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10. Important study and travel

DUNCAN, R. M. As guest of the Secretary of the Navy, took cruise on U.S.S. RANGER from Norfolk (June 19, 1958) to San Francisco (August 22, 1958) via Cape Horn. Left ship at Rio de Janeiro to visit Montevideo, Buenos Aires and Santiago. Rejoined ship at Valparaíso to Lima and Acapulco before return to the United States.

ULIBARRI, SABINE. Completed the Ph.D. degree at the University of California in Los Angeles, January 1959. Dissertation: "Inner Logic in the Poetry of Juan Ramón Jiménez."

11. Gifts

None.

The Report of the Department of Philosophy  
 July 1, 1958 - June 30, 1959  
 H. G. Alexander, Chairman

1. Significant Achievements.

New Offerings. The Department has moved into a type of offering normally expected in larger departments of philosophy, namely courses in special philosophers of schools of philosophy. In this category, a course in Plato and a course in British Empiricism have been added. A course in Logical Theory has also been added as a specialty of Professor Evans. These additions will be offered alternately with other courses, and are made without expectation of staff increase except for the use of Professor Evans' service full-time.

Two Aesthetics Institute. The annual Aesthetics Institute was offered for the second time for credit (June 15-19) with the following staff: Professors J. Glenn Gray, Chairman, Department of Philosophy, Colorado College; James S. Fulton, Chairman, Department of Philosophy, Rice Institute; A. J. Bahm, Department of Philosophy, University of New Mexico; and H. G. Alexander (Director), University of New Mexico.

Honors Program. The Department contributed to the Honors Program in offering one section of Philosophy 1-2 (Humanities) to Honors students, and in a sophomore general studies seminar offered by Professor Evans during Semester II, 1958-59.

2. Significant Plans and Recommendations.

Television Offering. The Department was asked by the Division of Television to contribute a course for television educational program. The course Philosophy 1-2 (Humanities) has been proposed for this purpose and accepted by the Division of Television. Professor H. G. Alexander will be in charge of this program.

3. - 4. Appointments to and Separations from the Staff. None.

## 5. Publications.

### (a) Books and Monographs

BAHM, A. J. What Makes Acts Right? Boston: Christopher Publishing Co., 1958. 207pp.

BAHM, A. J. Philosophy of the Buddha. New York: Harper and Bros., 1958. 175pp.

BAHM, A. J. Types of Intuition. Accepted for publication by Univ. of New Mexico Press, Scholarly Publications Series.

EVANS, M. G. The Physical Philosophy of Aristotle. Accepted for publication by Univ. of New Mexico Press, Scholarly Publications Series.

### (b) Introductions and Republications

BAHM, A. J. "Introduction" to Singh and Schwabe, Lambdama, or Mathematics, Music, Mythology, and Metaphysics. Amritsar, India: Academy of Spiritual Culture, 1958

BAHM, A. J. excerpt from Philosophy: An Introduction reprinted in S. U. Weedon, College Remedial Reader, pp. 201-203. New York: Putnam's Sons, 1958.

### (c) Articles

BAHM, A. J. "Organistic Dialectic," Philosophy and Phenomenological Research, XVIII (June, 1958), 541-543.

BAHM, A. J. "Aesthetic Experience and Moral Experience," Journal of Philosophy, LV (Sept. 25, 1958), 837-846.

BAHM, A. J. "Does Seven-Fold Predication Equal Four-Cornered Negation. Reversed?" Philosophy East and West, VII (Oct. 1957 - Jan. 1958), 127-130. (Appeared June, 1959)

BAHM, A. J. "Matter and Spirit: Implications of the Organistic View," Philosophy and Phenomenological Research, (Accepted for publication).

BAHM, A. J. "Causes of the New Conservatism," The Colorado Quarterly (Accepted for publication).

BAHM, A. J. "The New Philosophy Names Its Enemies," The New Mexico Quarterly (Accepted for publication).

EVANS, M. G. "Newton and the Cause of Gravity," American Journal of Physics, XXVI (Dec., 1958), 619-624.

EVANS, M. G. "Inner Experience and the Causal Relation: The Philosophy of Maine de Biran," The Personalist (Accepted for publication).

EVANS, M. G. "Relativity of Simultaneity: A Critical Analysis of Its Observational Foundations," Dialectica (Accepted for publication).

## (d) Reviews.

ALEXANDER, H. G. Review of "Dianoia: Anuario de Filosofía," in Philosophy and Phenomenological Research, XIX (Dec., 1958).

BAHM, A. J. Review of Raniero Gnoli, "The Aesthetic Experience According to Abhinavagupta," in The Journal of Aesthetics and Art Criticism (Accepted for publication).

8. Other Professional Activities.

H. G. Alexander. Delegated representative of the Committee on Philosophy in Education of the American Philosophical Association to present a report of the committee work to the meeting of the Pacific Division of the Association at University of Oregon, Dec. 1958. Continued as member of the Committee and of its Subcommittee on Graduate Study.

Delegated one of two representatives of the American Philosophical Association to attend the Sixth Inter-American Congress of Philosophy at Buenos Aires, August-Sept. 1959.

Selected to assist in a project to translate the Ferrater-Mora Diccionario de Filosofía into English.

Served as Secretary-Treasurer of the Mountain-Plains Philosophical Conference and arranged the annual meeting on the campus of the University of New Mexico, October 16-18, 1958.

Served as Secretary of the New Mexico Philosophical Society and organized annual meeting at the Univ. of New Mexico, April, 1959. Also supervised the annual high school essay contest sponsored by the Society, granting one-year tuition scholarship to the winner to attend any of the state institutions of higher education.

Talked to Los Alamos Unitarian Fellowship, Jan., 1959

Member: Tidal Wave Committee, University of New Mexico.

A. J. Bahm. Served as local sponsor for five-day visit under the auspices of the U. S. State Department for party of Burmese Buddhist monks and Univ. of Rangoon lecturer in the Pali Department, April 12-16, 1959. Served as chairman

of open discussion and talk by Buddhist visitors, April 15.

Served as sponsor for Jefferson Club and Bahai Club.

Chairman, Albuquerque Chapter of AAUN Policy Committee.

Read paper on "Kinds of Tension in Polarity" at Southwest Philosophical Society meeting, Austin, Texas, December, 1958.

Gave talks to Wesley Foundation (Nov, 1958) on "The Problem of Evil," and "The Nature of Values."

Addressed Jefferson Club (Jan., 1959) on "Taoism"; the Lydian Guild (Jan., 1959) on "The Philosophy of Gotama"; and the First Methodist Church (Feb., 1959) on "Buddhism."

M. G. Evans. Served as Chairman, A & S College Committee on Graduation Requirements.

Member: University Curricula Committee.

#### 9. Gifts.

The Philosophy Department Fund received an increment of \$63.81.

The Order of Ahepa Lodge #174 awarded money for a standing scholarship of \$125 per semester for the outstanding major in the Department of Philosophy.

Dr. John A. Stephens of Santa Barbara, California, donated \$150 for tuition and expense scholarships for the 1959 Taos Aesthetics Institute.



The Report of the Department of Physics

July 1, 1958 - June 30, 1959

Christopher P. Leavitt, Acting Chairman

1. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1958-59

a) Degrees Granted

The Department is graduating four students with Bachelor of Science degrees and eight students with Master of Science degrees, including the Los Alamos students.

b) Enrollment

During Semesters I and II, 1958-59 the Department of Physics taught a total of 4,632 student credit hours, an increase of 165 student credit hours over last year's figure.

The Department had a total of 72 graduate students, including those at Los Alamos and Holloman enrolled in Semester I, 1958-59 and 70 in Semester II, 1958-59.

c) Changes in Curriculum

The new sequence of general physics courses comprising Physics 60, 61 and 62 together with the laboratory courses 63L and 64L was carried through a complete cycle for the first time. All five courses will be offered every semester from now on.

A new course on the graduate level, Physics 240, Advanced Nuclear Physics, received the necessary approval and will be offered for the first time in the fall of 1959. This course will meet an important need in the graduate curriculum in the field of nuclear physics. It is the first in a series of courses planned which will widen and strengthen the graduate curriculum.

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Two new courses specifically designed for high school teachers in connection with the Academic Year Institute sponsored by the National Science Foundation and the new master's degree in education have been initiated and approved. These courses, Physics 153L and 154L, Physics for Secondary School Teachers, will be given for the first time in the academic year 1959-60.

d) Space and Equipment

The special building to house the equipment of Dr. Green's cosmic ray air shower experiment under an Air Force contract was completed in the spring of 1958. The equipment has been installed and is operating.

The Department received on loan from Sandia Corporation a large quantity of surplus electronic equipment, much of which has proved of use in the research and teaching activities of the Department.

A low inductance high voltage condenser and other valuable pieces of equipment have been loaned to the Department by Los Alamos Scientific Laboratory, for use in the work of Dr. Katzenstein sponsored by the National Science Foundation.

A total of \$10,000 granted to the Department from University funds has been used to purchase much needed equipment for the Sophomore Physics Laboratories.

e) Capillo Peak Observatory

The Capillo Peak Observatory in the Montano Mountains was in use during this period in connection with an experiment

on the Zodiacal light. A large Schmidt camera, purchased under a Research Corporation grant, is being used at Capillo for Ph.D. dissertation research.

f) Summer Institute for High School Teachers

In the summer of 1958 the Department again contributed to the program of the Summer Institute for High School Teachers sponsored by the National Science Foundation and the Atomic Energy Commission by offering Physics 115, Atomic and Nuclear Physics and Physics 7L, Elementary Electronics. Dr. Philip A. Macklin, of Miami University in Ohio came to the University to take charge of these courses. The Physics Department contributed the services of its technician, Mr. McLean and a graduate student, Mr. Scheie, in connection with the laboratory work.

Another Summer Institute has been scheduled for the Summer of 1959. Dr. Macklin again will be in charge of the instruction in physics in this program.

g) Academic Year Institute for High School Teachers

The Department will participate in the Academic Year Institute sponsored by the National Science Foundation in the Academic Year 1959-60 by offering two special courses 153L and 154L, Physics for Secondary School Teachers. The Department has worked in cooperation with the School of Education and the other science departments in the selection of participants and formulation of policy.

h) Continental Classroom Television Course

The National Broadcasting Company and the American

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Association of Colleges for Teacher Education collaborated in the presentation of a nation-wide program on television consisting of a series of physics lectures entitled: "Physics for the Atomic Age." The Department cooperated in this endeavor by instituting a new temporary course, Physics 152TV, designed to permit the taking of this course for graduate credit in the School of Education. Mr. James Barcus was appointed Local Coordinator.

i) Cooperation with Outside Organizations

1. Los Alamos Scientific Laboratory Faculty members taught three courses each semester at Los Alamos. One graduate student employed by Los Alamos spent the fall semester in residence at the University.

A field trip to permit students and staff members in the Department to visit the Laboratories of the Sherwood Project at Los Alamos was arranged for June 8, 1959.

2. Holloman Air Development Center Faculty members for the first time participated in the Holloman Graduate Program with two courses in the first semester and one course in the second semester.

3. Laboratorio de Fisica Cosmica de Chacaltaya, La Paz, Bolivia The Department has greatly strengthened its ties with this International Laboratory which is connected with the University of La Paz, through the cosmic ray research projects of Dr. Regener and Dr. Green sponsored by the International Geophysical Year and the National Science Foundation. Dr. James Kenney, who

had received the Ph.D. from this Department, is representing the Department at Chacaltaya and has been primarily responsible for carrying out the experiments.

In addition, the Director of the Laboratory, Dr. Ismael Escobar, Professor of Physics at the University of La Paz, spent the Spring Semester at the Department as Visiting Professor of Physics. His visit has contributed greatly to good relations with the Laboratory. Personnel from the Department will continue to carry on the experimental programs of the Department at Chacaltaya.

4. Massachusetts Institute of Technology - Cosmic Ray Group The Department has continued to cooperate with members of the MIT Physics Department in providing facilities for their use in setting up and operating an experiment in extensive air showers in cosmic radiation. The experiment is being carried out at Volcano Ranch west of Albuquerque.

Dr. Linsley of the Cosmic Ray Group has participated in the teaching of the Department as Visiting Lecturer.

Dr. Bruno Rossi, Head of the MIT Cosmic Ray Group and a physicist of International reputation, visited Volcano Ranch and the Department for two weeks in the Spring of 1959. During this period he gave lectures in the Graduate Seminar.

## 2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

### a) Staff Requirements

Apart from the possible demands of increased enrollment, the following factors are likely to make the present staff complement of seven members inadequate in the immediate future:

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1. Expansion of graduate program at Los Alamos and Holloman.
2. Institution of new needed graduate courses in the curriculum.
3. Increased research activity on the part of department members.
4. Participation in special programs such as the NSF Academic Year Institute and the honors programs.

On the basis of these increased demands it is desirable that the Department be increased by two members preferably in 1959-60 and at least by 1960-61. The need for graduate assistants is expected to increase to some extent also, with the result that 12 graduate assistants will probably be needed by 1960-61.

The space deficiency in the Department will probably reach the acute stage in the next two years. Aside from the increasing inconvenience and inefficiency produced by the present dispersal of laboratory facilities among three buildings, any increase in the research activities of department members and any increase in the need for office space resulting from additions to staff will produce a demand for space that cannot be met by existing facilities. Either a new building or an addition to the present building will be required to provide adequate space.

Equipment is needed for replacement of worn shop machinery and extension of shop facilities to meet the increased demands of research activities. Certain large items and a number of smaller pieces of equipment are needed for the improvement of the intermediate laboratories. Since these laboratories are an extremely important part of the curriculum, it is essential

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that they be kept up to date in their equipment and in their operation.

### 3. APPOINTMENTS TO STAFF

BARCUS, JAMES R.

Instructor (temporary) for the year 1958-59.

ESCOBAR, ISMAEL

Visiting Professor of Physics for Semester II, 1958-59.

LEAVITT, CHRISTOPHER P.

Acting Chairman of the Department for the year 1958-59.

LINSLEY, JOHN

Visiting Lecturer in Physics for Semester I, 1958-59.

### 4. SEPARATIONS FROM STAFF

None.

### 5. PUBLICATIONS

#### a. Books and Monographs

GREEN, JOHN R.

"On the Response of a Single Large Scintillator to Extensive Air Showers" AFOSR Report TN 59-450, ASTIA 215 943 (1959, May)

#### b. Articles

BREILAND, JOHN G.

"Meteorological Conditions Associated with the Development of Instability Lines", Journal of Meteorology Vol. 15, No. 3, June, 1958, pp. 297-302.

REGENER, VICTOR H.

"Automatic Recorder of Atmospheric Ozone" Advances in Chemistry Series No. 21, American Chemical Society, Washington, 1959.

#### c. Reviews

GREEN, JOHN R.

Book Review: Review of College Physics, Vol. III by R. L. Weber, American Journal of Physics, 27, 126 (1959)

### 6. SCHOLASTIC HONORS RECEIVED

REGENER, VICTOR H.

Appointed Fellow, New York Academy of Sciences

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Appointed Honorary Professor, Universidad Mayor de San Andres, La Paz, Bolivia.

# 7. COMPLETED RESEARCH PROJECTS

None

# 8. OUTSIDE SPONSORED RESEARCH

GREEN, JOHN R.

Obtained a renewal of AFOSR contract #49(638)-34 for investigation of extensive air showers of the cosmic radiation. The extension is from 1 Dec 1958 to 30 Sept 1960 and is for a further expenditure of \$43,000.

Grant for work with Dr. James Kenney, largely in the High Altitude Laboratory in Bolivia on penetrating showers in cosmic radiation.  
National Science Foundation

\$ 9,800

KATZENSTEIN, JACK

Two-year grant from the National Science Foundation for study of "Electrical Discharge Through Conductors of Small Diameter."

\$25,000

REGENER, VICTOR H.

|   |          |
|---|----------|
| Cosmic Radiation - International Geophysical Year | \$ 3,600 |
| Cosmic Radiation - National Science Foundation    | 33,900   |
| Atmospheric Ozone - U. S. Air Force               | 40,000   |
| Space Platform - Los Alamos Scientific Lab.       | 4,800    |
| Atmospheric Ozone - U. S. Weather Bureau          | 3,700    |
| Zodiacal Light - National Science Foundation      | 22,900   |

SKABELUND, DONALD

A contract with Sandia Corporation for Studies in Hydromagnetic Theory

\$ 8,000

# 9. OTHER PROFESSIONAL ACTIVITIES

LEAVITT, CHRISTOPHER P.

Judge at the Science Fair, Socorro, New Mexico, April 1959.

REGENER, VICTOR H.

Member of Study Group which met in New York, September 1958 to study needs of the Projected Institute for Atmospheric Research.

Attended International Comparison of Ozone Sondes in Arosa, Switzerland, August 1958.

Attended Comparison of Ozone Sondes in Denver, Colorado April 1959



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## 10. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

GREEN, JOHN R.

Attended meeting of American Physical Society at Washington, D.C. on April 30 and May 1, 2 of 1959. Presented a paper entitled "Measurement of Extensive Air Showers with a Single Large Scintillator" at this meeting.

KATZENSTEIN, JACK

Paper read at American Physical Society Meeting January 30, 1959 at New York entitled, "Hydromagnetic Waves in a Pinched Plasma"

Attended Conference on exploding wire phenomena held April 1, 1959 in Boston, Mass under sponsorship of Air Force Cambridge Research Center. Read paper entitled "The Pinch Effect in Exploding Wire Phenomena"

LEAVITT, CHRISTOPHER P.

Attended meeting of American Physical Society in New York, January 1959.

Attended meeting on Satellite Instrumentation for Cosmic Ray Gamma-Ray measurements at the Army Ballistic Missile Center, Huntsville, Alabama, sponsored by the National Aeronautics and Space Administration.

## 11. IMPORTANT TRAVEL AND STUDY

REGENER, VICTOR H.

Trip to the High Altitude Observatory at Chacaltaya, Bolivia, September 1958.

## 12. GIFTS

a. The Westinghouse Educational Foundation Achievement Scholarship in Physics. A stipend of \$500 awarded annually to a junior in the Department of Physics.

b. The Chemical Rubber Company Handbook Award in Physics. A current copy of the Handbook of Chemistry and Physics awarded annually to a student in General Physics.

The Report of the Department of Psychology  
 July 1, 1958 - June 30, 1959  
 Geo. M. Peterson, Chairman

2. Significant plans and recommendations for the near future:

The Department has met weekly discussing curricular revisions necessary for granting the Ph.D. degree.

3. Appointments to staff:

Dr. Robert M. Morgan, Assistant Professor; effective September 1, 1958.

4. Separations from staff:

Dr. Roger J. Weldon, Assistant Professor; effective June 30, 1958.

5. Publications:

B. Articles:

BENEDETTI, DAVID T., "A Determiner of the Centrality of a Trait in Impression Formation," Journal of Abnormal and Social Psychology (in press).

ELLIS, HENRY C., and Kreezer, C.L. "The Attention-Demand Value of Auditory Signals," WADC publication (in press).

MORGAN, ROBERT M., and Wickens, D.D., and Cross, H.A., "Response Termination of the Cue Stimulus in Instrumental Conditioning," Journal of Experimental Psychology (in press).

NORMAN, RALPH D., and Daley, M.F., "The Comparative Personality Adjustment of Superior and Inferior Readers," Journal of Educational Psychology (in press).

NORMAN, RALPH D., and Daley, M.F., "Senescent Changes in Intellectual Ability among Superior Older Women," Journal of Gerontology (in press).

PETERSON, GEO. M., and Gucker, D.K., "Factors Influencing Identification of the Handedness Area in the Cerebral Cortex of the Rat," Journal of Comparative and Physiological Psychology (in press).

C. Reviews:

MORGAN, ROBERT M. Review of G. A. Kimble, "Principles of General Psychology," Educational Research Bulletin, October, 1957, 36, 240-241.

NORMAN, RALPH D. Review of Luszki, "Interdisciplinary Team Research, Methods and Problems," Human Biology, 1959, 31, 110-111.

6. Completed research projects:

Organization of and reactions to the interdisciplinary program in the behavioral sciences supported by the AFOSR at the University of New Mexico, 1957-1958. pp. 1-66.

Principal investigator: Ralph D. Norman.

NSF grant for \$13,400 to June 1, 1959 to study neuro-physiology of behavior.

Principal investigator: Geo. M. Peterson.

7. Outside-sponsored research:

AFOSR grant for \$12,900 to study laminar destructions in the rat cortex. October 1, 1958 to October 1, 1959.

Extended to May 31, 1960 for \$11,519.20.

Principal investigator: Geo. M. Peterson.

AFOSR grant for \$5,000 to study relationships among the traits of the perceiver and those of the perceived in impression formation. December 23, 1958 to August 15, 1959.

Principal investigators: David T. Benedetti and Robert M. Morgan.

Sandia Corporation research contract for \$8,685.73 to study the effects of stimulus similarity and temporal factors in perceptual transfer of training. February 2, 1959 to February 2, 1960.

Principal investigator: Henry C. Ellis.

9. Henry C. Ellis, Treasurer, Rocky Mountain Psychological Association.
10. Henry C. Ellis traveled to the Rocky Mountain Psychological Association meetings, May, 1959.

The Report of the Department of Sociology

July 1, 1958 -- June 30, 1959

Paul Walter, Jr., Chairman

1. Pursuant to the decision of the Dean of the College of Arts and Sciences, as noted in the previous annual report, the teaching load in the department was reduced, effective in the fall of 1958, from 12 hours for each staff member to 9 hours (for the chairman, from 9 hours to 6 hours). As anticipated, the lighter teaching load has permitted closer out-of-class contact with the students, and more effective work, especially with those students in the upper scholarship brackets.

2. Because of the imminent change in the department chairmanship, it is felt that no new plans or recommendations should be submitted at this time.

3. No new appointments were made to the academic staff effective during the year covered by this report. Robert B. Taylor, who has just completed his Ph.D. at the University of Oregon, has been appointed as Visiting Assistant Professor for the academic year, 1959-60, to fill the current staff vacancy.

4. There were no additions to, nor separations from, the Sociology staff during the academic year just ending.

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## 5. (a) Books and Monographs.

Walter, Paul, Jr. "Military Sociology" in J.S. Roucek  
Contemporary Sociology.

## (b) Articles

Ellis, Helen. "The Family Looking Glass," Something  
for New Mexico's Youth. New Mexico Educational Association,  
1958.

Sasaki, Tom T. "The Navajo in the Machine Age", New  
Mexico Business, July, 1958.

"Situational Changes and the Navajo  
Indians", Journal of Social Issues, XIV (Oct.-Dec., 1958)

## 6. Completed Research Projects.

None

## 7. Outside-Sponsored Research.

Ellis, Helen. Preliminary study of released Mental  
Hospital Patients. State Department of Public Health. \$300.

Sasaki, Tom. Continuing study of Navajo Indian adjust-  
ment problems. Cornell University, \$1,200. Continuing  
project.

## 8. Other Professional Activities.

Sasaki, Tom. Consultant to the Jicarilla Apache Indians.  
Consultant, Rural Health Survey, New Mexico  
Department of Public Health.

Research Associate, Cornell University  
Medical School.

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## 9. Activities in Learned and Professional Societies.

Ellis, Helen. Executive Committee, Council on Social Work Education.

Chairman, State Chapter, National Association of Social Workers.

Sasaki, Tom. Read paper at annual meeting, Southwestern Social Science Association, Galveston, Texas.

Walter, Paul, Jr. Member, Space Law and Sociology Committee, American Rocket Society.

10., 11. None.

THE REPORT OF THE DEPARTMENT OF SPEECH  
July 1, 1958--June 30, 1959  
Wayne C. Eubank, Chairman

The Department of Speech enjoyed a 12 per cent increase in enrollment in the first semester, 1958-59 over Semester I, 1957-58. In comparison to Semester II, 1957-58 there was a slight decrease in enrollment during the second semester of 1958-59. This decrease was due to a reduction in classes necessitated by the absence of Dr. Owens who was away on Sabbatical. Certain unfinished portions of the Speech Correction Clinic have been completed during the year; however, a permanent audiology testing unit has not been realized. Parts of the ground level portion of the building (North rear) which houses the Speech faculty and staff need painting.

I

Speech and Hearing Clinic

The University of New Mexico Speech and Hearing Clinic is a laboratory for students of the Department of Speech who are concentrating in Speech and Hearing Therapy. Available are opportunities for observation of testing, therapy, and conference activities in which children and adults having communication problems are the subjects. Through work in the clinic, students partially fulfill their requirements for certification in basic speech therapy under the regulations of the American Speech and Hearing Association. The clinic offers speech and hearing therapy services, without charge, to any student enrolled at the University of New Mexico. Individuals from the



community requesting services of the clinic pay a fee for evaluation of the problem as well as an hourly charge for individual or group therapy.

Experiences for students were offered in four areas during the 1958-59 academic year. In addition to observation and participation experiences offered at the Speech Clinic on campus, students participated in the aphasia program at the Veteran's Administration Hospital, were provided observation and practice sessions at the New Mexico Rehabilitation Center, and at the New Mexico Hearing Society, Pre-School Nursery for Acoustically Handicapped Children.

During the year the clinic served 68 university students through group and individual therapy. In the Out-Patient Clinic 57 cases were evaluated and 35 cases received therapy.

Thirteen clinics were scheduled in connection with the Cerebral Palsy program, 38 children attended, 263 tests were given and 55 parent conferences were held.

The total amount of billed charges for Clinic services through April 30, 1959 was \$1,013.60.

#### Television-Radio Concentration

During the year the Department of Speech and Dramatic Art began a study of their offerings in television-radio with a view toward utilizing to the fullest extent the facilities, staff, and courses of both departments in television-radio instruction. The study resulted in a proposed television-radio concentration which will represent an

interdepartmental program. Although the concentration will offer the student a select and progressive course of study in the field of television-radio, the program will insure the student a solid background in his major field--Speech or Dramatic Art.

### Forensics

The University of New Mexico Forensic Squad attended a total of eight intercollegiate sectional and national tournaments during the 1958-59 season. The Squad participated successfully in debate and various individual events. In the last two tournaments of the year--Rocky Mountain in Denver, and the TKA National at Rutgers--the Squad maintained an average of 82.5 wins. This was an exceptionally fine record since we consider a 75% win average as championship debating. During the year the Squad participated in tournaments involving some 200 colleges and universities.

During the spring, the Forensic Squad was host to the squad from Texas Western of El Paso. Members of the Squad also participated in exhibition debating before local high schools and various service clubs. Due to a shortage of funds we did not entertain the British Debaters this year.

### New Mexico State High School Speech Festival

The annual New Mexico State High School Speech Festival sponsored by the Department of Speech was the largest in history in 1959. Some 225 high school students from 18 schools participated in 8 different

speaking events. The quality of the work exhibited by the contestants appears to be better each year. In addition to enjoying the speech events, the students voiced delight and appreciation for the opportunity of visiting the University of New Mexico campus.

#### Annual Speech Day

Annual Speech Day events are normally held during May. However, this year the members of the staff of the Department of Speech were unanimous in their decision to change the time from spring to fall. Therefore, Speech Day for 1959 will be held in November.

#### High School Speech Institute

The High School Speech Institute, which affords a select number of New Mexico high school juniors intensive training in several areas of speech, will be held on the campus this summer as usual.

## II

### PLANS FOR THE FUTURE

1. The most urgent need of the Speech and Hearing Clinic is facilities for administering pure tone and speech reception tests. At present the Clinic does not provide for the administration of a valid test of acuity for pure tones. Ability to hear is directly related to the efficiency of the oral language function and tests of hearing ability for pure tones, speech reception, and discrimination are an essential part of any language evaluation program. If the audiology program is to have real meaning and value to the student education

program and the health services of the University, valid tests of hearing acuity from the Speech and Hearing Clinic must be possible. Individual speech rooms for the administration of these tests are needed immediately.

The Department of Speech anticipates that in the future closer cooperation between the Guidance Department, the Remedial Reading Department in the School of Education, and the Psychology Department may be developed in order to make the training program for therapists and teachers more effective.

2. During the past two years the Department of Speech has engaged in an experimental project involving students from the College of Education. Instead of following the practice of several 3 hour regular sections in Speech 55 all students from the College of Education have been taught in one large lecture session and an appropriate number of practice or drill sections. The Speech faculty believes that this experiment has been successful.

This fall the experiment will be extended to include sections of Speech 55 which involves students from other colleges. The large lecture sections and appropriate practice and drill sections have been scheduled. The success of this program will depend largely upon the availability of students for the two lecture sections. This problem did not exist with the Education College students since Speech 55 is required by the college in the second semester of the Sophomore year. If the latter experiment is successful, it will result in a considerable saving in staff.

3. If the major in Speech with a concentration in television is approved, the Department will endeavor to strengthen enrollments in television-radio classes. The new sequence of courses should enhance enrollment. A strong academic program in television-radio will aid station KNME-TV production wise.

4. It is likely that enrollment in the Department of Speech in 1959-60 will increase. For the past three years we have employed teaching assistants to carry sections beyond regular staff load. The Department looks forward to the time when an increase in enrollment will warrant the addition of a permanent staff member.

### III

#### SEPARATIONS AND APPOINTMENTS

Dr. Bernarr Cooper is leaving the staff of the Department of Speech at the end of the current semester. The replacement for Dr. Cooper (steps are now in progress to secure an instructor) will join the Speech staff in September, 1959.

### IV

#### PUBLICATIONS

##### Articles

Cooper, Bernarr, "Planning for Depth in Educational Television," NAEB Journal, (May, 1958), 5 pages.

Eubank, Wayne C., "Benjamin Morgan Palmer's Lottery Speech, New Orleans, 1891", Southern Speech Journal, XXIV (Fall, 1958), 2-15.

"Duties of Affirmative Speakers--A Symposium", The Speech Teacher, VIII (March, 1959), 139-149.

Eubank, Wayne C. and Owens, Cullen B., "Individual Speaking Events" Western Speech, XXII (Fall, 1958), 215-220.

St. Onge, Keith R., "The Brain Stem Damage Syndrome: Speech and Psychological Factors, (with Dr. James J. Calvert) Journal of Speech and Hearing Disorders, Vol. 24, No. 1, February, 1959.

"Speech and Drama in the Public Schools" New Mexico School Review, Vol. 38, May, 1959.

#### CONTINUING RESEARCH

Chreist, Fred M., Continuing work on speechreading tests for children and adults.

Eubank, Wayne C., Continuing research on Benjamin Morgan Palmer.

#### ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES\*

Chreist, Fred M., State of New Mexico representative (Chairman) on the Liason Committee on Certification for the American Speech and Hearing Association. Chairman of the Committee to re-evaluate the Requirements for Election to Phi Kappa Phi, New Mexico Chapter.

Eubank, Wayne C., Member, New Mexico State Committee on Language Arts. Chairman, Nominating Committee, Western Speech Association. Member, Legislative Association of SAA. Chairman, Standards Committee Tau Kappa Alpha. Chairman, Speaker of the Year Board of Awards Committee TKA. Chairman, Time and Place Committee TKA.

St. Onge, Keith R., "Treatment of Stuttering in the Public Schools" address to the New Mexico Speech and Hearing Association, and Committee on the Exceptional Child of the Los Alamos Public Schools, Los Alamos, May 2, 1959.

#### OTHER PROFESSIONAL ACTIVITIES

Chreist, Fred M., Chairman of Program for the Special Education of the N.M.E.A. Convention, November, 1958. Speeches and Papers read before: Zia PTA; Barcelona PTA; N.M.S.H. State Meeting, May, 1959; Sandia PTA; and the Mariners' Club of Immanuel Presbyterian Church.

\*Cooper, Bernarr, Speech Association of America, Radio-TV Int. Grp; Nominating Committee; NAEB, Membership Committee, Ch. Region V.

Eubank, Wayne G., Paper at Western Speech Association Convention, Salt Lake City, November, 1958, "How Does the Administration Fit Speech into the Total School Program?"

St. Onge, Keith R., Speeches on communication disorders and speech pathologies to Zia School PTA, University of New Mexico Leadership Conference and to the California State Elks Convention, Fresno, California.

Cooper, Bernarr, Speaker and consultant for UNM Management Seminar, Madison, Wisconsin; Programming Seminar, Ann Arbor, Michigan; Western Radio and TV Conference, Phoenix, Arizona; National Association of Ed. Broadcasters, Omaha, Nebraska; Institute for Education by radio & TV, Columbus, Ohio.

#### OTHER ACTIVITIES

Chreist, Fred M., Director of the Speech and Hearing Clinic. Member of the Board of Directors of the New Mexico Hearing Society. Member of the Professional Advisory Board of the New Mexico Rehabilitation Center.

Eubank, Wayne C., Extension and Summer Session Committee. Advisory Committee on Teacher Education. Sophomore advisor. Chairman, Department of Speech. President, Albuquerque Kiwanis Club. First Methodist Church Board. Albuquerque Service Club Presidents Council. Numerous addresses to community and state groups. Participated in State Mental Health Meeting.

St. Onge, Keith R., Student Publications Board. Scholarship Committee of the College of Arts and Sciences. Advisor, University College. Awarded Certification of Merit, New Mexico State Elks for "services in behalf of the cerebral palsied." Member of the advisory Board of State Elk's Cerebral Palsy Program.

Cooper, Bernarr, Roswell Education Association Annual speaker; New Mexico Taxpayers Association invited guest speaker; two conferences, Gallup, New Mexico; Ad Hoc TV Committee.

THE REPORT OF THE COLLEGE OF BUSINESS ADMINISTRATION  
July 1, 1958 - June 30, 1959  
Vernon G. Sorrell, Dean

1. Significant achievements during the academic year, 1958-59.

A. The year 1958-59 and the Ford Program.

In the last several annual reports we have dealt at some length with the "experiment" known as the Ford Program. This past year we have carried on this program and in its major objectives and procedures we are satisfied. In its implementation we have been disappointed in that we haven't been able to obtain the number of graduate assistants necessary to do the kind of job we would like to do. This lack of graduate assistants was particularly noticeable in accounting where it was necessary to use undergraduates as laboratory assistants, paper graders, etc. Prospects for an adequate number of graduate assistants for next year are not promising.

B. The University College and the English Proficiency Examination.

We presently require the successful conclusion of the English Proficiency examination before transfer from the University College. We also require the passage of the EPE as a graduation requirement. A recent study by a special committee of the Board of Deans of the University College has thrown considerable doubt on this examination as a device either for admission or for graduation. Too many students with good records in over-all achievement, as well as in English courses, fail the EPE, often a number of times. In light of the report of the special committee, the Faculty of the College of Business Administration in all likelihood will reconsider the college requirements concerning this matter. Fortunately we had no embarrassing petitions from students asking the waivering of this requirement in the 1959 graduating class.



### C. Graduate work.

Mention was made in the 1957-58 report of the increase in graduate students in Business Administration. Following are the enrollments over the past several years, as reported by the graduate office.

|         | Semester I | Semester II |
|---------|------------|-------------|
| 1959-59 | 83         | 74          |
| 1957-58 | 73         | 61          |
| 1956-57 | 39         | 52          |
| 1955-56 | 30         | 31          |
| 1954-55 | 31         | 29          |
| 1953-54 | 21         | 28          |
| 1952-53 | 24         | 24          |
| 1951-52 | 30         | 25          |
| 1950-51 | 21         | 22          |
| 1949-50 | 14         | 14          |

It will be noted that recent rapid increase started the second semester in 1957. It should be mentioned that graduate enrollment is made up largely of part time students, and many of them are "specials" or "provisionals". A considerable number have the bachelor's degree in Engineering and have had little or no work in business administration. For such students the time required to achieve the Master of Business Administration degree requires two years full time (57 semester hours plus thesis 6 hours). By taking one or two courses a semester to achieve the M.B.A. is a long drawn out process, and many of them drop out by the way.

## II. Significant plans and recommendations for the future.

A. In every report of the college since its establishment in 1947, mention has been made for the need of more adequate building facilities. Of course the need is greater now than ever before. The outside surface of Yatoka Hall should be redone at the present time. We are grateful for several hard-top walks about the building. We still remain hopeful that in the not too distant future the College of Business Administration will have a new building.

B. The present dean, Vernon G. Sorrell, in January of this year asked to be relieved of the deanship but to remain as a professor in the college. This request was granted, and Professor William J. Parish was appointed Dean effective July 1, 1959. Inasmuch as this report is being made by the retiring dean, he is reluctant to discuss future plans and prospects for the college. All he wishes to say is that he is well satisfied with the new appointment and that the future development of the college will be in capable hands.

## III. Appointments to staff.

John Perovich, Instructor (part time) both semesters.

Allen Stecker, Instructor (part time) first semester only.

Virginia Ruth Huntington (part time) both semesters.

James Wallace Park, Instructor, September 1, 1959.

Rudyard B. Goode, Associate Professor, July 1, 1959.

## IV. Separation from staff.

Eileen R. DeDea, Instructor, July 1, 1959.

## V. Publications.

VI. Completed Research Projects.

WILLIAM J. PARISH

Completed manuscript: The Charles Ilfeld Company:  
The Rise and Fall of Mercantile Capitalism in New Mexico

This manuscript has been accepted for publication  
by the Harvard University Press.

VII. Outside-sponsored research.

None started this year.

VIII. Other Professional Activities.

Every member of the faculty engaged in various outside professional activities, such as giving talks, consultation work, etc., much as they have in years past. Special mention is made of the following:

Karl Christman during the summer of 1958 held a research associate-ship at the Western Data Processing Center at U.C.L.A. Graduate School of Business. For the summer of 1959 he was awarded a summer fellowship by the Ford Foundation for graduate study at the Graduate School of Business, U.C.L.A. This study is in furtherance of his objective of the doctor of philosophy degree in business administration.

William J. Parish gave the Sixth Annual University Research lecture. His topic was "The German Jew and the Commercial Revolution in Territorial New Mexico". During the year he was on the faculty of the management program of the Atomic Energy Commission, Sandia Corporation and the Fourth Army Group. He was a consultant for the Finance Industry of the State. He gave several papers during the year including papers to the New Mexico Business Association, the New Mexico Taxpayers Association, the New Mexico Conference on Social Welfare, and the Council on Social Welfare and Employment. He is a member of the Personnel Board of the City of Albuquerque.

Howard V. Finston read a number of professional papers before various groups including the American Institute of Industrial Engineers, Albuquerque Personnel group, Personnel Women's Association, and the Management Development Conferences of the Atomic Energy Commission. He was elected treasurer of the newly organized Southwest Management Association in December 1958. He has served as consultant for the U. S. Atomic Energy Commission as well as a number of private firms.

X.        Important study and travel.

Karl Christman (see under "other professional activities.")

XI.       Gifts.

None.

The Report of The College of Education  
July 1, 1958 - June 30, 1959  
Chester C. Travelstead, Dean

1. Significant achievements during the academic year, 1958-59.

a. Departmental reorganization

(1) Department of Educational and Administrative Services established. Includes Foundations of Education, Guidance and Counseling, and Educational Administration. Course titles and prefixes adjusted accordingly. (See departmental report for details)

(2) Division of Health, Physical Education, and Recreation discontinued. The two departments (Department of Health, Physical Education, and Recreation for Men and Department of Health, Physical Education, and Recreation for Women) will continue under their respective chairmen and will operate separately. In matters involving joint use of facilities and co-educational classes (undergraduate and graduate), these two department chairmen will when necessary consult with the dean of the College before taking action.

(3) Dr. Wilson Ivins was named Chairman, Department of Secondary Education, to succeed Dr. Bonner Crawford, still on leave as Director of Education in the Ryukus Islands.

(4) The Education Placement Bureau, formerly administered by the College of Education, was merged with the General Placement Bureau of the University. The name of the new and larger agency will be University of New Mexico Placement Bureau.

b. New Programs

(1) A new major in Recreation program was approved by the general faculty and will go into effect in September, 1959.

(2) The proposed Academic Year Institute for Teachers of Science and Mathematics was approved by the National Science Foundation and will begin in September, 1959. A majority of the students enrolled in the program will be working toward the recently approved degree, Master of Education in Science. Dr. Wilson Ivins, Chairman, Department of Secondary Education, will be the director of the institute.

(3) The New Mexico Research and Study Council was organized through the Department of Educational and Administrative Services, with 15 school systems as members. (See departmental report for details.)

(4) A new workshop in paper crafts was offered

in June, 1959 and drew a large enrollment. (See Department of Art Education report for details.)

(5) A series of five (5) seminars in school business practices was held throughout the state under the supervision of the Department of Educational and Administrative Services. (See departmental report for details.)

(6) A new Clinical Training Program in Corrective Therapy was initiated by the Department of Health, Physical Education, and Recreation for Men in cooperation with the Veterans' Hospital located in Albuquerque.

(7) The College of Education, as an active member of the American Association of Colleges for Teacher Education, spearheaded and supported the participation of the University of New Mexico in the new nationwide Television Program in Nuclear Physics for Teachers (Continental Classroom).

c. Continuation of programs already begun.

(1) The research project, "Adjustment of Indian Children Into the Public Elementary Schools of New Mexico," continued during the year and made great progress. This project is supported chiefly by the U. S. Department of Health, Education, and Welfare and is directed by Dr. Miles Zintz, Associate Professor of Education.

8. (a) Approval of a Master of Arts in Teaching degree program, to relate to several different teaching fields, and (b) a specific degree proposal submitted jointly by the Department of Modern and Classical Languages and the Department of Secondary Education, labeled "Master of Arts in Teaching Spanish."

(2) The Coordinating Committee in Secondary Education Programs (Dr. Wilson Ivins, Chairman) continued its work. (See departmental report for details.)

(3) The Annual Spring Conference for School Administrators and Board Members was held in March on the University of New Mexico campus under the supervision of the Department of Educational and Administrative Services. (See departmental report for details.)

(4) The regular fall pre-school work conference was held in September, 1958. All members of the College of Education faculty attended. Various problems facing the College were studied and discussed at this time.

(5) The Advisory Committee on Teacher Education, begun during the 1957-58 school year, continued its meetings and studied various problems and issues concerning teacher education and certification. (This committee is composed of all department chairmen and the dean of the College of Education, the dean of the College of Arts and Sciences, and eight (8) department chairmen in that college.)

(6) President Popejoy appointed Dr. Eugene Timmerman, Assistant Professor of Education, as the University representative on the New Mexico State Committee



of the North Central Association of Colleges and Secondary Schools, to succeed Dr. E. F. Fixley, who resigned in August, 1958. Dr. Timmerman was elected chairman of this committee and served in this capacity during the period of this report. All reports indicate that Dr. Timmerman is carrying out this new and difficult assignment in a commendable manner.

(7) The College sponsored its second annual in-service workshop for teachers on December 6, 1958. Over 150 teachers attended this meeting devoted to the topic "Developmental and Remedial Reading in the Upper Elementary Grades."

(8) The second workshop in Music Education was held in June, 1959, again under the direction of Dr. Lilla Belle Pitts and Dr. John Batcheller. About 165 persons enrolled for this two weeks' workshop.

d. Miscellaneous

(1) The budget for the Department of Health, Physical Education, and Recreation for Women was expanded to cover a greater amount of intramural and extramural activities. Also, a full-time matron was added for the women's quarters in Johnson Gymnasium.

(2) The first of three phases of renovation of Carlisle Gymnasium was accomplished during July, August, and September, 1958. (See Department of Health, Physical Education, and Recreation for Women report for details.)

(3) A learning materials center was established in the basement of Hodgkin Hall and was operated a few hours each day during the period of this report. These facilities and services will be expanded during the 1959-60 school year.

(4) All departments in the College and a special committee appointed by the dean worked diligently during the year on both general and detailed plans for the new College of Education Building. The results of this planning were discussed in some detail with President Popejoy and Mr. Lackey, a representative of the Warneke firm which is advising the University Board of Regents on campus planning.

2. Significant plans and recommendations for the near future.

a. A new and adequate College of Education Building now seems to be a reality toward which we can look forward with much anticipation. The plans for this building include classrooms (general and special), offices for faculty and

the college administrative staff, and special instructional areas for Home Economics, Art Education, and Industrial Arts. The faculty of this College strongly, recommends the early completion of this building.

b. It now seems advisable to organize a Bureau of Educational Research and School Services in the College. For the past few years we have attempted to carry on such activities for and with the elementary and secondary schools on too limited a basis. It has been accomplished even in this limited way only through overloading of several faculty members.

c. We also feel the necessity to broaden our facilities and programs relating to the preparation of teachers of exceptional children (orthopedically handicapped, mentally retarded, cerebral palsied, spastic, gifted, and those with speech and hearing defects). We must expand our faculty as well as our facilities in this connection. Also, the dean of the college is working closely with the Western Interstate Commission on Higher Education in developing regional programs in this field.

d. Besides the new College of Education Building already mentioned above, we need additional outdoor and

indoor facilities in connection with our physical education programs. (See those departmental reports for details.)

e. An extension and fuller development of our close working relationships with the various departments in the College of Arts and Sciences will be sought and pursued by the dean and faculty of the College of Education. We believe that an all-University approach to teacher education at this institution is both sound and highly desirable. Such cooperation should result in finer programs of preparation for prospective teachers on this campus.

f. We believe it imperative to extend and expand the professional laboratory experiences available to the prospective teachers in our preparation programs. Such experiences should include more observation of children and teachers at work, more participation with groups of children at work or play, and wider experiences in student teaching. All this will require a larger college budget and even closer working relationships with the Albuquerque Public Schools and the Albuquerque Recreation Department.

### 3. Appointments to staff.

Five new faculty appointments were made during the period

of this report. One of these was to fill a position made vacant by resignation. Another was to replace a faculty member who retired during the year. The other three were additions to the faculty. (See departmental reports for details: Secondary Education; Health, Physical Education, and Recreation for Men; and Health, Physical Education, and Recreation for Women).

#### 4. Separations from staff.

One resignation (see Department of Elementary Education report) and one retirement (see Department of Educational and Administrative Services report).

#### 5. Publications

##### (a) Books and monographs.

None

##### (b) Articles.

TRAVELSTEAD, CHESTER C. "Problems of Educating Handicapped Children in Sparsely Populated Areas," Exceptional Children (to be published in August 1959)

##### (c) Reviews.

TRAVELSTEAD, CHESTER C. Review of Louis G. Geiger, "University of the Northern Plains," Southwestern Historical Review (to be published in late summer, 1959).

(See departmental reports for publications by other faculty members.)

#### 6. Completed Research Projects.

(See departmental reports.)

## 7. Outside-sponsored research.

(See departmental reports.)

## 8.) Other professional activities, and

## 9.) Activities in learned and professional societies.

(Chester C. Travelstead only. See departmental reports for others.)

Speeches

- a. Commencement address, Albuquerque High School, July 1958.
- b. Annual Conference for Custodians, University of New Mexico campus, August 1958.
- c. Music Department Assembly - students and faculty, September 1958.
- d. New Mexico Education Association Convention, Sectional Meeting, Health, Physical Education, and Recreation, October 1958.
- e. At area meeting of the Cooperative Program in Educational Administration, University of New Mexico campus, October 1958.
- f. University of New Mexico Student Education Association, November 1958.
- g. At WICHE meeting held in December 1958 at Salt Lake City. Topic: "Problems of Educating Handicapped Children in Sparsely-Populated Areas."
- h. At regional meeting (New Mexico and Texas) of the Associated Public Schools System, held at Lovington, New Mexico, January 1959. Topic: "What is Quality Education?"
- i. Boy Scout banquet held at Kirtland Air Force Base, March 1959. "Education and Scouting in America."
- j. Albuquerque Chapter of Alpha Delta Kappa (honorary Education sorority), April 1959. Topic: "Clay Pits of Egypt."
- k. State Convention of Future Teachers of America, University of New Mexico campus, May 1959. Topic: "What Colleges Expect of High School Graduates."
- l. Rotary Club, Clovis, New Mexico, May 1959. Topic: "How Safe is Our Investment in the Public Schools?"
- m. Rancheville PTA, Clovis, New Mexico, May 1959. Topic: "Do You Really Want Good Schools For Your Children?"
- n. Commencement address, Alamogordo (New Mexico) High School, May 1959. Topic: "Lengthen Thy Cords and Strengthen Thy Stakes."
- o. Commencement address, Raton (New Mexico) High School, May 1959. Topic: (same as above)

- p. Commencement address, Taos (New Mexico) High School, May 1959. Topic: (same as above)

#### Panel Discussions and Discussion Groups

- a. Moderator of panel, annual conference, New Mexico Cooperative Program in Educational Administration, Santa Fe, July 1958.
- b. Moderator of panel, annual fall meeting of New Mexico Secondary School Principals Association, University of New Mexico campus, October 1958.
- c. Moderator of panel, annual conference of New Mexico Schools Study Council, Albuquerque, November 1958.
- d. Member of panel, University of New Mexico Music Department, faculty and students, December 1958.
- e. Moderator of panel at meeting sponsored by Santa Fe All-PTA Council, January 1959.
- f. Member of panel, Southwestern Regional Meeting, United Cerebral Palsy, Phoenix, Arizona, January 1959.
- g. Moderator of panel, Immanuel Presbyterian Church, Albuquerque, February 1959.
- h. Chairman, discussion group, annual meeting, American Association of Colleges for Teacher Education, Chicago, Illinois, February 1959.
- i. Moderator of panel, Annual Meeting, American Association of School Administrators, Atlantic City, February 1959.
- j. Member of panel, University of New Mexico campus before visiting high school seniors.
- k. Recorder, group discussion, Annual Conference on Teacher Education sponsored by National Commission on Teacher Education and Professional Standards, Lawrence Kansas, June 1959.
- l. Moderator of panel, annual conference, Council of Social Agencies, Albuquerque, October 1958.

#### Miscellaneous

- a. Served on "Competencies" Committee appointed by State Department of Education, during period of this report.
- b. Served on New Mexico Commission on Teacher Education and Professional Standards during period of this report.
- c. Chairman and Secretary, University of New Mexico "21 Club" during period of this report.

- d. Senior sponsor, Beta Rho Chapter, Phi Delta Kappa, honorary Education fraternity, 1958-59.
- e. Chairman, program committee, Albuquerque Kiwanis Club, 1959.
- f. Vice-President, New Mexico Schools Study Council, 1958-59.
- g. Member, Advisory Committee, Menaul School, Albuquerque, 1958-60.
- h. Member, editorial board, Journal of Teacher Education, 1959-61.
- i. Member, editorial board, Music Educators Journal, 1958-61.
- j. Consultant (one or more visits) to each of the following school systems: Grants, Belen, Estancia, Clovis, Los Alamos.
- k. Member, North Central Association evaluation team which studied and made recommendations concerning the programs at Menaul School, Albuquerque, February 1959.
- l. Chairman, Visitation Team appointed by National Council for Accreditation of Teacher Education to evaluate the teacher education programs at University of Colorado, Boulder, May 3-6, 1959.
- m. Elected to membership in University of New Mexico Chapter, Phi Kappa Phi, May 1959.
- n. Represented University of New Mexico at regional meeting of the U. S. Department of Health, Education, and Welfare, held at Denver, Colorado, December 1958, in connection with the National Defense Education Act.

10. Important study and travel.  
(See departmental reports.)

11. Gifts  
(none)

*Christen C. Travelstead*



*The Report of the Department of Art Education*

*July 1, 1957 - June 30, 1958*

*Alexander Masley, Chairman*

1. Significant achievements during the academic year, 1957-58.

A paper crafts workshop was offered during the intersession in June. The apparent need for such a course was emphatically demonstrated by the fact that the enrollment was double of what had been anticipated. In order to meet the demand two sections were finally organized.

The paper crafts course was later approved as a regular art education department offering and was given the new number Art Education 148. It was approved for graduate credit. Art Education 150, formerly offered as a regular course in the department was discontinued.

Dr. Marjorie Batchelder, who had offered a puppetry workshop in the department during the intersession in previous years, was approved to offer a puppetry workshop off campus, and as part of the extension division program in art education.

2. Significant plans and recommendations for the near future.

The problem of regulating the temperature in the art education building during the winter months continues to grow in importance. The cooperative arrangement whereby the thermostat is located in the drama department costume workshop while the control valves are located in the art education building is simply not practical. It is hoped that every effort will be made to correct this situation before the steam is turned on in the fall.

3. Appointments to staff

No new appointments to the staff were made this year.

4. Separations from staff

No separations from staff took place during this year.

5. Publications

(a) Books and monographs

No books were published this year

(b) Articles

Masley, Alexander,, Book reviews of three art education textbooks incorporated into Dr. Ivins' book review column in the New Mexico School Review, November, 1958

Masley, Alexander, "Child Art at the State Fair," New Mexico School Review, June, 1959

6. Completed research projects

No research projects have been completed.

Research dealing with the composition of certain kinds of tempera paint still in process. Dr. Masley.

Research dealing with art education in the Indian schools of New Mexico (documentation) still in process. Dr. Masley

Film documentation of creative art education activities in the Department of Art Education in progress. Taylor and Masley.

7. Outside-sponsored research

No outside-sponsored research in art education.

8. Other professional activities

Mr. Jack Taylor Made 341 illustrations for a test of knowledge of English for school beginners for the Indian Research Study. Published, January, 1959.

Member: North Central Evaluating Committee for Rio Grande High School, Albuquerque.

Member: Summer Sessions Committee.

Member: College of Education Building Committee

Consultant Leader, First Grade Section, N<sup>M</sup>EA Convention

Speaker: Trinity Methodist Day School

Speaker: Emerson Elementary School PTA

Alexander Masley Member: Evaluative Committee, Belen Public Schools.

Member: Evaluative Committee; Menaul High School

Member: Curriculum Committee, Coordinating Committee, etc.

Chairman: Education Doctorate Committee

9. Activities in learned and professional societies

Mr. Jack Taylor Attended state meetings of New Mexico Art Education Association in Albuquerque and Las Vegas, New Mexico. Appointed co-chairman of Committee on Public Information for NMAEA.

Exhibited: Biennial show for New Mexico artists, black and white exhibit of Corrales Art Association.

Alexander Masley Attended state meetings of NMAEA and host of meeting of New Mexico Art Education Association in art education building.

Attended: National Art Education Association convention in New York City.

Member: Research Committee, National Art Education Association.

Member: Planning Committee, Constitutional Study Committee, Program Committee, Western Arts Association.

Member: Committee of College Teachers of Art, National Art Education Association.

Judge: Scholarship awards for art teachers offered by The American Crayon Company at the Colorado State University.

10. Important study and travel

Alexander Masley Travel was limited to several Indian schools near Albuquerque, Santa Fe Museums, and the National Art Education Association convention in New York.

11. Gifts

No gifts have been received by this department.

The Report of the Department of Educational and Administrative Services  
July 1, 1958 - June 30, 1959  
Paul V. Petty, Chairman

1. Significant achievements during the academic year, 1958-59.

This is the first academic year for the operation of the reorganized department which bears the title shown on the report. Three teaching programs are now included in this department: Foundations of Education, Guidance and Counseling, and Educational Administration. While the teaching programs are separate, steps have been taken to integrate the activities in as many ways as feasible. The program in Foundations of Education has not yet been developed into a full degree-granting program. It is planned that degrees in this area should be offered in the near future.

During this academic year course designation changes in the catalog had not been made to correspond to the new title of the reorganized department. This lag occurred because the catalogs had to go to press far in advance of their being used. Steps have now been taken and approved by the Vice-President during the latter part of this academic year which will bring course designations in line with the title of the department. The three teaching areas within the department also will be clearly defined in the new catalog copy.

During the course of the academic year staff meetings involving the professional staff of the entire department were held monthly. At other times meetings were held which were concerned most directly with the respective teaching programs.

During the summer of 1958, and during this academic year, all five staff members carried full teaching loads with the following exceptions:

Assistant Professor Angel was given one-fourth reduction in teaching load so that he could continue to serve as Executive Secretary of the New Mexico School Boards Association. Professor Petty was given a one-fourth reduction in load as department chairman. Assistant Professor Ryan taught a full academic load during Semester II, which was his first semester on the staff. Part-time teaching by Mr. LaMoine Langston and Dr. Noah Turpen filled the staff vacancy which existed during Semester I. Teaching areas for the year included Educational Administration, General Professional Education and Secondary Education.

Since commencement, 1958, a total of 33 master degree candidates have completed their programs and were graduated with the class of 1959. In addition to the persons working toward the masters degree, at least 11 of the prospective candidates which have been approved by the Education Doctorate Committee for work in programs centered in this department are likely to continue toward their ultimate objectives. During this year a first step was taken toward the development of the six-year graduate program as an intermediate program between the masters and the doctorate degrees.

Five seminars on improving New Mexico school business practices were held throughout the state during this academic year. These were under the joint sponsorship with the New Mexico School Boards Association. The particular phase of the topic which was emphasized in the seminars was purchasing and supply management. Excellent attendance characterized each of the meetings and it was gratifying to know that a majority of members of the newly appointed State Board of Education attended at least one of these meetings. Also, during the year the continuing contact with school administrators in the Rio Grande Valley and the

Estancia Valley was maintained through periodic meetings centered around common school problems. Five such meetings were held in various schools ranging in length from two hours to one day. Other meetings of a similar purpose were held with the school administrators on the campus and at the Desert Sands Dining Room.

The spring conference of school administrators and board members held on the campus in March was the best attended to date. The principal speakers were Drs. Shirley Cooper and Roy Hall from Washington, D. C. The theme of the conference was, "Developing Guidelines for New Mexico Education for the Next Decade". Plans are that this conference should be the first of a series emphasizing various phases of education in New Mexico. Several specific recommendations for next steps grew out of the conference, and to date at least three of these have represented further study and work. One of the major problems in connection with the spring conference has been its financing. This year, for the first time, five different agencies and groups agreed to underwrite the cost of the conference. These were: The New Mexico Education Association, State Department of Education, New Mexico School Boards Association, New Mexico Association of School Administrators, and this department. Under this arrangement the department committed \$112,00 of its budgeted funds toward conference costs. This amount represented one-fifth of the total conference cost. The office of the Dean agreed to and did assist financially. The department budget is not adequate to meet such added demands. All participating agencies in the conference seemed to feel that their expenditure had been well justified.

Perhaps one of the most significant developments during the current year was the final establishment of the New Mexico Cooperative Research and Study Council. This organization came as a result of a series of

meetings which had been started early last fall and had as their purpose the development of a workable plan for cooperative research and study among school systems with some provision for University sponsorship. Fifteen school systems formally signed a contract to participate in the Council in accordance with provisions of the constitution which had been unanimously adopted. The budget developed by the advisory committee of the Council totals \$6100.00. It was agreed that the University would provide certain matching. Dean Travelstead designated the department chairman to act as Executive-director of the Council. Drs. Ryan and Angel will each serve in important roles as consultants. Additional consultant service would come from the State Department of Education. At the time of compiling this report funds in the form of payments from the participating school systems are already being paid to the Council.

Dr. George Keppers, who supervises the teaching program in Guidance and Counseling, has been very active in this program during the year. Eighteen masters degrees have been completed during the year and Dr. Keppers has continued an active interest with the school systems and with the State Counseling and Guidance organization. His report indicates that during the present academic year he has attended and participated in a total of thirty meetings. In addition to the above activities, he has served as therapist to the Child Guidance Clinic, a responsibility which has taken a specific amount of his time once each week. He has served again this year as a consultant to the University College. This responsibility has also required a specific and regular amount of his time. Perhaps the greatest handicap in the program of Guidance and Counseling has been inadequate staffing. This professor has definitely been over-loaded this year.

Assistant Professor Loren was employed at the beginning of Semester II last year for the purpose of giving strength and direction to the program in Educational Foundations. During the early part of Semester I this year Professor Loren presented a projected program in Educational Foundations to the Graduate Committee and asked approval of two of these courses as the first step toward the realization of the program. The Graduate Committee approved the courses requested: (1) Comparative Education and (2) Philosophies of Education. One of these courses was offered for the first time during Semester II of the present academic year and the enrollment was very satisfactory. It is anticipated that progress will continue in this program.

Also, during this year, Mr. Loren has served as coordinator for library acquisitions for the College of Education. The Secretary of the department has been responsible for the considerable amount of stencil cutting and clerical work in connection with this responsibility. In this assignment Mr. Loren has been most thorough and painstaking. He has not only placed orders and kept staff members informed of the new acquisitions, but done much searching of the shelves in determining previous holdings in many areas of education.

2. Significant plans and recommendations for the near future.

In the near future some of the present activities being carried on by this department should be merged into a formalized field service and research program. Some additional budget allocation would be needed and additional staff time should be provided. Perhaps the stage has now been reached wherein some definite steps in this direction should be taken. This step would also be in line with the increased interest which is being shown by staff members toward more research.



The action of the American Association of School Administrators in requesting its membership to have completed a six-year graduate program in order to be eligible as new members by 1964, has created an added impetus for institutions to offer six-year programs in educational administration. A number of institutions now offer such a program in educational administration and in the area of Guidance and Special Services. It is important that this department move forward toward the formalization of a six-year program in the near future.

Every effort will be made to see that the New Mexico Cooperative Research and Study Council is a going organization beginning with the academic year 1959-60. This Council will offer an excellent opportunity for further expansion in the service area.

More definite plans have now been completed for a full scale school survey to be sponsored by this department. Mr. Manuel McBride, Superintendent of the Grants Municipal Schools, has discussed the matter with his board and has invited the department to direct a survey of the Grants school system. This work would have been started during the current semester if staff time had been available.

The need for a buildings laboratory and a materials testing service was reiterated during the recent series of school business management seminars. The newly appointed State Board of Education has indicated a real interest in and willingness to assist with the financing of the project. It is hoped that some definite steps can be taken in this direction during the 1959-60 academic year.

A continuing study of preparation programs for educational administrators is needed. With additional information from the Committee for the Advancement of School Administration and reports from studies which have been conducted at different institutions, the time is opportune

for doing further study of the University of New Mexico program. In this connection an NCATE survey and appraisal is recommended for the near future.

3. Appointments to staff.

Dr. Devoy A. Ryan, who holds a Doctor of Education Degree from the University of Missouri, was appointed to the staff at the beginning of Semester II, 1958-59. His beginning rank is assistant professor and he fills the vacancy created by the retirement of Dr. E. H. Fixley at the end of the summer session 1958-59.

4. Separations from staff.

Dr. E. H. Fixley retired at end of summer session 1958.

5. Publications.

- (a) Books and monographs.  
None

- (b) Articles.  
Petty, Paul V., "The Research and Study Council", New Mexico School Review, April, 1959, P. 22.

- (c) Reviews.  
Loren, Parke B., Book Review, "A Guide to Understanding Vernon Mallinson's An Introduction to the Study of Comparative Education and Edmund King's, Other Schools and Ours." New Mexico School Review, April, 1959, P. 31.

6. Completed research projects.

- (a) "Survey of New Mexico School Business Practices"  
(\$200 was received from University of New Mexico Research Committee).

7. Outside-sponsored research.

None

## 8. Other professional activities.

- (a) Angel, Frank Jr.
  - (1) Executive Secretary, New Mexico School Boards Association
  - (2) Speaker before several education groups
  - (3) Consultant, State Department of Education reorganization.
- (b) Keppers, George L.
  - (1) Member, N. M. Psy. Association
  - (2) Editor for sectional meeting, NVGA
  - (3) Program committee New Mexico branch of APGA
  - (4) Speaker at professional education meetings.
- (c) Loren, Parke B.
  - (1) V-P, N. M. Philosophic Association.
- (d) Petty, Paul V.
  - (1) Member of executive committee, National Conference of Professors of Educational Administration
  - (2) Member, National Educational Research Association
  - (3) Member, Education Doctorate Committee, UNM
  - (4) Consultant, N. M. Advisory Committee for School Administrators.
  - (5) Program appearances, several professional meetings.
- (e) Ryan, Devoy A.
  - (1) Consultant, NMCRCG

## 9. Activities in learned and professional societies.

- (a) Angel, Frank Jr.
  - (1) NMEA.
- (b) Keppers, George L.
  - (1) NMEA, N. M. Psychologists Association, American Psy. and Guidance Association.
- (c) Loren, Parke B.
  - (1) NEA, NMEA.
- (d) Petty, Paul V.
  - (1) NMEA, AASA, AERA, NCPEA (Exec. Committee) ASCD.
- (e) Ryan, Devoy A.
  - (1) NEA.

## 10. Important study and travel.

None.

## 11. Gifts.

None.

The Report of the Department of Elementary Education  
 July 1, 1958 - June 30, 1959  
 Loyd S. Tireman, Chairman

1. Significant achievements during the academic year, 1958-59.

- a. In Education 136 we are strongly urging all seniors to attend their assigned room in the Albuquerque Public Schools for the two weeks in the Fall, prior to the opening of the University term. This permits them to become acquainted with the beginning organization of the room.
- b. The Albuquerque Schools, for the first time, have voluntarily supplied us with a list of teachers who are willing to cooperate in the Student Teaching Program.
- c. Junior Observers. With the cooperation of the Albuquerque Public School teachers, we have assigned juniors to the rooms where the seniors are doing Student Teaching. Periodic visits help to make the Methods courses more meaningful.
- d. With the cooperation of the Albuquerque Public Schools, we organized a one-day institute. Topic: Teaching Reading in the Upper Grades. Attendance: 300-400

2. Significant plans and recommendations for the near future.

- a. When additional staff is available, we should like to require a three hour observation course in the sophomore year.
- b. We intend to drop Education 118 as an elective in Elementary Education. Students may take Home Economics 138 or 139.

3. Appointments to staff.

Dr. L. Helen Walters, Assoc. Prof. of Education, July 1, 1959.

4. Separations from staff.

Margaret Rauhof, Assistant Professor of Education resigned. Separation date: June 30, 1959.

5. Publications.

a. Articles.

ZINTZ, MILES V. "Most of New Mexico's Indian Children are Exceptional Children," New Mexico School Review, in press.

ZINTZ, MILES V. "The Council for Exceptional Children in New Mexico," New Mexico School Review, Vol. 38 (March 1959), 31-32.

TIREMAN, LOYD S. "Factors Influencing the Learning of a Second Language," Mimeographed for use with the Indian Research Study.

6. Completed research projects.

None

7. Outside-sponsored research.

This is the second year of a three year study: Adjusting Indians in Public Elementary Schools of New Mexico. United States Office of Health, Education and Welfare. Contract: \$65,545.

8. Other Professional activities.

Zintz, Miles V.: 20 speeches to PTA Groups, panel discussions and sectional meetings of various associations.

Rauhof, Margaret: Reading Consultant, Otero Junior College, La Junta, Colo.

Tireman, Loyd S.: Speeches to two organizations.

9. Activities in learned and professional societies.

Zintz, Miles V.: Council for Exceptional Children. Association for Retarded Children.

Tireman, Loyd S.: Consultant for sectional meeting, National Elementary Principal's Association, Los Angeles.

10. Important study and travel.

None

11. Gifts.

None

The Report of the Department of Home Economics  
July 1, 1958 - June 30, 1959  
Grace L. Elser, Chairman

1. Significant Achievements During the Academic Year, 1958-1959.

The Home Economics faculty reviewed the objectives of the Department as stated in the report of 1957-1958. These objectives were related to an expected increase in enrollment at the University in the next ten years and to the need for improved and more adequate physical facilities for the Home Economics Department. The faculty then planned classrooms and laboratories for home economics courses, space for specific kinds of research related to home and family life, the nursery school area as an integral part of the Home Economics Department, storage space for supplies, and office space for faculty members.

A one day meeting on the Forward Look for Home Economics at the University of New Mexico was held in late May with the graduating seniors, former graduates of the previous five years and the Home Economics faculty members participating. Dr. Wilson Ivins, Chairman of the Department of Secondary Education, spoke on the value of continually evaluating curriculum and its special significance in relating to planning new physical facilities for the Department. Those participating in the meeting made recommendations regarding curriculum and courses, an increased number on the staff, and new physical facilities in relation to the objectives of the Department.

The Home Economics Department has continued to offer four curricula for majors as in the past. Degrees for these majors are conferred by two Colleges. The College of Education offers two degrees; one of which is Home Economics Education, and the other is a combined major in Home Economics Education and Dietetics. The College of Arts

and Sciences also offers two degrees which are Dietetics and General Home Economics. This year there were 70 majors and 147 other women students taking courses in the Department. This makes a total of 211 women and 18 men (total of <sup>228</sup>235) enrolled in home economics courses.

There were 15 graduating seniors with a major in Home Economics in 1959. Most of the graduates who want positions now plan to teach, but two of them have accepted a dietetic internship; one at Baylor University Hospital in Dallas, Texas, and one at the University of California Hospital in Berkeley.

## 2. Significant Plans and Recommendations For the Near Future.

It now appears that the Home Economics Department will have a wing, or, at least, be a part of the building which will house the College of Education. As previously stated, we believe the nursery school should be a part of these facilities.

We continue to urge another University owned home, more an integral part of the campus, be provided for use as a Home Management house to replace the one now being used at 1621 Roma N. E. There are two reasons for this request: (1) With a different room arrangement more girls may be housed at one time with the same floor area (2) when the house is not occupied, it would be easier for it to be checked regularly by campus police.

With a new Student Union building with adequate food preparation and serving facilities and a well-trained staff to be opened in September, 1959, plans are being made to use those facilities for the course, F. E. 150L, Quantity Cookery, and for part of the course, H. E. 159, Institutional Management.

### 3. Appointment to Staff.

Mrs. Ruth B. Harris was appointed as an Instructor effective September, 1958. She had been on a temporary basis the previous semester when she taught one course. She has her Bachelor's degree from Cornell University with a major in Foods and Nutrition and her Master's degree from the University of Tennessee. She has been a practicing dietitian for many years.

### 8. Other Professional Activities.

All staff members served as advisors to majors and minors in the Department. Two staff members, Miss Florence Schroeder and Miss Imogean McMurray, also served as advisors for University College.

The four home economics faculty members attended a pre-school workshop of the College of Education in the fall of 1958.

#### a. Mrs Grace L. Elser.

- (1) Sponsor of Kappa Omicron Phi, home economics honorary.
- (2) Member of building committee of College of Education.

#### b. Miss Florence Schroeder.

- (1) Member building committee
- (2) Program committee, Martineztown community Center Board.
- (3) Consultant and Board member, Special Education Center.
- (4) Board member Family Consultation Service.
- (5) Service Chairman, Phi Mu Alum. Association
- (6) Speaker, Belen Pilot Club, December meeting, 1958.

#### c. Miss Imogean McMurray.

- (1) University of New Mexico Home Economics Club Advisor.
- (2) Attended annual meeting of New Mexico College Home Economics Club Association in Silver City, April 17-18;



- (3) Attended the New Mexico Home Economics Association section meeting of NMEA, October 23
- (4) Attended Western Regional Conference of Clothing, Textiles and Related Arts for College Teachers in Las Cruces, October 20-22
- (5) Member of Campus Improvement Committee.
- (6) Judge for local Vogue Sewing Contest, Junior Woman's Club, Albuquerque.
- (7) Judge for district Vogue Sewing Contest for New Mexico Federation of Women's Clubs in Santa Fe.
- (8) Judge for millinery style show of University of New Mexico Extension class taught by Paula Farmer;
- (9) Sunday School teacher for 10-year old girls at First Baptist Church.

d. Mrs. Ruth E. Harris.

- (1) Participated in school Lunch Conference with Mrs. Vina Gardner and Miss Rea Sullivan, regional supervisor, held in Albuquerque.

9. Activities in Learned and Professional Societies.

The four staff members belong and attend meetings of Kappa Omicron Phi, national professional honorary in Home Economics; New Mexico Home Economics Association, and Albuquerque Professional Home Economist Club.

a. Mrs. Grace L. Elser.

- (1) Attended annual meeting of New Mexico Committee on Nutrition held at University of New Mexico, October 11, 1958.
- (2) Attended Home Economics section of NMEA Convention October 23, 1958.

- (3) Participated in school Lunch Conference with Mrs. Vina Gardner, State Supervisor and Miss Rea Sullivan, regional supervisor, held in Albuquerque.
- (4) Attended Pacific Regional Conference of College Teachers of Foods and Nutrition, Salt Lake City, Utah, November, 1958.
- (5) Attended annual meeting of New Mexico Dietetic Association held in conjunction with New Mexico Hospital Association at Western Skies Hotel, April, 1959.
- (6) Participated in panel discussion at meeting of Professional Home Economists of Albuquerque, May 1, 1959.
- (7) Attended workshop of problems related to home economics in small departments and in Liberal Art Colleges and the meeting of the American Home Economics Association in Milwaukee, Wisconsin, in late June.

b. Miss Florence Schroeder.

- (1) Speaker for Home Economics section of Colorado Education Association meeting in Durango, Colorado, October, 1958.
- (2) Delegate to International Home Economics Congress, University of Maryland, August, 1958.
- (3) Featured Speaker at Institute for Child Care Center, Nursery School and Kindergarten operators and teachers, March, 1959, sponsored by State Public Health and Welfare Department of New Mexico.

c. Miss Imogene McMurray.

- (1) Attended workshop on problems related to Home Economics

in Liberal Art and Small Colleges.

- (2) Attended meeting of college teachers of clothing and textiles.
- (3) Attended annual meeting of American Home Economics Association all in Milwaukee, Wisconsin, in late June.
- (4) State news editor for Journal of Home Economics.
- (5) State chairman of Textiles and Clothing section of American Home Economics Association.
- (6) Nominating committee and Constitution committee for Albuquerque Professional Home Economists.

d. Mrs. Ruth B. Harris.

- (1) Attended annual meeting of New Mexico Committee on Nutrition held at University of New Mexico, October 11, 1958.
- (2) Attended Home Economics section of NMEA Convention, October 23, 1958.
- (3) Attended annual meeting of New Mexico Dietetic Association held in conjunction with New Mexico Hospital Association at Western Skies Hotel, April, 1959.
- (4) Participated in panel discussion at meeting of Professional Home Economists of Albuquerque, May 1, 1959.

ANNUAL REPORT OF THE DEPARTMENT OF HEALTH, PHYSICAL EDUCATION,  
AND RECREATION FOR MEN

July 1, 1958 to June 31, 1959

Armond H. Seidler, Chairman

- I. Significant achievements during the academic year, 1958-1959:
  - (a) A new major curriculum in recreation was approved by the general faculty and will go into effect September, 1959.
  - (b) The department sponsored the second State Swimming Pool Operators Conference.
  - (c) The department sponsored a state-wide Swimming and Water Ballet Clinic which was well attended.
  - (d) The department successfully instituted, in cooperation with the Veterans Administration Hospital, a Clinical Training Program in Corrective Therapy. Three students thus far have completed the course.
  - (e) The division of Health, Physical Education and Recreation was eliminated and the name of the department was changed to the Department of Health, Physical Education and Recreation for Men.
  - (f) The Danish National Gymnastics team was presented to the faculty and student body as a joint project of the Departments of Physical Education for Men and Women.
  
- II. Significant plans and recommendations for the near future:
  - (a) The department hopes to get an acoustical ceiling installed in room 4, Johnson Gym, so that instruction will not be hampered by excessive noise.
  - (b) The department recommends the construction of a new large outdoor

(2)

ANNUAL REPORT OF THE DEPARTMENT OF HEALTH, PHYSICAL EDUCATION  
AND RECREATION FOR MEN

11. (b) swimming pool, next to Johnson Gymnasium and the conversion of the present outdoor pool, west of Carlisle, into an indoor pool which can be used as an instructional facility for girls' indoor swimming classes.
- (c) For the following reasons, it is desirable that the department be given a significant increase in number of staff if it is to fulfill its mission in the University;
  - (1) The varsity football coaching staff will be relieved of its teaching responsibilities beginning September 1959, and will thus lessen available staff by 2/3 of a man per semester.
  - (2) The department has expanded its offerings and has had significant increases in the number of students served, both on the undergraduate and graduate level.
  - (3) The department is in dire need of experts in gymnastics, combatives, recreation, and additional graduate staff if it is to compare favorably with other departments of repute.
  - (4) The department has been unable up to now to assume the responsibility for supervision of practice coaching and practice teachers because of a manpower shortage.
  - (5) In the face of anticipated increases in enrollment for 1959-60 and 1960-61 staff capabilities must be increased.
- (d) The department recommends that additional graduate assistants be made available in physical education.
- (e) The department recommends that it be given financial assistance for equipment and development of the physical education research laboratory which now is in an embryonic stage.

(3)

ANNUAL REPORT OF THE DEPARTMENT OF HEALTH, PHYSICAL EDUCATION,  
AND RECREATION FOR MEN

III. Appointments to staff:

Mr. Frank E. Papcsy was appointed Assistant Professor of Physical Education and Director of Intramurals effective, September 1959.

IV. Separations from staff: None

V. Publications:

(a) Books and monographs: None

(b) Articles: None

(c) Reviews: None

VI. Completed research projects: None

VII. Outside-sponsored research: None

VIII. Other professional activities:

(a) Mr. Armond H. Seidler gave the following speeches:

|             |                        |                |
|-------------|------------------------|----------------|
| Career Days | Los Alamos High School | March 10, 1959 |
|             | Highland High School   | April 9, 1959  |
|             | Sandia High School     | March 14, 1959 |

Santa Paula, California Southern District Convention,  
California Association for Health, Physical Education, &  
Recreation. "Physical Education Today"  
December 17, 1958.

El Paso, Texas Southwest District Convention National  
Recreation Association Final General Session  
"Recreation in the Space Age" April 4, 1959.

Albuquerque, New Mexico Recreation Leaders Workshop  
"Leadership" May 16, 1959.

Albuquerque, New Mexico Zia Parent Teachers Association  
"Fitness of American Youth" May 18, 1959.

Portales, New Mexico Spring meeting of N.M.A.H.P.E.R.  
"Flickerball".

(b) Mr. Clements gave the following speeches:

Career Day

Regional Conference, U.S. Indian Service "How Physical

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ANNUAL REPORT OF THE DEPARTMENT OF HEALTH, PHYSICAL EDUCATION  
AND RECREATION FOR MEN

- VIII. (b) Education Activities May Be Made Functional in all Grade Levels".
- (c) Mr. John Williams made radio and television appearances in connection with water safety, survival, and aquatics in general.
- (d) Dr. Lloyd R. Burley gave the following speeches:
- "Education Administration in Norway" Education Administration Class - Dr. Petty.
- "Recreation in Norway" Public School Recreation Staff.
- "Future Development and Improvement of Graduate Programs, the Recruitment and Admission of Students" U.N.M. College of Education Faculty.
- "Norway As I Saw It" Optimists Club
- "Norwegian Education" Phi Delta Kappa
- "Sports and Recreation in Norway" Secondary School Principals Luncheon
- "Scandinavian Physical Education and Sports" N.M.A.H.P.E.R.
- "Education in Norway" A.A.U.P.
- "A Travelogue of Norway" Unitarian Men's Club
- "The National Physical Fitness Test" N.M.A.H.P.E.R.
- "Education in Norway" Phi Kappa Phi Annual Lecture
- "Demonstration of Organization and Administration of the National Physical Fitness Test" Central District N.M.A.H.P.E.R.
- IX. Activities in learned and professional societies.
- See Annual Supplement to Biographical Record.
- X. Important study and travel: None
- XI. Gifts: None

The Report of the Department of Health and  
Physical Education for Women  
July 1, 1958 - June 30, 1959  
Mercedes Gugisberg, Chairman

1. Significant achievements during the academic year, 1958 - 59.

(a). Curriculum.

A major in recreation leading to the Bachelor of Science in Health and Physical Education has been approved by the University Faculty. The purpose of this major is to prepare students for positions as recreation leaders and supervisors in public and private agencies. This major was developed by a committee representing various Departments in the Colleges of Education, Fine Arts, and Arts and Sciences. Miss Frances McGill served as chairman of this committee. It should be mentioned that Miss McGill has been working to build interdepartmental understanding of the need for a recreation major since the development of a recreation minor in 1948. As a result, in the construction of the undergraduate recreation major inter-disciplinary cooperation was readily achieved during 1956-1959. The interdepartmental committee has also recommended that the emphasis on the graduate level should be on the training of directors of recreation programs.

(b). Budget.

Significant improvements which were achieved for the ensuing year are: the addition of an instructor; an increase in secretarial time; a full time matron in Johnson Gymnasium; and, an allotment of money for intramurals and extramurals.

(c). Facilities.

A new floor in and the painting of Carlisle Gymnasium have provided a fairly attractive facility.

The construction of several outdoor fields is in progress.



(d). Recruiting.

The Fourth Annual Sportsday for High School Girls in golf, tennis, and swimming was held in May. Not only has this sportsday had a stimulating effect encouraging participation of more girls in sports but also it has served as a model demonstrating to high school girls' physical education teachers how a sportsday should be conducted.

(e). Dance.

Miss Elizabeth Waters' Dance Concert which was presented in April can be rated the outstanding performance of her career as director and choreographer. Within this community, Miss Waters has also achieved distinction for her choreography in Billy The Kid as part of a Civic Symphony Concert, and for her direction and choreography in the Bartered Bride, a production of the Music Department. Miss Waters has continued to give lecture-demonstration recitals in Tucumcari and Los Alamos. Miss Ann Sallemi, a student of Miss Waters, has received a scholarship from the Connecticut College of Dance for its summer session. This Department jointly sponsored a Folk Dance Festival with the local YWCA International Folk Dance Group. Miss Milliken served as the University coordinator.

(f). Community Service.

Miss Frances McGill has served as the chairman of Water Safety for the Bernalillo County Chapter of American Red Cross. She has provided leaders for youth programs as requested by sponsors of various community groups. Mrs. Charlotte Piper has taught swimming classes for the American Red Cross and has provided leadership in the Little League Tennis Program and in the Sandia

Base Church School. Miss Mercedes Gugisberg is a member of the Board of Directors of the Albuquerque Mental Health Association. This Department made a distinct professional contribution through the organization of its second annual conference for high school girls' physical education teachers. This was held in Ruidoso in January. Over 60 teachers attended to study curriculum problems in the light of social changes for girls and women.

Various times Miss Frances McGill has been called into the State Department of Education to meet with the State Director of Health, Physical Education, and Recreation and with the Committee of the Girls' Division of the New Mexico High School Activities Association which was appointed to formulate recommendations for the control of high school girls extramural competition. In December, these recommendations were approved by the State Board of Education designating authority in the control of high school girls competition and approving standards of competition. Two points should be noted. (1). The recommendations presented to the State Board of Education had been fashioned out of the resolutions formulated in the Conference on Extramural Competition for High School Girls conducted by this Department in January, 1958. (2). The Action of the Board of Education in December, 19~~58~~<sup>59</sup> culminated twelve years of work by this Department in the development of standards and control. In 1946, this Department started a series of meetings of representative high school teachers of girls' physical education, principals, and superintendents to consider the state-wide interscholastic problem. Several years later, the Girls' Division of the New Mexico High School Activities Association was formed. Undoubtedly, this Department can share in the acclaim now being extended to this

state for its progress in the administration of the high school girls' extramural program.

(g). Extramurals.

The Fourth Annual William H. Tucker National Intercollegiate Golf Tournament was held in October. This Department sponsored the Women's Division with an increasing field of 18 women from 5 states.

During the year, the University women have attended one out-of-state sportsday in Fort Collins, Colorado, and they have participated in two in-state sportsdays at Las Vegas and Silver City. The Swim Team competed in three meets at Fort Collins, Tempe, and in Albuquerque.

One of the University students, Miss Lil Lou Waid, was appointed to a national committee of the Athletic and Recreation Federation of College Women to study standards of competition in extramurals for college women. She is the only student representing college women on this committee.

2. Significant plans and recommendations for the near future.

(a). Curriculum.

There is a need to develop a program on the campus for students with special health problems who can benefit from exercise therapy. As this phase of the service program is developing, efforts are being made through contacts at the New Mexico Rehabilitation Center and the Lovelace Clinic to provide laboratory experiences in exercise therapy with children of school age for the majors in health and physical education.

Plans are made for further development of folk, social, and square dancing in the service and major curricula emphasizing research in the various types of native folk dance.

It is strongly recommended that every effort be made in 1959-60, to expand the function of the University in health education including school and public health. It is also recommended that a safety education center be established.

It is strongly recommended that ~~in~~ the Men's and Women's Departments undertake a study of the needs of college men and women today as related to prescribing course experiences in health and physical education in the service program.

(b). Budget.

The staff must be increased to provide an adequate number of activity classes; to implement curricula changes needed in the major program; to reduce teaching loads allowing time for writing, research and more participation in local, state, and national organization, and consultant service; to renew alumnae contacts; to provide for extramural competition in a greater variety of sports, and to count such responsibilities on the teaching loads;

In addition to these staff assignments, the staff will need to be increased in the coming year to allow the women to continue to participate in the graduate, recreation, and camping programs, and to provide at least one class in exercise therapy in the service program. For these positions, women should be sought who have specialized in recreation, health education, and therapeutics; and, at least one of these should have a doctor's degree.

(c). Outdoor Facilities.

A master plan of the outdoor facilities to fulfill class, student and staff recreational and instructional needs should be completed including areas for fields, courts, archery range, camping, and golf practice and recreational games areas. A matter of urgency is the construction of 16 tennis courts in one area.

With the erection of the Student Union Building, the selection of a site of the construction of a Fine Arts Building, and the suggested off-campus construction of a stadium, the Women's Department is becoming more isolated and remote from outdoor facilities. Questions arise. Can all outdoor classes be serviced from the locker-dressing-shower room in Johnson Gymnasium? If not, will some means of transportation from Carlisle Gymnasium have to be provided? Will the isolation of Carlisle necessarily hasten the construction of a Women's Building on the site designated east of Mesa Vista Dormitory and north of Johnson Gymnasium?

This Department continues to recommend the selection of a site in the Jemez or Taos Mountains for an all-purpose, all-year instruc-

tional and recreational camp to be used by various departments, students, faculty, and staff.

(d). Indoor Facilities.

Every effort should be made to complete the over-all renovations in Carlisle Gymnasium in 1960.

Another indoor pool is needed. The present pool is used to capacity. Until another pool is available it may be inadvisable to require a swim test of all students.

(e). Coordination of Men and Women's Department.

Interdepartmental committees in health education and in recreation will help to coordinate the work of the two departments in these areas.

(f). Community and in-state service.

The annual January conference of teachers of high school girls physical education should be continued. A pre-NMEA conference on elementary school playgrounds is being planned. An annual conference at this time is being considered emphasizing each year another phase of elementary physical education with the purpose of upgrading physical education in elementary schools.

A conference for teachers on alcohol and narcotic education with a mental health approach is being planned. In cooperation with the New Mexico Commission on Alcoholism it is likely that certain members of this Department may be instrumental in developing an interdepartmental approach to a Conference on Alcoholism.

3. Appointments to the staff.

Miss Sharel Anderson, Instructor, May 11, 1959

4. Separations from staff.

Mrs. Lucille Gatton, part-time instructor, June 10, 1959

Mrs. Elna Richardson, part-time instructor, June 10, 1959

8. Other professional activities.

(a). Mercedes Gugisberg

Consultant in the development of the playground at the San Ignacio School.

Consultant to the Steering Committee of the Albuquerque High School Teachers of Girls' Physical Education.

Chairman of the Planning Committee for the Ruidoso Conference on Curriculum in Physical Education.

(b). Charlotte Piper

Sponsor of the Annual Watershow and the Swim Team.

(c). Gladys Milliken

Campus coordinator for the Folk Dance Festival sponsored jointly by this department and the YWCA International Folk Dance Group.

Advisor to the Major-Minor Club.

Member Building Committee.

(d). Elizabeth Waters

Lecture-demonstration recitals at Los Alamos and Tucumcari.

Choreography for Billy the Kid, Civic Symphony Concert.

Choreography for the Bartered Bride, Opera Workshop, Music Department.

Dance Workshop Concert in Carlisle.

TV interview with Ruth Page.

(e). Frances McGill.

Planning Committee for the Ruidoso Conference for High School Teachers of Girls' Physical Education studying Curriculum Problems in Physical Education.

Advisor for the Women's Recreation Association.

New Mexico Fitness Testing Committee of the New Mexico Youth Fitness Council.

Member of the Advisory Committee to the State Board of Education and the Girls' Division of the New Mexico High School Activities Association.

Member of Student Affairs Committee.

9. Activities in learned and professional societies.

(a). Mercedes Gugisberg

Member of Committee on Health Instruction of the American Public Health Association.

Chairman of the Health Careers Committee of the New Mexico Public Health Association.

Chairman of the Committee on Higher Education of the American Association for University Women.

State Membership Director of the American Association for Health, Physical Education, and Recreation.

Advisory Committee of the Southwest District of the American Association for Health, Physical Education, and Recreation.

Vice-President for Health Education of the New Mexico Association for Health, Physical Education, and Recreation.

(b). Frances McGill

Granted permanent status as national judge for the New Mexico Board of Women Officials.

Executive Committee of the New Mexico Recreation Association and its program Chairman for the 1959 State Convention.

Chairman of the Rodeo Committee and State Basketball Chairman for the Division of Girls and Women's Sports of the AAHPER.

(c). Gladys Milliken

Secretary of the New Mexico Chapter of AAUP

Honor Awards Committee for the Southwest District of the American Association for Health, Physical Education, and Recreation.

Legislative Committee of the Western Society for Physical Education of College Women.



# THE REPORT OF THE DEPARTMENT OF SECONDARY EDUCATION

July 1, 1958 - June 30, 1959

Wilson Ivins, Chairman

1. Achievements during the Academic Year, 1958-1959. The department was hampered during the year in the further development of its program by the necessity of continuing to accomodate the absence of one member through use of part-time students and teaching assistants. Despite this handicap considerable progress was made. Under the leadership of Prof. Runge much was accomplished in the development of a better understanding in related special departments of the problems of student teaching in secondary schools for which the department assumes responsibility. Similarly, Prof. Runge and Ivins worked with the Dean's Coordinating Committee in explaining problems of the student teaching program. In this same committee, discussion of the problems of adequate subject matter preparation of secondary school teachers led to a meeting near the end of the year in which chairmen of subject matter departments in the College of Arts and Sciences agreed to study the adequacy of their recommended major and minor program for students who intend to teach.

The plan adopted last year, of using the departmental graduate assistant as an advisor for students in the department, was continued. Mr. Jim Mealy, who was the departmental assistant, did superior work throughout the year in advising students and in working in close harmony with the Dean's office in checking effectively the status of students nearing graduation. As a new phase of this work Mr. Mealy, at the direction of the chairman, did a

critical analysis of the records of the 44 students completing their preparation this year. This analysis was most revealing with regard to certain questions concerning the background, preparation, and achievement of students who came into the secondary teaching program through various channels. A copy of the synopsis of this analysis has been distributed to other department chairmen in the college and to the Dean. In general, the two years of experience with two different departmental assistants has strengthened our original belief that this employment of the graduate assistant is one of the most effective that can be made, resulting in great benefit to both the assistant and the department. \*(See after item 11.)

2. Plans and Recommendations for the Future. The members of the department have not forgotten the comprehensive study and planning of the program in which they engaged two years ago. They continue to hold these plans in abeyance but found them valuable in discussions of the proposed new facilities for the department in the new College of Education building. With regard to the special problem of offering nine semester hours of student teaching, which was mentioned in last year's report, the staff came to the conclusion that we should discourage students from attempting to complete this much work because of the excessive cost involved.

Another phase of our plans for next year involve anticipation of the return of Prof. Crawford to the department, from leave. Members of the department have discussed in some detail possible divisions of labor that can be made when all of our staff are reassembled.

3. Appointments to Staff. The department has been extremely fortunate in securing the services of Robert Duxtator as Assistant Pro-

fessor of Education. Prof. Doxtator, who obtained his doctor's degree from the University of Colorado, comes to us from the University of New Hampshire where he has just completed his fifth year as a coordinator of student teaching. We feel that we are especially fortunate in this appointment because of Prof. Doxtator's expressed interest in the teaching of methods and the supervision of student teachers--two areas in which the department has had its most critical personnel needs.

Mr. John Hoback, a candidate for the Ed. D. degree, was employed in the Fall semester on a part-time basis as instructor in the foundations course and as supervisor of student teachers. He continued this work, which was of superior quality, through the Spring semester and into the 1959 Summer Session. He returned to his post in the Albuquerque Public Schools in the Fall, 1959.

Mr. Norman Greenberg, Principal of Acoma Elementary School, was employed as visiting lecturer during the Spring semester, 1959, at which time he rendered fine service to the department in teaching one section of the course in foundations of secondary education.

Jim Mealy, mentioned previously, should be recognized at this point for the very effective work which he did during the year as departmental graduate assistant. We have been fortunate in securing as his successor, Irving Townsend.

4. Separations from Staff. During the report period Mr. Hoback's, Mr. Greenberg's, and Mr. Mealy's part-time services mentioned earlier were terminated. Also, Prof. Crawford continued on leave throughout the year and Prof. Timmerman indicated in the spring his intention to seek employment at another institution during the next year.

5. Publications. A list of publications of department members follows:

Crawford, Bonner M. "A Decalogue for Ryukyuan Education," Periodical of Education, 50 (January 1959), 2-4.

"Ryukyuan Education Undergoing Great Innovation," Okinawa International, 2 (April 1959), 7-9, 15.

"Ryukyuan Education White Paper," Okinawa Graphic, 2 (April 1959), 4-5.

Ivins, Wilson H. "Student Marriages in New Mexico Secondary Schools, 1957-58 - A Follow-Up Study," unpublished, 9 pages.

"Books," (A Monthly Review Page), New Mexico School Review.

"How Can Senior High School Best Provide for the Academically Trained Student," The Bulletin of the NASSP, V43-N246 (April 1959), 27-28.

"What is the Purpose of the American High School?," Spotlight, Journal of the NMSBA, V3-N 5&6 (April and May 1958), 7-9. (Also editorship of this special issue.)

Runge, William B. "Report of an Investigation to Determine Petroleum Jobber Attitudes Toward the Study of Management," A survey made in New Mexico for Petroleum Jobbers (Mimeographed) 11 pages.

"Report of the First Year Educational TV Program at UNM (Typed copy), 79 pages.

Timmerman, Eugene. "The Social Studies Lay the Foundation for Education in a Democracy," New Mexico School Review, (November 1958).

6. Completed Research Projects. Mention has been made already of the analysis of the records of the departments graduating seniors as it was performed by Mr. Mealy under the direction of the Chairman. In addition, the follow-up study of the student marriages in New Mexico secondary schools, noted above, was completed by Prof. Ivins. Also, Prof. Runge completed his work in evaluating teaching in the University television program, which was commissioned by the Division of Extension, Summer Session, and Community Services.

7. Outside-Sponsored Research. None was done during the period of this report.

8. Other Professional Activities. As indicated in the individual reports, Prof. Crawford made numerous speeches for professional

organizations in the Ryukyus Islands, wrote several articles concerning Ryukyuan education and made commencement addresses to American dependent Schools.

Prof. Ivins continued his services to the NMEA by preparing the monthly book review page for the New Mexico School Review, served as consultant at the Raton Public Schools Pre-School Conference, taught an extension course in guidance at Jemez Springs, made numerous speeches concerning education to various organizations, served as a member of the University Steering Committee for the North Central Association visitation, acted as research person at two Leadership Seminars for the AEC, acted as chairman of the Coordinating Committee of the several departments preparing secondary teachers in the College of Education, and served as member of the University Policy Committee.

Prof. Runge completed his work of evaluating the UNM TV program, continued to serve as professional consultant for the New Mexico Petroleum Jobbers Association, made written analyses and formal presentation of problems of student teaching to members of the staff in the College of Education, served as chairman of the evaluating committee for the North Central Association at Sandia High School, evaluated the 1959 National Distributive Education conference, was secretary-treasurer of the New Mexico Vocational Association, served as member of the Board of Trustees for National DE Clubs of America, was member of the Advisory Board of Education in the Petroleum Industry Association, acted as a member of the Education Doctorate Committee and worked in the Joint Teacher-Education Committee with the public schools, assisted the executive committee of Phi Delta Kappa and the Advisory Committee of the Public Schools (on Vocational Education.)

Prof. Timmerman directed the evaluation for the North Central Association of four high schools in the state and served as chairman at one of them. At the end of the spring semester he conducted a workshop in secondary education at the University of Houston. In addition to these activities he served as consultant at the spring conference of the New Mexico Association of Secondary Schools Principals, made numerous talks and addresses to organized groups in the state, taught two extension courses at Belen, New Mexico, and presented the annual report of the New Mexico State Committee of the North Central Association to the reviewing committees at the annual national meeting of the North Central Association in Chicago. He also served as a member of the University Honors Committee and was sponsor of the University Student Educational Association.

Prof. Brown served as consultant for the New Mexico State Industrial Arts Guide (New Mexico Department of Public Instruction), member of the evaluation team for the North Central Association at Menaul School and Rio Grande High School, member of the University Athletic Council, chairman of College of Education Scholarship Committee, and guest speaker at the National Cosmetology School Convention in New Orleans speaking on the topic "Teaching Methods in Beauty Schools."

Mr. McClary obtained practical experience in his field, as required for his field, by working during the summer vacation as construction foreman for the Mossman Construction Company in Albuquerque and served as a member of the University Student Affairs Committee.

9. Activities in Learned and Professional Societies. All of the

professors in the department are members of several professional organizations and serve these organizations to the extent that any member serves. Beyond this, however, Prof. Ivins coordinated the Annual Spring Conference of New Mexico Associations of Secondary-School Principals and made a formal presentation at the National Convention of the National Association of Secondary-School Principals. Prof. Runge served as a member of the Board of Trustees at the annual meeting of National DE Clubs of America at Williamsburg, Virginia and Tacoma, Washington, and presented his findings in a commissioned survey of the Education Board of the Petroleum Jobbers Association in Chicago, Illinois.

10. Important Study and Travel. Prof. Crawford continued his appointment as first officer for education in the Ryukyus and received commendation for his effective work from the commanding general in that area. In the course of this service he made numerous trips and observations in Japan and other parts of the Orient.

11. Gifts. None.

1. (cont'd)

At its June, 1959 meeting, the general faculty of the University of New Mexico approved (1) a general proposal for a Master of Arts in Teaching degree which could and possibly would relate to several different teaching fields, and (2) a specific degree proposal submitted jointly by the Department of Modern and Classical Languages and the Department of Secondary Education, labeled "Master of Arts in Teaching Spanish." The details of both these approved programs are given in the statements included below.

April 23, 1959

TO: Faculty of College of Education

FROM: Wilson Ivins, Chairman  
Department of Secondary Education

SUBJECT: Proposed New Master's Degree in Education

1. Title

The title of this degree shall be Master of Arts in Teaching (selected subjects).

2. Purpose

This proposed degree in the College of Education should be viewed as one making possible the effective cooperation of the College and various departments in the College of Arts and Sciences in the graduate year preparation of teachers, to the highest degree yet seen in the University. As such, the degree is evidence of the belief of both professional educators and educators in the fields of Arts and Sciences that preparation on the graduate level in both of their fields, respectively, is needed by the best teachers. Further, the degree recognizes that the desire of some teachers to improve their preparation on the graduate level by devoting most of their master's program to study of subjects they teach is both legitimate and desirable.

This degree proposal also represents sensitivity of the College of Education to the movement of events and demands and needs of the nation as represented by strenuous efforts to improve teacher preparation through special programs by such agencies as the great private foundations, the National Science Foundation, and The United States Office of Education. Because one specialized degree<sup>1</sup> has already been approved by the general faculty, another is about to be proposed,<sup>2</sup> and similar degrees will probably be proposed in the future, the College of Education now wishes to propose this broad framework into which any such special degree proposals would fit.

If this proposed degree framework were approved, basic principles for this kind of cooperative effort in graduate preparation of teachers would be established and the need for protracted study and debate of future proposals of this nature would be eliminated.

The faculty of the College is fully aware of the broad implications and the importance of this step in the direction of greater cooperation between subject matter departments and the College and believes the step is a proper one to take.

<sup>1</sup> The Master of Education in Science

<sup>2</sup> The Master of Arts in Teaching Spanish



The proposed degree framework is one designed to meet the requirements of Plan II as presently described in the Graduate Bulletin. In actual use the exact wording of the degree awarded to the student would be, for example, "Master of Arts in Teaching Spanish" rather than the "Master of Arts in Teaching." In principle, however, we seek approval of the framework for the degree "Master of Arts in Teaching" rather than any or all of the specially designated degrees under the framework. If the framework is approved, it can then be used for any subject subsequently approved by the general faculty.

### 3. Requirements for Admission to Program

Persons fulfilling the following requirements would be eligible to enter this degree program.

- 3.1 Must hold a baccalaureate degree
- 3.2 Must have had at least 24 semester hours of course work in the subject to be offered as a major in the master's degree.
- 3.3 Must have had at least 18 semester hours of professional education and teacher certification in the state of his residence.
- 3.4 Undergraduate program must have included an amount and type of general education comparable to that required at the University of New Mexico.
- 3.5 Must meet other requirements listed in current Graduate Bulletin.
- 3.6 Deficiencies in any of the requirements listed above may be made up during the course of the degree program.

### 4. Requirements for Degree

- 4.1 22-26\* semester hours of course work approved for graduate credit in the subject field chosen as a major. Such work must be approved by the subject matter department concerned.
- 4.2 8-12\* semester hours of professional education course work approved for graduate credit. This work must be approved by the Department of Secondary Education in the College of Education. Upon agreement between the Department of Secondary Education and the subject matter department concerned, instructors for some of these courses may be chosen from the faculties of either of these departments, depending upon the nature of the course and the qualifications of the instructor.

- 4.3 A total of not less than 32 semester hours of graduate work.
- 4.4 All other general requirements now listed in the Graduate Bulletin.

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\*The range of hours in course work in both subject and professional fields is here included to make possible adjustment to variations between proposals in the designation of certain required degree courses as "exclusively subject matter", "exclusively professional education", and "subject matter--professional education". In any instance the degree will require a minimum of 32 semester hours of graduate work.

April 21, 1959

TO: Dr. E. F. Castetter, Dean of the Graduate School

FROM: R. M. Duncan, Chairman, Department of Modern and Classical Languages

SUBJECT: The Master of Arts in Teaching Spanish

The U. S. Office of Education has designated the University of New Mexico to operate an Institute for Secondary School Teachers of Spanish during the academic year 1959-60, if the Congress passes the supplemental appropriation for the National Defense Education Act. In preparation for this Institute, we request approval for a Master of Arts in Teaching Spanish.

### Prerequisites

1. A baccalaureate degree with 24 hours of Spanish beyond first year elementary courses
2. Eighteen hours of education courses and teacher certification in the state of the student's residence
3. Four hours from among the 100-level courses in Spanish listed below under "Requirements"

Note: Provision is made for students to enroll for the degree with deficiencies in the above prerequisites which may be made up after entrance.

### Requirements

1. Thirty-two hours of graduate work in Spanish and Education, including all of the courses listed below, (Students who present any of these courses on entrance may use the hours for electives in Spanish or Education, or for making up entrance deficiencies.)

|  |   |
|--|---|
| Spanish 101-2 (Advanced Composition and Conversation)                              | 6 |
| Spanish 145 (Hispanic Civilization)  | 2 |
| Spanish 146 (Spanish-American Civilization)  | 2 |
| Spanish 151-2 (Survey of Spanish Literature)                                       | 6 |
| Spanish 153 (Spanish Phonetics)  | 2 |
| Spanish 201 (History of the Spanish Language)                                      | 3 |
| Education 254 (Spanish 254) (Application of Linguistics to Language Instruction)   | 3 |
| Education 255 (Spanish 255) (Techniques of the Language Laboratory)                | 3 |
| Education 256 (Spanish 256) (Proseminar in Problems of Language Instruction)       | 3 |
| One other Education course to be approved by the Department of Secondary Education | 3 |

2. Reading knowledge of another foreign language
3. Written and oral examination to test proficiency in use

- 2 -

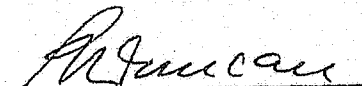
of Spanish

4. Fulfillment of all requirements set forth in the Graduate Bulletin for a Master's degree without thesis

Examining Committee

The examining committee will include a member of the College of Education.

Respectfully submitted:



R. M. Duncan, Chairman,  
Department of Modern and  
Classical Languages

Approved:



Chester C. Travelstead, Dean,  
College of Education

THE REPORT OF THE COLLEGE OF ENGINEERING  
July 1, 1958 - June 30, 1959  
M. E. Farris, Dean

A report from the chairman of the division of architecture and from the chairman of each department of the College of Engineering is included, and no effort will be made here to cover all the topics discussed in these reports. This report will expand on areas that are, or will soon be, in the critical stage in the development of the college.

At the present time, the space allocated to the College of Engineering is being used to capacity and in some cases, such as that of electrical engineering, the space is inadequate for the current program. The question of space is also a problem in the division of architecture, and is discussed by Professor Heimerich in his report. Since the space needed by the College of Engineering will be inadequate long before additional space can be planned and built, it is urgent that plans be initiated in the near future to house the college adequately.

Several suggestions have been made by members of the engineering staff to meet the space requirements, and some of these have been included in the departmental reports. I should like to suggest two alternatives that might be followed to develop adequate space for all departments in the college.

The first proposal would be to construct a new electrical engineering building that would adequately house this department for undergraduate and graduate instruction and for their

research programs. Mechanical engineering could then move into the present electrical engineering building, and the space now occupied by mechanical engineering could be allocated as needed to chemical, civil, or mechanical engineering. Since the enrollment in the department of electrical engineering has been exceeding forty per cent of the engineering college enrollment, the plan would offer considerable relief to the housing problem for the whole college. It should be added that the drawing department, now housed in temporary buildings, should be provided for in the new building.

The second proposal would be to construct a new engineering building to house the college administrative offices, some faculty offices, classrooms, lecture rooms, drawing and design rooms, and all special-purpose rooms. Such an arrangement would free the present buildings for laboratory instruction and research.

Another item that should receive immediate consideration is that of laboratory equipment. This need is more urgent in some departments than in others, but it is of concern in all departments. I believe that it is safe to say that the engineering laboratories at the University of New Mexico are less adequately equipped than at any of the state universities or land grant colleges in the Southwest, unless it is New Mexico State University. In making this statement, I am thinking of

the engineering schools in Texas, Louisiana, Arkansas, Oklahoma, Kansas, Colorado, Utah, and Arizona. Our laboratories have been deteriorating since World War II, and are rapidly becoming obsolete. The pattern of engineering education has changed rapidly since World War II, and the demand for graduate work in all engineering fields has progressively increased. These changes have brought about new concepts in relation to laboratory equipment and instruction. In their reports for the past few years, the department chairmen have discussed their laboratory equipment needs, and last years report had a lengthy discussion on the maintenance of an adequate laboratory.

The graduate program in the College of Engineering has grown rapidly in the past few years primarily because of the needs and the cooperation of the Sandia Corporation and the Los Alamos Scientific Laboratories. More than half of the graduate load is in electrical engineering, with approximately twenty-five per cent in mechanical engineering, and with most of the remainder in civil engineering. There is every indication that the graduate programs in electrical and mechanical engineering will expand still further. To meet this challenge, a master's degree program is offered by each department and the Doctor of Science program is being expanded to include majors in areas in addition to those in the electrical field. The departments concerned with most of the graduate work are building



their teaching staffs with the graduate program in mind, and a great deal of progress has been made in this direction. In addition to the primary staff required to teach the undergraduate and graduate program, there is need for a secondary staff such as teaching assistants, teaching associates, graduate assistants, laboratory technicians, and secretaries. This secondary staff is inadequate at the present time for the size of our graduate program, and should be expanded immediately so that better use can be made of our senior staff members. A core of senior staff members with adequate support from a secondary staff is an economical way to care for a large undergraduate and graduate program.

The engineering experiment station was reorganized this past spring, and all projects are now the responsibility of the department chairman concerned and of the Engineering Experiment Station Committee. It is the purpose of the committee to determine policy and operating procedures for the experiment station. The chairman of the committee will be the Associate Director of the Engineering Experiment Station. The following faculty members were appointed by my office to serve on this committee: W. W. Grannemann, chairman; R. C. Dove; R. H. Clough; D. C. Thorn; and P. E. Bocquet.

The engineering experiment station currently has eleven projects in electrical engineering, three projects in mechanical engineering, one project in civil engineering, and one project in chemical engineering. Each of these sixteen projects is

under the direct supervision of a member of the teaching staff, with the aid of a supporting staff, such as research associates, research assistants, teaching assistants, etc. Thirty to forty people are involved in the program, and it is necessary to switch various personnel from teaching to research and back, in order to balance the teaching and research loads.

The engineering experiment station is operating without a budget, and one is urgently needed. There are a number of projects that should be carried out for the benefit of the state that do not meet the requirements of contract research. Such a budget would also aid in building up the graduate program in all departments, and would be of great value in attracting and holding a first-class faculty as well as an adequate supporting staff. Each year it is becoming more difficult to get and to hold senior faculty members of the quality necessary for a graduate and research program; therefore, any plan that will help solve this problem should be encouraged.

THE REPORT OF THE DEPARTMENT OF CHEMICAL ENGINEERING  
July 1, 1958 - June 30, 1959  
T. T. Castonguay, Chairman

1-2. ACHIEVEMENTS, PLANS AND RECOMMENDATIONS

The Accreditation Committee of the American Institute of Chemical Engineers through the report of its representative, Dr. McKetta has made certain observations as reported by RCPD in a letter to President T. L. Popejoy, October 22, 1958.

In regard to Chemical Engineering, the observations were as follows:

This department is not yet ready for accreditation. Of the three staff members, two are new this year and time is needed to determine if staff instability problems are under control. The curriculum is generally satisfactory, but rather standard. It is short in the requirements in humanities.

A most important deficiency is in adequate space for scholarly research, and in general mechanical assistance in the laboratories. The staff is required to do too many menial tasks which should be handled by mechanics and teaching assistants, so that more time is available for the staff to carry out research and other professional work. Budget allowances for supplies and equipment are inadequate. Teaching loads are somewhat high and are made effectively greater because of the lack of nonprofessional assistance.

Ordinarily, staff stability in the Chemical Engineering Department should not be an issue at the University of New Mexico; but due to the competition from outside agencies, it is difficult to obtain and hold as Assistant Professors young men who have obtained the Ph.D. Degree.

I believe it is essential that young men be attracted to and trained in the engineering teaching profession rather than bringing Ph.D.'s in from industry and training them as teachers. A good percentage of men coming in from industry are not interested in an Assistant Professorship. Their interest lies in a higher category, e.g., Associate Professor

or above. Professors and students have been handicapped for several years, before men from industry have been able to do a presentable job of teaching.

In this day of curriculum changes, the Department has been cognizant of the emphasis placed on engineering sciences. Because of the constant stress on fundamentals in science and engineering by our staff members, only minor changes in our curriculum have been necessary throughout the preceding years. Our curriculum has been rated as standard at this time. We are certain the students of former years have been in an academic atmosphere with a curriculum considerably above the standard.

Noting the trends in science and engineering education today, it is relatively easy for the Ch. E. Department to make changes in the curriculum. As soon as the newer members of the staff have acquired experience in teaching, changes in the curriculum now under study are contemplated.

The humanistic-social content of the curriculum, a rather controversial subject among engineers, is being given careful consideration to avoid the criticism expressed by the committee about other departments "that it seemed adjustments have been made in some cases to satisfy the committee and have not been thoroughly studied, as curriculum changes usually are."

The space problem in Chemical Engineering has always been an acute one. We have been often asked by companies interested in "contract research" where we could possibly do the work? Likewise the other observations of the Accreditation Committee in regard to staff, mechanical assistance, budget allowance, etc., are not new. These important

problems and their solution are recognized by the Department as an administration problem. However, in regard to the space problem, at a cost of less than that of the average, there is the possibility that a second story addition could be added to the present building on the west side. This addition would bring the second floor in line with the second floor of the Civil Engineering Building. Or, a single story addition could be made to the north of the present Chemical Engineering Building. Neither of these additions are major construction problems and could be undertaken by the Buildings and Grounds Department.

With the marginal number of staff members, graduate work in the Department was reactivated in September 1959. Ten students were enrolled and are in various phases of completing the work towards the Master's Degree. This additional work necessitated a teaching load above the normal, but in this instance was accepted by the staff. Without a graduate program the excellency of the present staff could not be maintained.

The staff members are strong believers in "academic research" which is closely integrated with instruction, and contract research which may or may not be integrated with instruction but would support the over-all graduate program in the engineering college. It has become increasingly apparent that many research activities cannot be entirely restrained within one discipline. The removal of conventional boundaries between departments should help in the research and development phases of missiles and rockets, particularly in the field of propellants. Courses in these important fields should become a part of our evening college program.

Undergraduate students have assisted materially throughout the year in our academic research endeavors and in the functions of the engineer on the following research projects:

1. Classification of New Mexico Crude Oil
2. Flotation of Iron Oxide Ores
3. Reduction of Colitic Iron Ores with Hydrogen
4. Material for Ordnance Components
5. Preparation of Polyurethane and Vinyl High Density Foams

The Department would like to recommend to the administration for consideration the possibility of the Chairman being on a twelve-month basis with his responsibilities being limited during the summer months to administration, teaching, and/or research. From this viewpoint better utilization of some of the buildings and rooms could be used which at the present time are idle for at least three months.

Our seminar programs, particularly in plastic materials during the first semester, and atomic energy and nuclear engineering during the second semester have attracted the attention of industrial concerns, resulting in requests from Naval Ordnance for a small research program, and from industry for a Materials Manual.

The ups and downs in Chemical Engineering enrollment in the different schools throughout the country manifested themselves at the University. Although percentagewise we are above the national average for enrollment in the sophomore, junior, and senior years. Recent government statistics on engineering enrollments show that Chemical Engineers are still losing in percentage strength. Although in absolute numbers there will be more Chemical Engineer graduates this year than any year since 1951, the percentage continues to slide; and the percentage will probably drop for another year.

This information indicates to our staff the need to participate in our orientation program in the engineering college as well as the career guidance program in our junior and senior high schools.

In the graduate field in which we are now participating, it is interesting to watch the relative strength of Chemical Engineers among those receiving advanced degrees. Other engineering fields -- principally electrical -- are putting increased emphasis on advanced degrees. Last year the number of Electrical Engineering Doctorates (144) topped the number of Chemical Engineering Doctorates (127). This has happened only once before in recent history (in 1955), and then only by a margin of two (141 to 139).

Library facilities, both private and public, are used extensively on these research and development projects, and the Department wishes to reiterate now, as it has many times, its thanks to the Library Committee and the Director of the University of New Mexico Library for granting the seniors the privilege to receive stack permits since the Department was founded in 1946.

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 recipients have been:

Mr. Gary D. Bizzell

Research Assistantship in Chemical Engineering--Northwestern University.

Mr. Thomas D. Coughlen

Junior Chemical Engineering Award - The scholarship award of the American Institute of Chemical Engineers for the University of New Mexico. The Standard Oil Company of Texas Scholarship in Engineering.

Mr. Howard D. Simpson                      ASTM Award.

Mr. David W. Sydow                         ASTM Award.

Departmental interest in its graduates as well as the undergraduates has been maintained throughout the years through the issue of Vol. IX of the Christmas News Letter. This letter, mailed to the departmental alumni December 20, 1958, listed the addresses, activities, and achievements of the more than 115 members who have taken their training in the Department since the first graduating class of 1948.

The undergraduate activities of a more social nature which have been a tradition throughout the years are:

- a. The annual Spaghetti Dinner prepared in the Department with attendance last December of 75 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.

### 3. FACULTY

The staff at the end of the school year, June, 1959, consisted of T. T. Castonguay, Ph.D., Professor and Chairman; P. E. Boequet, Ph.D., Associate Professor; and G. A. Whan, Ph.D., Assistant Professor.

4. G. A. Whan, Ph.D., Assistant Professor, resigned from the staff June 30, 1959.

### 5. PUBLICATIONS

Departmental:

Rothfus, R. R., Walker, J. R., and Whan, G. A., "Correlation of Local Velocities in Tubes, Annuli, and Parallel Plates," AIChE Journal, Vol. 4, No. 2, June 1958.

### 6. RESEARCH AND DEVELOPMENT UNDERTAKEN BY THE DEPARTMENT September 1, 1958 to Date

- a. Classification of New Mexico Crude Oil
- b. Reduction of Oolitic Iron Ores with Hydrogen



- c. Flotation of Iron Oxide
- d. Materials for Ordnance Components

#### 7. OUTSIDE-SPONSORED RESEARCH

Naval Ordnance Test Station, China Lake, Calif. \$14,293.10  
 "Physical and Other Properties of Ordnance Components," March 1  
 to June 30, 1959

#### 8. PROFESSIONAL ACTIVITIES

Thomas T. Castonguay:

- a. Consultant, Naval Ordnance Testing Station
- b. Blue Key National Honorary
- c. Member of NMSPE Inter-Society Committee and New Mexico Engineering Council.

Philip E. Bocquet:

- a. Member of Static Research Committee reporting to the Board of Directors of the American Petroleum Institute.
- b. Consultant, Continental Oil Company

Glenn A. Wham:

- a. Senior Heat Transfer Engineer, ACF Industries, Inc., Nuclear Products Division, Summer, 1958; Heat Transfer and Fluid Flow Consultant, ACF Industries, Inc., Sept. 1958-59.

#### 9. ACTIVITIES AND PROFESSIONAL SOCIETIES

Thomas T. Castonguay:

- a. American Chemical Society, 1958-59.
- b. American Institute of Chemical Engineering, 1958-59, Active Member.
- c. American Institute of Chemical Engineering, Nuclear Engineering Division, 1958-59, Charter Member.
- d. American Society of Engineering Education, 1958-59.
- e. New Mexico Society of Professional Engineers, 1958-59, Director.
- f. American Society for Metals, 1958-59.
- g. Sigma XI, 1958-59.
- h. American Rocket Society, 1958-59; Faculty Advisor.
- i. Registered Professional Engineer, New Mexico.

Philip E. Bocquet:

- a. American Chemical Society, 1958-59.
- b. American Institute of Chemical Engineers, 1958-59, Associate Member.
- c. American Institute of Mining and Metallurgical Engineering, 1958-59.
- d. Electrochemical Society, 1958-59.
- e. Registered Professional Engineer, Oklahoma and New Mexico.

Glenn A. Wham:

- a. American Chemical Society, 1958-59.
- b. American Institute of Chemical Engineers, 1958-59, Associate Member.
- c. American Institute of Chemical Engineers, Nuclear Division, 1958-59.

10. TRAVEL

Field trip by departmental personnel to El Paso area, October  
21-26, 1958.

11. GIFTS

- a. Standard Oil of Texas ..... \$500.00 unrestricted
- b. Plastic Mixer, Sandia Corporation ..... 250.00
- c. Mixer and Stirrer, combined,  
Union Carbide Corporation..... 400.00

The Report of the Department of Civil Engineering  
 July 1, 1958 - June 30, 1959  
 W. C. Wagner, Chairman

1. ACHIEVEMENTS:

a. Student Enrollment and Degrees Granted:

The following tables show the enrollment in the Civil Engineering Department for the academic year July 1, 1957 to June 30, 1958 and also for the academic year July 1, 1958 to June 30, 1959.

Academic Year July 1, 1957 to June 30, 1958

|                   | <u>Sem. I</u> | <u>Sem. II</u> |
|-------------------|---------------|----------------|
|                   | <u>57-58</u>  | <u>57-58</u>   |
| Sophmores         | 32            | 30             |
| Juniors           | 41            | 48             |
| Seniors           | 23            | 27             |
| Graduate Students | <u>25</u>     | <u>25</u>      |
| Total             | 121           | 130            |

Academic Year July 1, 1958 to June 30, 1959

|                   | <u>Sem. I</u> | <u>Sem. II</u> |
|-------------------|---------------|----------------|
|                   | <u>58-59</u>  | <u>58-59</u>   |
| Sophmores         | 23            | 27             |
| Juniors           | 49            | 47             |
| Seniors           | 26            | 26             |
| Graduate Students | <u>18</u>     | <u>19</u>      |
| Total             | 116           | 119            |

The number of Civil Engineers receiving undergraduate degrees in Civil Engineering increased by 35 percent in 1959 over that of 1958. However, the number of graduate students receiving graduate degrees was one less in 1959 than in 1958.

| <u>Degrees Conferred</u> | <u>Undergraduates</u> | <u>Graduate</u> |
|--------------------------|-----------------------|-----------------|
| 1958 - February          | 1                     | -               |
| June                     | 19                    | 6               |
| 1959 - February          | 2                     | -               |
| June                     | 25                    | 5               |

b. Curriculum Changes:

There were no deletions or additions of new courses to the Civil Engineering curriculum but there was some transferring of courses from Architectural Engineering to the Civil Engineering Department as follows:

CE 1L Engineering Drawing  
 CE 2L Descriptive Geometry  
 CE 3 Orientation  
 CE 12L Machine Drawing  
 CE 62L Construction Drawing  
 CE 105 Cartography

c. Accreditations:

On October 22, 1958 the Engineering College was informed that the Civil Engineering Department, Mechanical Engineering Department, and the Electrical Engineering Department had been accredited for a period of three years

d. Departmental Organization:

Effective July 1, 1958 Architectural Engineering was discontinued. Engineering Graphics had been under Architectural Engineering since the department was formed. At this time Engineering Graphics courses were transferred to the Civil Engineering Department. This transferred to the Civil Engineering Faculty three staff members, Professor William B. Cafford, Professor Richard G. Ruzarski, and Professor William Clarke.

e. Revenue from Outside Sources (not including Outside Sponsored Research):

Since July 1956, the Civil Engineering Department, through the efforts of Professor 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 \$1,786.06 and the total collected since 1946 reached the sum of \$16,085.36. The revenue from these rentals has been used to purchase modern instruments and teaching aids for the use of the Department. The Department undoubtedly now has the best collection of modern surveying equipment of any school in the West. However, as enrollment increases additional new instruments will be necessary to supplement and replace the present equipment.

During the two weeks Christmas vacation in December 1958, and the week between semesters, Professor May taught two short courses in surveying for the New Mexico Highway Department's program of In-Service Training for its personnel. Revenue from this source included \$400.00 which was deposited in the Survey Rental Fund and expended for new equipment and \$120.00 for supplies deposited to the department Expense and Supply account.

For several years the department of Architectural Engineering has been renting drawing equipment to those students who could not afford the necessary purchases. The funds received from these rentals were deposited in the general

equipment budget fund of the department.

With the abolishment of the Department of Architectural Engineering, receipts from this rental fund were set up in the business office as a special non-depleting fund for purchases of certain small equipment and supplies necessary for the operation of the branch of Graphics now in the Civil Engineering Department. During the school year 1958-59 this fund reached a total of \$248.00. It is expected that the fund for the next school year will equal or exceed this amount.

f. Laboratory Improvements:

On the north side of the Concrete Laboratory is a long cabinet work bench, 26 feet long and on the south side of the laboratory is a similar work bench 16 feet long. The tops of both of these tables were covered with thin sheets of masonite which over a long period of time had become badly worn and very unsightly. In November 1958, Mr. Walker of the Research Division informed this department that he had a number of stainless steel table tops which had been obtained from surplus and were available without charge to any department requesting them. The Civil Engineering Department obtained three of these table tops and installed them on the tables mentioned above. This will enable the Department to hold the bituminous materials laboratories in this room because of the ease with which the asphalt can be cleaned from the table tops. This addition has improved the appearance of the lab to a great degree.

The Concrete moist room used for curing our concrete test specimens had originally been equipped with wooden racks for storing the specimens. Over the last three years these racks had deteriorated to a point where they finally collapsed. These racks were replaced with scoria concrete building blocks and 1½" galvanized steel pipe. These new racks have added considerably to the usefulness and appearance of the moist room and will give service over an indefinite period of time.

### G. Field Trips

In recent years Civil Engineering seniors took a one week field trip to <sup>o</sup>some area in the western part of the United States having a variety of engineering industries and engineering projects of interest. This year the field trip for the seniors was shortened to a three day inspection trip to El Paso, Texas. The class made this trip to El Paso, Texas on April 16, 1959 under the supervision of Professor Martinez. They visited the Corps of Engineers project at Biggs<sup>g</sup> AFB, the Atlas Building Products Company and the El Toro Portland Cement Company. The El Paso Chamber of Commerce entertained the students at a banquet at the International Club, the Portland Cement Association was host for a luncheon and the Atlas Block Company entertained at a breakfast. A number of short one-day field trips to engineering projects of interest in the vicinity of Albuquerque were made by various members of the Civil Engineering staff who were teaching courses at

that time relative to that particular type of construction.

#### h. New Equipment:

Because of the large reduction in the equipment fund of the Civil Engineering Department very little equipment was purchased during the 1958-59 school year. We were however able to purchase the following list of equipment with the small equipment budget allocated:

|  |         |
|--|---------|
| 1 - Strain gage balance box                              | \$56.00 |
| 1 - Baldwin type NA portable strain indicator            | 560.00  |
| 4 - Metal - green upholstered executive chairs with arms | 182.92  |
| 1 - Vacuum pump - Model LT 420                           | 90.00   |
| 1 - L-800 Concrete Aggregate Scale - 70 lb cap.          | 67.00   |
| 1 - L-770 Field Scale - 35 lb. capacity                  | 50.00   |
| *1 - Drum for Los Angeles Abrasion Machine               | 250.00  |

\*The Department had stored with the Buildings and Grounds Department a DeVall Abrasion Machine which several years ago became obsolete for the testing of road materials. A modern Los Angeles Abrasion Machine costs \$1500.00. However, by using the DeVall frame and adding the \$250.00 Los Angeles Abrasion drum, we now have a very acceptable Los Angeles abrasion tester.

Equipment purchased from the Survey Rental Rund, July 1, 1958 to June 30, 1959:

|                                       |            |
|---------------------------------------|------------|
| 1 - Wild T-2 Triangulation Theodolite | \$1,162.80 |
| 1 - 4 drawer letter filing cabinet    | 67.88      |
| 1 - IBM Electric Typewriter           | 295.00     |

An additional Wild T-2 Triangulation Theodolite was secured from Physical Plant surplus property in exchange for a small transit that was no longer needed.



Equipment purchased from the drawing equipment rental fund:

|  |          |
|--|----------|
| 1 - A.B. Dick Electric Duplicating Machine | \$235.00 |
| 1 - Used IBM Electric Typewriter           | 140.00   |

1. 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. The award for 1958-1959 went to Charles Weld.

Between February 11 and February 15, 1958, Professor Ray J. Foss accompanied four senior Civil Engineering students to the National Meeting of the American Society of Civil Engineers convention which was being held at Los Angeles, California. One of the students, Mr. Henry C. Morehead, Jr. presented a paper on "Calcium Chloride in Concrete" in competition with 14 students from various western universities and the Hawaiian Islands. Mr. Morehead won first prize of \$50.00 and a trophy for the content and presentation of the paper.

Mr. Charles Weld, a senior civil engineering student was awarded a \$500.00 scholarship from the Chino Mines Division, Kennecott Copper Corporation. This award was made on the basis of scholastic rating and shown qualities of leadership during at least one year in college.

Mr. Harry W. Montgomery, a graduating senior, was awarded a \$2500.00 fellowship by Ideal Cement Company. In exchange for this fellowship, he must pursue full time graduate studies for the period from September 1959 to June 1960. In addition, the thesis topic must pertain in some way to the application of portland cement.

Other awards and recipients have been made to the following:

|                  |  |
|------------------|--|
| Patrick Callahan | - Blue Key   |
| Ben Snow         | - National Society of Professional Engineers Wives award |
| Jack Bermudez    | - ASTM   |
| James Boardman   | - ASTM   |
| Charles Weld     | - ASTM   |

The Chi Epsilon Fraternity has published and mailed out a civil engineering alumni directory and newsletter.

## 2. PLANS AND RECOMMENDATIONS:

### a. Supply Fund for Graduate Students:

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 1960-61, a special Graduate Fund of \$1000.00 be set up for the Civil Engineering Department.

b. Equipment Needed:

Modernization of the fluid mechanics laboratory equipment is a necessity. The existing water distribution and measuring system consisting of large centrifugal pumps, a solid concrete hydraulics tank and flume, was built nearly 30 years ago and is entirely outdated. New pumps, glass walled tanks and flumes with appropriate devices and instruments for measuring liquids and gases should be installed so that the student can observe the basic flow phenomena which occur in a flowing fluid and about which he is studying in the lecture part of the course.

Another laboratory area which badly needs modernizing is that associated with the testing of pavement and base materials for highways and airports. As recently as two years ago, this Department conducted special training courses for soil technicians of the New Mexico State Highway Department. This has been discontinued, however, because of our lack of modern highway testing equipment. There are two major pieces of testing equipment which are particularly needed, these being the California kneading compactor and the latest Hveem stabilometer.

c. Building Needs:

On July 1, 1958 the drawing department consisting of three full-time faculty members was transferred from Architectural Engineering to the Civil Engineering Department. The drawing department is now located in two old temporary wooden buildings just north of the University heating plant. It is recommended

that a new Engineering Building be built for housing the Civil Engineering Department which should include lecture rooms, offices, lab space, and large drawing rooms for the freshman and design rooms for the upper classmen. If this building could be built it would then be possible to give part of our present space to the Chemical Engineering Department which is exceedingly cramped in their present quarters.

### 3. APPOINTMENT TO STAFF

#### Full Time:

On September 1, 1958 Mr. Kenneth G. Medearis was employed as an Assistant Professor to teach structures and to take charge of the strength of materials and Mechanics (statics) which are taught to all branches of engineering.

Mr. Richard G. Vaughan was employed September 1, 1958 as an instructor to teach mechanics (statics), strength of materials laboratory and materials of construction laboratory.

Mr. Roland L. Finley was employed September 1, 1958 as instructor to teach drawing, surveying and mechanics (statics)

### 4. SEPARATIONS

None

### 5. PUBLICATIONS

#### (a) Books:

CLOUGH, RICHARD H. Construction Management and Business Practice textbook in process of being published by John Wiley and Sons, Inc.

b. Articles:

CLOUGH, RICHARD H. An Appraisal of Flexible Pavement Design Methods. Texas Transportation Institute, 1958

ZWOYER, EUGENE, Protection of SAC by Dispersal, AF 05(604)32.  
A Protective Alert Shelter for SAC Aircraft, AF 18 (600)1636.  
Report on Closures for Underground Silos, AF-04(647)192  
Report on Protective Structures for Air Defense Weapons, RAND Corp. Oct. 17, 1958

SAC Hard Core Base Design, RAND Corp.

Repeated Dynamic Loadings on B-52 Shelter Covers, RAND Corp. Nov. 3, 1958

ROMARC Underground Shelters - Revised Publication, RAND Corp.  
Strength in Shear of Beam Without Web Reinforcement, by M. A. Sozen, C. P. Siess, and Eugene Zwoyer, University of Illinois Engineering Experiment Station Bulletin No. 452, April 1959.

c. Directories:

FOSS, RAY J., "Civil Engineering Alumni Directory, 1959, sponsored by Chi Epsilon, published by ACACIA Printing Co.

6. COMPLETED RESEARCH PROJECTS:

ZWOYER, EUGENE M., "Shear Strength of Simply Supported Prestressed Concrete Beams with Web Reinforcement", sponsored by the National Research Science Foundation to the extent of \$10,200 has been completed.

7. OUTSIDE SPONSORED RESEARCH

CLOUGH, RICHARD H., "Research on Bituminous Pavements Using the Sand Equivalent Apparatus", for the New Mexico State Highway Department in the amount of \$10,000.00. Project started in February 1959.

Participating professor in National Science Foundation grant to UHM College of Engineering for training of high-school science teachers, summer 1959.

MARTINEZ, JOSE E., participating professor in National Science Foundation grant to UHM College of Engineering for training of high-school science teachers, summer 1959.

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 highway and building projects.

FOSS, RAY J.

Faculty Advisor to Student Chapter of American Society of Civil Engineers and Chi Epsilon Fraternity.

Attended local sections conference of ASCE in Los Angeles, California.

Accompanied 4 students to national ASCE meeting at Los Angeles, California.

MAY, MARVIN CLARK

Read paper at fall meeting of ASCE, at Las Cruces, New Mexico.

Program Chairman for state meeting of ASCE, Albuquerque, May 16, 1959.

Consulting engineer in subdivision and land planning work.

ZWOYER, EUGENE M.

See Item 5

MARTINEZ, JOSE E.

Consultant to Ross-Beyer Engineering Office on various sanitary engineering problems.

Member of New Mexico State Board of Registration for Professional Engineers and Land Surveyors for 1959-60.

Member of Board of Standards and Appeals for City of Albuquerque.

Member of Committee Five, Applied Hydraulics, American Society for Engineering Education.

Presented paper "Specific Hydrology Problems" at Highway Drainage Conference at Santa Fe, February 1959.

Presented paper at annual meeting of American Association for Engineering Education at Southern Methodist University Dallas, Texas.

Freshman Advisory Committee and Schedule and Enrollment Committee.

**CLOUGH, RICHARD H.**

Attended Southwest District Meeting of American Society for Engineering Education in Las Cruces, March 26-27, 1959

Chairman of Education Committee, Associate General Contractors of America.

Attended first annual Soil Mechanics Conference, Colorado School of Mines, April 23, 1959.

Attended ASCE meetings in Las Cruces (October 1958), Santa Fe, (January 1959), and Albuquerque (May 1959)

Presented paper "Problems of the Construction Industry", ASCE Student Section, November 19, 1958.

Presented paper, "An Educator's View of Civil Engineering Curricula" to state meeting of ASCE, Las Cruces, October 31, 1958. Pan

Panel member " Accreditation of Civil Engineering Curricula" ASEE southwest meeting, March 26, 1959.

Member Board of Standards and Appeals City of Albuquerque.

Graduate Advisor, Department of Civil Engineering.

Chairman of Service Course and Education Committee, College of Engineering.

**HUZARSKI, RICHARD G.**

Spoke at the ASEE convention at Berkeley and at a regional meeting in Las Cruces.

Member of the University Policy Committee, Freshmen Advisory Committee, and the Administrative Committee.

Sponsor for the New Mexico Rocket Society.

**9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES:****WAGNER, W. C.**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 Civil Engineers, Faculty Advisor  
American Society of Professional Engineers  
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

MAY, MARVIN CLARK

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 Mex.

Honorary Fraerrnities:

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' President, N.Mex. Section  
New Mexico Society of Professional Engineers  
International Association for Bridge and Structural  
Engineers  
New Mexico Education Association  
Consulting Engineers Council

Honorary Fraternities:

Sigma Xi  
Sigma Tau  
Chi Epsilon



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  
 Registered Professional Engineer and Land Surveyor, New Mex.

Honorary Fraternities:

Sigma Tau  
 Chi Epsilon

CLOUGH, RICHARD H.

Professional Societies:

American Society of Civil Engineers  
 American Society of Engineering Education (UNM Institutional Representative)  
 Registered Professional Engineer and Land Surveyor  
 Associated General Contractors of America (Honorary Member)

Honorary Fraternities:

Kappa Mu Epsilon  
 Sigma Tau  
 Sigma Chi  
 Phi Kappa Phi  
 Phi Beta Kappa  
 Chi Epsilon

VAUGHAN, RICHARD G.

Professional Societies

American Society of Civil Engineers  
 National Society of Professional Engineers

Honorary Fraternities

Chi Epsilon  
 Sigma Tau  
 Kappa Mu Epsilon

GAFFORD, WILLIAM R.

Professional Societies

American Society for Engineering Education  
 American Institute of Architects (Associate Member)

Honorary Fraternities

Sigma Tau

MEDEARIS, KENNETH G.

Professional Societies:

American Society of Civil Engineers  
American Concrete Institute

Honorary Fraternities

Chi Epsilon  
Sigma Tau

CLARKE, WILLIAM B.

Professional Societies

American Society of Civil Engineers

Honorary Fraternities

Sigma Tau  
Chi Epsilon

HUZARSKI, RICHARD G.

Professional Societies

American Society for Engineering Education

10. STUDY AND TRAVEL

CLOUGH, RICHARD H.

Grant-in-aid from Asphalt Institute for participation  
in Graduate Program in Asphalt Paving Technology at  
Texas A & M. College, June 2 thru July 11, 1958.

11. GIFTS:

None

THE REPORT OF  
THE DEPARTMENT OF ELECTRICAL ENGINEERING  
July 1, 1958 - June 30, 1959  
Richard K. Moore, Chairman

1.0 SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1958-59

The year was marked by continued large enrollments, with the department again having the largest enrollments of any department - at both undergraduate and graduate levels. Thanks to a Sandia Corporation loan program, and a small special appropriation, significant advances were made in laboratory equipment. The research program increased considerably during the year, in spite of the lack of equipment. No major changes were made in curriculum, but the strain of attempting to develop the courses and laboratories already planned without the aid of graduate assistants was considerable.

1.1 Enrollment Summary

Once again enrollment in Electrical Engineering was the the largest of any department in the College. Total enrollments were up during the first semester, but declined below the levels of the preceding year during the second semester. Apparently this was due to two factors: an increased attrition rate for freshmen and sophomores, and a decreased enrollment at the extension graduate centers.

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Undergraduate total enrollment was 256 during the first semester and 230 during the second semester. As usual, graduate enrollment was the largest for any department on campus. The campus graduate enrollment, not counting students working on thesis but not registered, was 155 first semester and 142 second semester. This should be compared with about 130 in the second semester of 1957-58. Off-campus graduate enrollment dropped to 25 and 23, first and second semesters.

Bachelors degrees were granted to 38 who completed their work in June and to 6 who completed in February or September. Eleven Masters degrees were awarded again this year. The first doctorates are expected next year.

#### 1.2 Progress in the Graduate Program

With the continued large enrollments, five 200-level courses were offered each semester. A seminar was offered during the 1958 summer, and it was well attended. A seminar and a 190-level course are planned for 1959 summer. The large enrollments in two graduate classes were notable. EE 214 had about 60, and its successor EE 216 had over 40. EE 192 had about 60 also.

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Two new graduate courses were approved during the year. EE 183, Instrumentation and Transducers, fills a need for a course covering the basis for design of devices used as sensing elements in measuring various non-electrical quantities such as acceleration, temperature, pressure, etc. EE 194 fills the need for an undergraduate digital computer course. It is planned to utilize the CRC-102A computer on loan from Sandia Corporation in teaching this course. The doctoral program now has about 20 enrolled. Two doctorates are expected in June, 1960, and more the following year. A seminar in Magnetohydrodynamics during the second semester was well received. This topic is currently in the transition between Physics and Electrical Engineering. It will probably justify a regular course in the near future. Dr. Mellich asked to be relieved of his duties as graduate advisor for the department, and Dr. Koschmann will perform this function during the next academic year.

The departmental faculty feels an urgent need for graduate assistants. It is probably that this is the only doctorate granting department in the United States without graduate assistants. With the large graduate teaching

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load, and the rapid advances in the undergraduate part of Electrical Engineering, such assistance is a necessity.

### 1.3 Progress in the Undergraduate Program

In this first year of the new sophomore program, it became apparent that changes will have to be made. These changes are under discussion, but next year's program will be essentially the same as this year's.

Professor Moore taught electromagnetic fields to a selected group of sophomores, as an extra load for the students. The experiment was quite successful, and indicated that this subject not only is simple enough for the selected students, but actually improves their motivation in other courses. Whether it will work with run-of-the-mill students remains to be seen. A textbook will be required for the run-of-the-mill students, and it is expected that a suitable one may be available in another year.

There has been considerable emphasis this year, in both the circuits and the fields areas, on the analogies between electrical phenomena and mechanical and thermal

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phenomena which obey the same laws. It is expected that this emphasis will be continued and expanded in the next year.

Servomechanisms Laboratory (EE 188L) was taught this year for the first time. Because of lack of equipment, it was not too satisfactory, but it is hoped it can be improved with the acquisition of an analog computer now on order.

A number of committees was appointed to study various phases of the curriculum, and some of their reports have been received.

#### 1.4 Physical Plant

Operation of laboratory courses and research continued to be difficult because of lack of equipment. A special appropriation during the year has allowed acquisition of some basic equipment which will bring the undergraduate Electronics Laboratory up to a point where it is almost adequate for the junior level courses. It also allowed purchase of the basic elements of a small analog computer which will be sufficient for use by a single group in Electrical Machinery Laboratory or Servomechanism Laboratory. This computer will also serve some purpose in

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research, although it is too small to be of very great value in research.

Loan of equipment by Sandia Corporation has allowed the Microwave Laboratory to carry on at a useful level. Signal generators were not available for loan in the quantity required, so we still lack these (required: 3 or 4 at about \$2500 each). Loan of oscilloscopes by Sandia has been particularly helpful for various laboratories. The models loaned are about 10 years old, but that makes them one generation newer than any owned by the department (except one bought with research grant funds).

Between the use of surplus equipment and oscilloscopes borrowed from research projects it was possible to perform a number of useful laboratory experiments in Senior courses that were heretofore impossible.

A request is currently pending for partitions in the research area. These are urgently needed, as the present arrangement for research is entirely unsatisfactory. With no separation between projects it is difficult to control equipment location, and it is almost impossible



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for the research employees to concentrate, even though much of their work is theoretical.

### 1.5 Student Achievements

Many Electrical Engineering students received honors during the year. Space permits mention of only a few. Two of the June graduating class received fellowships: John F. Taylor was one of the two in New Mexico to receive National Science Foundation Cooperative Fellowships. Jack Bresenham received a Stanford University Honors Fellowship.

Top honors in the ACF Technical Writing Competition went to two of our June graduates; Don McClung received first prize and Eugene Manganaro second prize.

Winnings in the AIEE-IRE student paper contest were shared by Patricia Tolmie (IRE first, AIEE second) and Lee Seligman (AIEE first, IRE second). Bill Tremblay won third in both. Frank Janza, one of our doctoral candidates, who is on leave from a position as Associate Professor at the University of Arizona, is the recipient of a National Science Foundation Faculty Fellowship (salary matching!)

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It would seem that the salaries received by some of our new graduates are achievements worthy of note. Highest was \$755 per month. Another received \$693 per month. There were many between \$600 and \$650, and nearly all received positions paying more than \$500 per month. In the light of this it is remarkable that we were able to persuade eight to stay on for graduate school with us.

#### 1.6 Research

Seven new research projects were started during the year, and three old ones were completed. Total contract amount of projects now underway is over \$241,000. We have been informed that new contracts in the amount of \$157,000 are on the way. New research includes a study of signal-to-noise problems in telemetering, an interdepartmental space research project, studies of semiconducting properties of indium antimonide and titanium dioxide, study of high-frequency properties of transistors, and a study of submarine communication problems based on the doctoral dissertation of Dr. Moore.

The projects on design data file, power transistors, and the transistorized analog-to-digital converter were completed.

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Dr. Grannemann continued as Research Coordinator for the department. The research group now employs a full time secretary and a number of part-time typists.

In May 1959 the Experiment Station was reorganized, and Dr. Grannemann was appointed Associated Director and Chairman of the Experiment Station Committee.

## 2.0 SIGNIFICANT PLANS FOR THE NEAR FUTURE

It is most important that Graduate Assistants be made available to the department, as the revisions in curriculum have made their help most necessary in developing courses and laboratories and in grading for the large number of senior and elementary graduate classes. More high level staff will also be needed because of the new Sandia graduate program.

A series of technical talks before high school science classes is planned by our staff. The recent increase in the attrition rate in the Freshman and Sophomore years has made us aware of the need to orient future engineering students while still in high school so that they may come better prepared. With these talks, and the discussions following them, we hope to assist in this program. Along similar lines, we hope to assist in the formation of more Junior Engineering Technical Societies in secondary schools.

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Our equipment is still woefully short, and we hope to be able to add to it in the near future. In particular, equipment is needed for research so that sponsorship may be obtained from the agencies requiring some University participation. Equipment must also be purchased for all the laboratories used in undergraduate teaching. It is expected that new laboratories will be required soon in certain areas such as solid state engineering, computers, and instrumentation.

Sandia Corporation plans to inaugurate a graduate program for all newly hired holders of the B.S. This will result in an increase in the graduate load by about 50% by 1961. It may also result in other increases due to its effect on people now employed, and due to the expected increase in the doctoral program as the new people at Sandia receive their M.S. degrees.

It is most important that internally funded research be started in the near future. Such research provides stability to the program and makes it possible to explore areas of interest to the state for which sponsorship cannot be found.

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## 2.1 Faculty

With the anticipated increase in graduate teaching, and with the number of dissertations which must be supervised in the near future, we should have at least nine professors in 1959-60 and ten or eleven in 1960-61. Even with this increase, it will be necessary to provide graduate assistants in significant numbers. Teaching associates and instructors will be needed in varying numbers depending upon the attrition for this year's Freshman class and the enrollment and attrition in next year's Freshman class.

Because of the dynamic nature of the undergraduate program, and because of the large number of graduate students, the need for graduate assistants is particularly acute. Laboratories in dynamic courses and new courses require preparation about a year in advance, and this cannot be carried out by faculty carrying a full current teaching load without considerable help from graduate assistants. Such preparation is difficult even with adequate equipment budgets, and almost impossible when surplus and homemade equipment must be used.

## 2.2 Non-professional Staff

The secretarial workload is already such that an additional half-time secretary should be employed. With new staff and

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the added problems of the new Sandia graduate program, at least an additional half-time secretary should be employed as soon as possible.

With the amount of equipment presently in the department, much of it loaned by Sandia Corporation, employment of a full-time mechanician is imperative as soon as possible. Our present budget allows two half-time mechanicians, and two student aid mechanicians are also used. They do not have enough time available to maintain present equipment, keep track of borrowed equipment, and develop new equipment needed in the changing laboratory courses. An additional half-time person is needed as a minimum, but many problems could be solved by employing a full-time man and retaining our present half-time people. One of the biggest problems with part-time people is that they are frequently not available when needed during laboratories. Another is that we urgently need a stockroom for instruments and components, yet it is impossible to have one without having some full time person to manage it.

If highly paid professors are to be freed from routine paper grading so that they may devote their time to developing new courses, doing research, and keeping up with

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the fast-moving developments in Electrical Engineering, more paper grading help must be provided soon.

### 2.3 Laboratory and Shop Facilities

Requests have been presented for about \$90,000 worth of equipment needed for undergraduate laboratories to bring them up-to-date. Even when these requests have been filled, additional equipment will be needed as the field of Electrical Engineering advances and broadens. At present we do not foresee large requirements except in three areas: control systems, solid state, and digital computers. However, the field is changing so fast that laboratories for some new area will undoubtedly be required within three or four years.

With regard to research, a request for about \$100,000 has been presented. In particular, we need the basic equipment for any laboratory, such as oscilloscopes, signal generators, and a shielded room. With our large research programs in solid state and electromagnetic waves, certain specialized facilities not readily available from research supporters, but useful in gaining further support, are required.

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For both research and teaching, a small solid-state digital computer should be available in the department. Some very attractive discount plans are available for either purchase or rental of such computers.

### 3.0 APPOINTMENTS TO TEACHING STAFF

Dr. H. B. Demuth, part-time Professor, Semester I only.  
Mr. Alfred Eckersley, Lecturer (part-time), Semester I only.  
Mr. A. B. El-Kareh, Instructor, effective 1 September 1958.  
Dr. Ahmed Erteza, Associate Professor, effective 1 Sept. 1958.  
Mr. R. Mohler, part-time Professor, Semester II only.  
Maj. E. A. Saunders, part-time Lecturer, Semester I only.  
Mr. Dale Sparks, Teaching Associate, Semester II only.  
Mr. D. J. White, part-time Instructor, Semester I only.  
Mr. R. E. Williams, part-time Lecturer, Semester I,  
Teaching Associate, Semester II.

### 4.0 SEPARATIONS FROM TEACHING STAFF

Mr. A. B. El-Kareh, Instructor, effective August 15, 1959.  
Mr. J. L. Ellis, Professor, retirement effective 30 June 1959.  
Mr. E. S. Hayre, Instructor, effective 1 September 1958.  
Mr. J. V. Wait, Instructor, effective 30 June 1959.  
(Mr. Wait resigned so that he might complete a doctorate elsewhere and return to UNM later).



5.0 PUBLICATIONSENGINEERING EXPERIMENT STATION TECHNICAL REPORTS

- ANDERSON, WALLACE L. and FANNIN, BOB M. Comparison of Computed with Observed Atmospheric Refraction. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-14, August, 1958. 15 p.
- ANDERSON, WALLACE L. and FANNIN, BOB M. Discussion of Radar Errors Due to Propagation Effects. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-16, August, 1958. 50 p.
- CHAO, C.F.; DORF, R. C.; HU, C. T.; ROSCHMANN, A. H. Descriptors for a Two Phase Automatic Data Retrieval System for Digital Circuit Modules. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-20, November, 1958. 75 p.
- EDISON, A. R. and MOORE, R. K. Radar Cross-Section of Terrain Near Vertical Incidence at 415 Mc. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-15, September 1958. 23 p.
- GRANNEMANN, W. W. and REESE, J. D. Transient Junction Temperatures in Power Transistors. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-17, August, 1958. 13 p.
- GRANNEMANN, W. W. and SWAIN, G. R. Safe Thermal Operation of Power Transistors under Pulsed Excitation. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-18, September, 1958. 69 p.
- HARPER, B. J. Transistor Distributed Amplifier. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-19, January, 1959. 108 p.
- JANZA, F. J.; MOORE, R. K.; WARNER, B. D. Radar Cross-Sections of Terrain near Vertical Incidence at 415 Mc, 3800 Mc, and Extension of Analysis to K-Band. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-21, May 1959. 57 p.

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MOORE, R. K. Radar Design Using Acoustical Simulation as a Tool. Albuquerque: University of New Mexico Engineering Experiment Station Report EE-22, April, 1959. 28 p.

#### OTHER PUBLICATIONS

MOORE, R. K. Traveling Wave Engineering. Albuquerque: University of New Mexico, Electrical Engineering Department, 1959. 417 p.

THORN, D. C. Design of Open-Ended Microwave Resonant Cavities. Austin: University of Texas EERL Report 102, August, 1958. 20 p.

#### 6.0 COMPLETED RESEARCH PROJECTS

6.1 Project 56-2 EE (File 113/1). This project sponsored by Sandia Corporation had to do with study of transient thermal phenomena in power transistors, using an electrical analog to the heat flow. It was completed in August, 1958, and the Sandia support was shifted to a new project (see below).

6.2 Project 113/8. The study of an automated design data file sponsored by Sandia Corporation and directed by Dr. Koschmann was terminated in September, 1959, due to changing interests at Sandia Corporation.

6.3 Project 57-14EE (File 113/4). This study of transistor distributed amplifiers was completed in December, 1958, upon using up the funds from the original National Science

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Foundation grant. The work is being continued on a modified basis under Sandia Corporation sponsorship (see below).

6.4 Project 56-13EE (File 113/3). The transistorized analog-to-digital converter was completed and shipped to Naval Research Laboratory in November, 1956. The device developed was unique, and several patent proceedings are pending as a result of inventions made on this project.

#### 7.0 OUTSIDE SPONSORED RESEARCH

In this section projects are identified by their University of New Mexico account number.

7.1 290-190. Sponsor: U. S. Naval Ordnance Test Station, China Lake, California. Budget: \$41,790. Supervisor: Dr. R. K. Moore. This is a continuation of the study of the Sandia Corporation radar return data studied previously under Sandia Corporation sponsorship. It is likely that this will be renewed for next year at about the same rate. The following year should see completion of the Sandia data study and commencement of studies of acoustic simulation of radar problems. A Symposium on Radar Return

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was held under the auspices of this project in May, 1958. There were over 200 registrants from all over the United States.

- 7.2 290-163. Sponsor: Air Force Cambridge Research Center, Bedford, Massachusetts. Budget: Present \$30,000 for 18 months. Anticipated: \$80,000 for 14 months. Supervisor: Dr. R. K. Moore. This is a classified study in connection with continental air defense. The phase started last year has been concluded because of lack of promise. A new phase has just started.
- 7.3 290-167. Sponsor: White Sands Signal Agency, U. S. Army. Present contract amount: About \$56,000. Supervisor: Dr. D. C. Thorn. The study of the effect of refractive index variations on radar accuracy is continuing. A great deal of emphasis is being placed on a rocket-borne microwave refractometer. If this works, it will be the first satisfactory device for this purpose, and should receive wide acceptance for predicting radar coverage.
- 7.4 290-193. Sponsor: Air Force Special Weapons Center, Kirtland Air Force Base, Albuquerque. Budget: \$23,406. Supervisor: Dr. P. E. Bocquet (Chemical Engineering).

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This is an interdepartmental study of possible scientific experiments in connection with space exploration. Participants from the Electrical Engineering Department include Dr. Grannemann, Dr. Moore, and Dr. Thorn. The Research Associate on the project, Mr. R. Dorf, is also from this department.

7.5 290-197. Sponsor: Sandia Corporation. Budget: \$12,384. Supervisor: Dr. W. W. Grannemann. This is a continuation, with different emphasis of the transistor work carried on for Sandia for two years. A study is currently underway of indium antimonide Hall effect devices to determine their network representation and their uses.

7.6 290-198. Sponsor: Sandia Corporation. Budget: \$10,043. Supervisor: Dr. W. W. Grannemann. This is a study of devices which might be made using titanium dioxide. The high temperature properties, and others, make titanium dioxide a likely candidate for diode and transistor manufacture. Experiments and theoretical work are being conducted to verify this.

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7.7 290-207. Sponsor: Sandia Corporation. Budget:

\$18,292. Supervisor: Dr. A. H. Roschmann. This is a study of the use of information theory techniques to improve the performance of long range telemetering systems. It deals in particular with detection problems.

7.8 290-208. Sponsor: Sandia Corporation. Budget:

\$12,759. Supervisor: Dr. R. K. Moore. This is a continuation of the transistor distributed amplifier work done under National Science Foundation support previously. The emphasis at this time is toward a study of the physics of transistors, as displayed in the type of high frequency circuits used in the distributed amplifier. An attempt is also being made to make a 500 Mc video amplifier by the distributed amplification technique.

7.9 290-213. Sponsor: Office of Naval Research, Washington,

D. C. Budget: \$38,521. Modification adding \$57,000 on the way. Supervisor: Dr. R. K. Moore. This is a study of submarine communication problems which is a direct outgrowth of Dr. Moore's dissertation. It has just started, so there is no progress to report. The current

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phase will deal with submarines near the surface of the ocean, and the second phase will deal with submarines at greater depth. This latter phase will be, in part, interdepartmental.

- 7.10 290-225. Sponsor: Diamond Ordnance Fuze Laboratories, U. S. Army, Washington, D. C. Budget: \$13,098. Supervisor: Dr. W. W. Grannemann. This second project on semiconducting properties of titanium dioxide has to do with the resistance of titanium dioxide diodes and transistors to nuclear radiation. It is just starting. One of the workers on this project will be Major Bryant, a doctoral candidate currently at Los Alamos, who will be assigned to University of New Mexico to complete his doctorate.

- 7.11 Personnel involved in research activities of the department are as follows (exclusive of secretaries, technicians, and hourly employees):

Faculty

Dr. Ahmed Erteza, Associate Professor

Dr. Wayne W. Grannemann, Associate Professor, Departmental Research Coordinator, and Associate Director of the Engineering Experiment Station.

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Dr. Arnold H. Koschmann, Associate Professor.

Dr. Richard K. Moore, Professor and Chairman; Head of the Electrical Engineering Division of the Engineering Experiment Station.

Dr. Donald C. Thorn, Assistant Professor.

Research Associates

Wallace L. Anderson

Richard Dorf

Alfred Eckersley (terminated March, 1959)

Bill J. Harper

Chang Tai Hu

Frank J. Janza

Dale Sparks

George R. Swain

Richard H. Williams

Research Assistants

Richard Bechtel

C. F. Chao

Chung Chia

Goebel Davis, Jr.

Donald Dearholt

David Endsley

Frank Lisle



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Ralph Rainey

Martin E. Robinson

Laurence L. Rosier

Billie D. Warner

Donovan J. White (terminated 30 May 1959)

James F. White

#### 8.0 OTHER PROFESSIONAL ACTIVITIES

##### Ahmad Erteza, Associate Professor

###### Meetings Attended:

IRE 7th Regional Conference, Albuquerque, May, 1959.

Symposium on Radar Return, Albuquerque, May, 1959.

ASEE Southwest Section Meeting, Las Cruces, March, 1959.

##### W. W. Grannemann, Associate Professor

Consultant, Kaman Aircraft Corporation.

Three Patent Disclosures to Research Corporation.

###### Meetings Attended:

IRE 7th Regional Conference, Albuquerque, May, 1959.

Symposium on Radar Return, Albuquerque, May, 1959.

##### A. E. Koschmann, Associate Professor

Manuscript review for McGraw-Hill Book Company.

###### Meetings Attended:

IRE 7th Regional Conference, Albuquerque, May, 1959.

Air Force Adaptive Flight Control Symposium, Wright-

Patterson Air Force Base, Dayton, Ohio. January, 1959.

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A. W. Melloh, Professor

Lectured in Engineer-in-Training Review Course, University of New Mexico Extension Division.

## Meetings Attended:

IRE 7th Regional Conference, Albuquerque, May, 1959.

AIEE District Student Meeting, Austin, Texas, April, 1959.

R. K. Moore, Professor and Chairman

Consulting with Sandia Corporation, Kaman Aircraft Corporation, Radio Corporation of America, and Andrew Alford, Inc.

Manuscript review for John Wiley and Sons and for Wadsworth Publishing Company.

## Papers Read:

"A General Course in Traveling Waves", IRE 7th Regional Conference

"Radar Design Using Acoustic Simulation as a Tool", Radar Return Symposium

Member of Panel Discussion at Radar Return Symposium

Co-author of paper "Radar Cross-Sections of Terrain" read at URSI-IRE Spring Meeting, Washington, D. C., May, 1959

## Meetings Attended:

URSI-IRE Fall Meeting, University Park, Pa., October, 1958.

ASME National Meeting, Berkeley, California, June, 1958.

ASME Relations With Industry Meeting, Houston, Texas, January, 1959.

ASME Southwest Section Meeting, Las Cruces, March, 1959.  
Symposium on Arctic Communications, Boulder, Colorado, March, 1959.

IRE 7th Regional Conference, Albuquerque, May, 1959.  
Symposium on Radar Return, Albuquerque, May, 1959.

R. W. Tapy, Professor

Consultant, Naval Ordnance Test Station

Meetings Attended:

ASEE National Meeting, Berkeley, California, June, 1958.  
IRE 7th Regional Conference, Albuquerque, May, 1959.

D. C. Thorn, Assistant Professor

Completed New Mexico professional registration exam.

Meetings Attended:

IRE 7th Regional Conference, Albuquerque, May, 1959.  
Radar Return Symposium, Albuquerque, May, 1959.

B. D. Warner, Research Assistant

Read paper "Radar Cross-Sections of Terrain" at URSI-IRE  
Spring Meeting, Washington, D. C., May, 1959.

9.0 ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

A. Erteza, Associate Professor

Elected to Full Membership in Sigma Xi.

Member-at-large, IRE 7th Regional Conference Technical  
Program Committee

W. W. Grannemann, Associate Professor

Co-chairman, Meetings and Papers Committee, Albuquerque-  
Los Alamos Section, IRE

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A. H. Koschmann, Associate Professor

Vice-chairman, Albuquerque Chapter, IRE Professional Group  
on Circuit Theory.

Chairman, Student Paper Contest, IRE 7th Regional Conference.

Student Branch Coordinator, Albuquerque-Los Alamos Section, IRE.

IRE Representative on campus and Student Branch Advisor.

A. W. Melloh, Professor

Member of Board of Directors, Northern New Mexico Section, AIEE.

Member of Admissions Committee, Sigma Xi.

AIEE Student Branch Counselor.

R. K. Moore, Professor and Chairman

Chairman, Technical Program Committee, IRE 7th Regional Conference

Member National Administrative Committee, IRE Professional Group  
on Antennas and Propagation.

Member (Acting Secretary) USA National Commission II of  
International Scientific Radio Union. Appointed for  
another three year term.

Judge for IRE Scholarship at State Science Fair.

P. W. Tapy, Professor

Member, Student Activities Committee, 7th District, AIEE.

D. C. Thorn, Assistant Professor

Elected to Full Membership in Sigma Xi.

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10.0 IMPORTANT STUDY AND TRAVEL

None

11.0 GIFTSWestern Electric Company

Numerous small parts and instruments.

Mountain States Telephone Company

Filters and thermistors.

Dale Products, Inc.

A large quantity of resistors and capacitors.

Triplett Electrical Instrument Company

Complete set of new-style meters.

The Report of the Department of  
Mechanical Engineering  
July 1, 1958 - June 30, 1959  
Charles T. Grace, Chairman

1. Achievements

(a) Student Enrollments and Degrees Granted

|             | Soph.      | Junior | Senior | Graduate (on campus) |
|-------------|------------|--------|--------|----------------------|
| Sem. I      | 53         | 53     | 42     | 82                   |
| Sem. II     | 48         | 56     | 39     | 55                   |
| B.S. (M.E.) | June, 1959 |        | 35     | -                    |
| M.S.        | June, 1959 |        | 10     | -                    |

(b) Curriculum Changes

When Dr. F. D. Ju joined our staff in September, 1958 it became possible to increase our graduate offerings in the Solids area. Applied Elasticity (M.E. 216) and Advanced Applied Dynamics (M.E. 218) were submitted to the Curricula and Graduate Committees, and were approved by them. Applied Elasticity was offered Sem. II, 1958-9 and Advanced Applied Dynamics will be offered Sem. I, 1959-60.

Mechanical Vibrations (old M.E. 204 new 194) was changed from 260 level listing to 100 level to permit senior engineers as well as graduate students to take the course.

Other changes in the undergraduate listings were minor changes in hours devoted to lecture and laboratory.

The study of the curriculum to incorporate present trends in engineering education has continued through the year and several changes will be sent to the Curricula Committee next year.

(c) Laboratories & Classrooms

Buildings and Grounds finished decking over the old heating plant bay. New lights for both first and second stories are on hand but not installed. Nothing was done about the new walls required on the second floor to make the new floor space useful as classroom and office space. It is hoped that these improvements may have a high priority in the 1959-60 Buildings and Grounds project list.

The General Electric 5-ton Air Conditioner has been installed and removable duct work for student testing has been purchased. The first tests were made Sem. II, 1958-9.

The hydraulic pump testing equipment has been completely rebuilt with faculty and student help.

Student help was used to build a concrete block entry enclosure for room 6 so that the back laboratory could be locked and so that noise from tests run in this laboratory would not interfere with other classes in the front part of the building.

(d) Student Achievements

Fred Caricola was the recipient of a \$400 scholarship for the senior year given by Southern Union Gas Company.

Tom McKinley placed third in the American Society of Mechanical Engineers Regional meeting at Laramie, Wyoming for his paper, "Controls for Nuclear Reactors."

Donald H. McClung won second place in the ACF Industries technical writing competition.

Wallace E. Kee won the Society of Technical Writers award.

Fred McCracken will be the recipient of the \$400 scholarship for the senior year given by Southern Union Company for 1959-60.

Jack Thompson won the award for top sophomore engineering student given by Sigma Tau.

James McCullough and Charles Hunt were initiated into Phi Kappa Phi.

Johnny Glover, Crandall Hayes, and Wendell Steiner were taken into Blue Key, senior honorary.

Tom McKinley was the recipient of the George E. Breece Prize in Engineering. A cash prize awarded to a graduating senior in engineering, who is enrolled for a full-time course of instruction, upon the basis of character, general ability, and excellence of scholastic record as shown during the last two consecutive years of residence in the University.

## 2. Plans and Recommendations for 1959-60

- (a) Through a capital grant to the department a Rover Instructional Gas Turbine has been ordered and should be delivered this summer. Installation of this unit and regrouping of present laboratory equipment in M.E. 4 will probably be the major projects for the coming year.
- (b) The study of the curriculum mentioned in 1b will probably be implemented during the coming year.
- (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) 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 ventilation system and repairs to building.
- (e) 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, a good second hand one about \$5,000. The item has also been repeatedly requested.
- (f) 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> |
|-----------------------------------|-----------------------|
| DoAll Metal Band Saw              | \$1,500               |
| Small Metal Planer                | 3,000                 |
| Small Radial Drill                | 3,000                 |
| Mararco #104C Metal Cutting Shear | 200                   |
| Inert Gas Arc Welder              | <u>1,200</u>          |
|                                   | \$8,900               |

### 3. Appointments to Staff

Dr. Frederick D. Ju - Assistant Professor - September, 1958

Mr. Raymond P. Lutz - Instructor - September, 1958

Dr. Knox Hillsaps - Lecturer - Holloman Program - September, 1958

Dr. Wilmer Sibhit - Lecturer - Los Alamos Program - September, 1959

Dr. Herman J. Stoecker - Professor - September, 1958

4. Separations from Staff

None

5. Publications

DOVE, R. C. & BRASIER, R. I. The Use of Electrical Resistance Strain Elements in Three Dimensional Stress Analysis accepted for publication in Proceedings of the Society for Experimental Stress Analysis.

GRACE, C. T., FARRIS, M. E., & BROMILOW, F. Municipal and Industrial Water Use in the San Juan Basin and the Rio Grande Basin in Report to Resources for the Future. University of New Mexico Press, 1959 (Preliminary Draft).

6. Completed Research Projects

SKOGLUND, V. J. - "A Transient Thermal Analog of Nuclear Reactors" with James Hume.

7. Outside-Sponsored Research

BAKER, W. E. & DOVE, R. C. - Los Alamos Scientific Laboratory (CTU-86800-1) \$23,165 (1958-9) first renewal of contract signed originally in May, 1957 - An experimental study of means of determining the dynamic properties of certain types of materials. The specific problem is to determine the suitability of a given material as a cushioning element. Negotiations are underway to extend the contract for another year at about the same amount of money.

DOVE, R. C. & JU, F. D. - Sandia Corporation (Purchase Order Number 51-7023) - "A Thermal Stress Analysis On Thick-Walled Cylinders." Shell theory has been used to establish the differential equation to treat a class of thick-walled cylinders under axial thermal gradient.

SKOGLUND, V. J. - Sandia Corporation (Purchase Order Number 51-5809) \$5,257 November 1, 1958 - August 1, 1959 - "Development of Supersonic Wind-Tunnel Diffusers and Starting Methods." The purpose of the investigation is the improvement of supersonic wind-tunnel diffuser performance and starting methods, and the creation of the theory and the acquiring of experimental data that are relevant to those problems. An extension of the contract for 1959-60 is being negotiated.

#### 8. Other Professional Activities

BAILEY, A. P. - Summer 1958 spent at Lick Observatory, Mt. Hamilton, California designing a spectrograph for the new 120" reflecting telescope.

Taught a 10 weeks course in management to supervisory personnel of Kermac Nuclear Fuels Corp., Grants, New Mexico during fall of 1958.

Acted as a consultant to Mechanical Engineering, Physics and Chemistry departments on special research projects. Built some special parts for the same departments.

DOVE, R. C. - Consultant to Los Alamos Scientific Laboratory.

Taught a review course in dynamics for the Extension Division. Students were graduates studying for the Professional Engineer Examination.

FORD, A. D. - Drew up plans and specifications and supervised contracting of new boiler installation for U.N.M. Heating Plant. Will supervise the installation.

GRACE, C. T. - Elected to the Planning Committee of Southwest Mechanical Engineering Department Heads Group of American Society of Mechanical Engineers.

Consultant to G.M.I.-3, Los Alamos Scientific Laboratory.

JOHNSON, K. R. - Employed summer 1958 by Sandia Corp.

LUTZ, R. P. - Employed summer 1958 by Sandia Corp.

SKOGLUND, V. J. - Employed by U.N.M. summer 1958 preparing a request for a grant from The Atomic Energy Commission of \$228,000 for a nuclear engineering Laboratory.

9a. Activities in Learned & Professional Societies

BAILEY, A. P. - Attended American Society for Engineering Education regional meeting, Las Cruces, March 26, 7, 1959. Active in A.A.U.P. Member of Athletic Council, Freshman Advisor.

DOVE, R. C. - Attended annual meeting Society for Experimental Stress Analysis, Washington, D.C., May, 1959. Mr. R. I. Brasier presented their joint paper, "The Use of Electrical Resistance Strain Elements in Three Dimensional Stress Analysis."

FORD, A. D. - Attended: American Society for Engineering Education regional meeting, Las Cruces, March, 1959; Regional Administrative Council Meeting American Society of Mechanical Engineers, New Orleans April, 1959 as

special guest of regional vice-president; Student Conference Mountain Tier of Region 8 American Society of Mechanical Engineers, Laramie, Wyoming April, 1959. Chairman of Building Committee for Student Union Building, Engineering Student Affairs Committee, Faculty Advisor A.S.M.E. Student Chapter, Freshman advisor.

GRACE, C. T. - Attended: Annual meeting of Society for Engineering Education, Berkeley, California June, 1958; Industry-College meeting of the American Society for Engineering Education, Houston, Texas, January, 1959; American Society for Engineering Education regional meeting, Las Cruces, March, 1959. Member of Curricula Committee U.N.M.

JOHNSON, K. R. - Served on American Society of Mechanical Engineers New Mexico Section Committee to study pipe specifications for Albuquerque. Member of Building Committee U.N.M., Freshman Advisor.

LUTZ, R. P. - Attended American Society for Engineering Education regional meeting, Las Cruces, March, 1959. Initiated into Sigma Tau May, 1959. Faculty advisor for Tau Kappa Epsilon semester II, 1958-9. Freshman advisor.

SKOGLUND, V. J. - President U.N.M. Chapter of Society of Sigma Xi. New member of Institute of Aeronautical Sciences. Active in American Society of Mechanical Engineers. Member of Engineering College Service Courses Committee which prepared the request for a doctoral program on engineering sciences. Liaison

With mathematics department on mathematics courses for engineers.

STOEVER, H. J. - Attended American Society for Engineering Education regional meeting, Las Cruces, March, 1959.

9b. Public Service Activities

BAILEY, A. P. - Optimist Club (Boys Work)

GRACE, C. T. - Optimist Club (Boys Work)

JOHNSON, K. R. - Christ Methodist Church Finance Committee,  
Chairman of financial campaign committee

LUTZ, R. P. - Boy Scout Pack Leader

10. Important Study and Travel

STOEVER, H. J. - Traveled on the Black Sea from Istanbul, Turkey to Russian border. Then spent one month traveling in Italy, Austria, Germany, and Switzerland during summer of 1958.

11. Gifts

Roy Burris, B.S. 1944, \$50 matched by employer The General Electric Co.

The Westinghouse Co. donated miscellaneous pressure gauges, flow meters and pumps.

THE REPORT OF THE DIVISION OF ARCHITECTURE  
July 1, 1958 - June 30, 1959  
John J. Heimerich, Chairman

1. Achievements:

a. The enrollment in the Division of Architecture for the first three years is still increasing slightly, but in general is approaching a constant number. However, the enrollment in the fourth and fifth year is expected to increase for possibly two or three years. The enrollment for the past three years is shown in the table below.

|          | <u>1956-57</u> |         | <u>1957-58</u> |         | <u>1958-59</u> |         |
|----------|----------------|---------|----------------|---------|----------------|---------|
|          | Sem I.         | Sem II. | Sem I.         | Sem II. | Sem I.         | Sem II. |
| 1st year | 41             | 26      | 44             | 51      | 63             | 47      |
| 2d year  | 17             | 24      | 21             | 17      | 14             | 16      |
| 3d year  | 16             | 12      | 22             | 18      | 16             | 18      |
| 4th year | 5              | 5       | 9              | 9       | 15             | 14      |
| 5th year | 0              | 0       | 0              | 0       | 4              | 3       |
| Totals   | 79             | 67      | 96             | 95      | 112            | 98      |

b. The Division of Architecture offered the fifth year of the architectural curriculum for the first time and the three graduates are the first ones to graduate with a five-year Bachelor of Architecture degree from the University of New Mexico.

c. The Division of Architecture now offers graduate credit in the following courses:

Architecture 195 - Specifications & Estimating  
Architecture 196 - Office Practice  
Architecture 197-198 - Seminar

These graduate offerings were requested by other departments and colleges of the University of New Mexico.

d. The following exhibits were sponsored by the Division of Architecture:

Showing of work of Felix Candella held in Fine Arts Gallery on University of New Mexico Campus, December 1-15, 1958.

Models of Sandia Recreational Area Development designed by Sophomore class, displayed in the main office of the Albuquerque National Bank, December 12-23, 1958.

Exhibit of student architectural work in New Mexico Public Service Building, Albuquerque, February 20-27, 1959.

Annual student architectural exhibit held in Fine Arts Building, April 20, 1959 to May 2, 1959.

Prize winning designs were shown at Leonard's Restaurant for Awards Dinner, May 16, 1959.

Co-sponsored in conjunction with the New Mexico Chapter of AIA and Southwest Design Council an exhibit of the eight best buildings in New Mexico and a traveling exhibit.

e. The student chapter of the American Institute of Architects in cooperation with the architectural faculty held meetings during the school year. These meetings are designed to broaden their education not only in architecture but other fields as well. The meetings held this past year are listed below:

"Get Acquainted Dinner" held October 11, 1958 in the architectural building. Two architectural movies, "What is a House" and "A School for Johnny" were shown.

Panel discussion of Air Force Academy held at home of George Hubbell, November 13, 1958. Panel members were Mr. Robert Wheatley, Professor Schlegel, Don Shaffer and Richard Waggoner. Open discussion followed.

Demonstration of action painting by Professor Elaine de Kooning of the University of New Mexico art department was held at the home of Dr. Bunting on December 17, 1958. Discussion followed.



1f (Cont'd)

Illustrated lecture of his European tour by Professor W. B. Clarke of the Civil Engineering Department was held in the home of Robert Moraga on April 29, 1959.

Annual Awards Dinner, followed by a talk by Mr. George Smith Wright and presentation of awards was held at Leonard's on Saturday, May 16, 1959.

f. Thirty-seven students with sponsors went to Mexico City on March 25, 1959 and returned April 4, 1959. The purpose of the tour was to broaden their experience and study Mexico's contemporary architecture.

g. The students remodeled the critique room and built a patio next to the architectural building. The following materials were donated by Albuquerque firms:

| <u>Donor</u>                  | <u>Material</u>         | <u>Approx. Cost</u> |
|-------------------------------|-------------------------|---------------------|
| Dale Bellamah Enterprises     | Cabinets & counter tops | \$150.00            |
| Crane, O'Fallon               | Sink & fixtures         | 50.00               |
| Glidden Paint Co.             | Paint                   | 15.00               |
| Kinney Brick Co.              | Brick                   | 75.00               |
| Otto & Sons, Inc.             | Concrete blocks         | 150.00              |
| Pittsburgh Plate Glass Co.    | Plate glass             | 50.00               |
| Rio Grande Steel Products Co. | Aluminum door           | 175.00              |
| Roberson Constr. Co.          | Mahogany paneling       | 150.00              |
| Bill Shelton, Designer        | Asphalt tile            | 50.00               |

h. The Division of Architecture was again fortunate in securing professional advice from New Mexico practicing architects and engineers. A total of twenty-one volunteered their services for the betterment of our architectural program.

## 2. Plans and Recommendations for the future:

a. The equivalent of a full-time faculty member (rank of associate professor) is requested. It is necessary to

2a (Cont'd)

have a different instructor for each year of design.

This may be accomplished by employing local architects on a part-time basis.

b. The continuing employment of a student assistant to maintain laboratory equipment is necessary.

c. Additional space is needed for our design courses. Three possibilities for relieving the crowded conditions are as follows:

1. Obtain space in new Fine Arts Center.
2. Use of Crafts Annex when art department moves to Fine Arts Center.
3. Construct addition to present building.

d. Employment of a full-time secretary and librarian to operate architectural library. This person would work closely with the University librarian.

3. Appointments to Staff:

Jason P. Moore, Lecturer. Appointment for school year, 1958-1959 only.

4. Separations from Staff:

None.

5. Publications:

Articles:

SCHLEGEL, DON P. - "Architecture and Its Dilemma," Vol 7, No 1., Winter, 1950; Roswell Museum & Art Center.

SCHLEGEL, DON P. - "Architectural Education," #1 New Mexico Architect, Vol. 1, No. 2, April 1959.

6. Completed Research Projects:

None.

7. Outside-sponsored research:

None.

## 8. Other Professional Activities:

### Consultancies.

#### a. HEIMERICH, JOHN J.

Employed by Louis G. Hesselden, architect,  
summer, 1958.

Various architectural consultancies.

#### b. SCHLEGEL, DON P.

Employed by Stanley & Wright, architects,  
summer, 1958.

Various architectural consultancies.

## 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 1959.

Chairman Finance Committee.

Attended eight executive and six general  
AIA meetings in New Mexico.

Professional adviser to office of New Mexico  
Land Commissioner for conducting a competition  
to select an architect for the Land Office  
Building.

Professional adviser to a jury consisting of  
the Capitol Building Improvement Committee  
and members of the Office of the Commissioner  
of Public Lands for the selecting of the  
winning design for the new Land Office  
Building.

Association of Collegiate Schools of Architecture.

Attended Southwest Section meeting April 1-2, 1959,  
University of Arkansas in Fayetteville, Arkansas.

American Society for Engineering Education.  
Member.

#### b. SCHLEGEL, DON P.

American Institute of Architects.

Corporate Member.

Consultant to State Coordinating Committee on  
School Health.

Member of Education Committee.

Association of Collegiate Schools of Architecture.  
 Attended Southwest Section meeting April 1-2, 1959,  
 University of Arkansas in Fayetteville, Arkansas.

Architectural Bibliographers.  
 Member.

c. BUNTING, BAINBRIDGE (See Art Department).

d. MALLARY, ROBERT (See Art Department).

10. Important Study and Travel:

HEIMERICH, JOHN J.

Made all arrangements (transportation, lodging, tours) for student architectural tour to Mexico City, March 25, 1959 to April 4, 1959. A total of thirty-seven made the trip.

11. Gifts and Awards:

a. New Mexico Chapter AIA Award - Architectural book and \$137.50 tuition.

Winner - Leon A. Ross, Jr.

b. Architectural Design Competition.

|              |          |                  |
|--------------|----------|------------------|
| First prize  | \$110.00 | - Donald Shaffer |
| Second prize | 80.00    | - Lou Weller     |
| Third prize  | 60.00    | - Pat Gates      |

c. Albuquerque Home Builders' Competition.

|              |          |                   |
|--------------|----------|-------------------|
| First prize  | \$100.00 | - Donald Henry    |
| Second prize | 75.00    | - George Bolling  |
| Third prize  | 50.00    | - Milton Creek    |
| Fourth prize | 25.00    | - Larry Titman    |
| (Tie)        | 25.00    | - Leroy Velasquez |

d. Tile Council of America Award.

|              |         |                    |
|--------------|---------|--------------------|
| First prize  | \$25.00 | - Gerry Adkins     |
| Second prize | 15.00   | - Richard Waggoner |
| Third prize  | 10.00   | - Lee Daily        |
| (Tie)        |         | - John McKinley    |

e. Allied Arts Competition

|             |         |                        |
|-------------|---------|------------------------|
| First prize | \$25.00 | - Miles Brittelle, Jr. |
|             | 15.00   | - Douglas Kelley       |
|             | 10.00   | - Robert Ponto         |

f. Student AIA Chapter Competition.

Winner - Lee A. Daily

g. Architectural Faculty Awards.

|                     |                   |
|---------------------|-------------------|
| First year student  | - Robert D. Hyatt |
| Second year student | - Lee A. Daily    |

11g (Cont'd)

Third year student - Donald J. Henry  
Fourth year student - Deryl E. Dick  
Senior student - Roy E. Short

- h. Pickett Slide Rule Prize.  
Winner - Robert Torres
- i. Vance Drawing Instrument Prize.  
Winner - Arthur Fu
- j. ASTM Student Membership Award.  
Winners - John Muller  
- James Nicks

THE REPORT OF THE COLLEGE OF FINE ARTS  
July 1, 1958 to July 1, 1959  
Edwin E. Stein, Dean

THE FACULTY

The faculty of the College of Fine Arts has undergone significant changes during the 1958-59 academic year. The College deeply regrets the death of Mr. John Poore, Associate Professor of Art. Professor Poore contributed much to the strength and growth of the Art Department through his genuine love of teaching, his artistry and thorough knowledge of the Crafts area.

The Art Department profited from the influence of Elaine de Kooning, who served as Visiting Artist for one semester, and from the appointment of Mr. Keith Monroe, noted California artist.

Faculty additions for the coming year in the Art Department include Miss Betsy Brown, newly appointed Instructor of Art in Crafts, Mr. Paul Wright and Mr. Howard Cook, both temporary, to replace Professors Adams and Tatschl, who will be on sabbatical leave.

Mr. Edwin Gerschefski has been appointed Chairman of the Music Department, effective next fall, and Mr. Charles W. Davis, has been appointed Assistant Professor of Music to serve as choral director and teacher of voice, replacing Mr. William Wilcox. It is anticipated that these two appointments will strengthen the choral organizations, the field

of music composition, and the administration of the Music Department.

The Fine Arts faculty has been especially active and productive during this academic year. The faculty of the Art Department has been represented in a large number of important exhibitions in New Mexico and other parts of the nation, and the Gallery shows, under the direction of Mr. Ralph Lewis, have been very good. The Music faculty has presented many concerts and recitals on campus and throughout the State in addition to their regular teaching assignments, and has contributed much to the development of Music in the State through clinic and festival participation and public school curriculum evaluations. The Drama staff has given an excellent series of productions on campus, and has been generally active in state and regional drama activities. The Fine Arts faculty as a whole is well represented in local, state and national professional organizations.

The last Annual Report from this College indicated the low faculty salary average in each rank as compared to other colleges on campus. It should be mentioned in this report that recent salary adjustments for the coming year indicate a desire on the part of the Administration to alleviate this situation.

#### THE CURRICULUM

The most notable changes in curriculum occurred in the

Drama Department. The College of Arts and Sciences, in co-operation with the Drama Department, has authorized a drama minor in the English Department effective next semester. The Speech Department of the College of Arts and Sciences and the Drama Department have cooperated in developing a Radio-Television-Drama emphasis which should be of interest to those students primarily interested in Radio and Television as a career. Also, the Summer Drama Workshop offered for the first time last summer, continues to be successful and a significant addition to the summer cultural program. The Art and Music Departments have assigned sections of appreciation courses for non-majors only in an effort to stimulate interest in these arts on campus.

The Nelson Survey of the University of New Mexico last year was critical of several aspects of the Fine Arts curriculum. The College has given considerable thought to Dr. Nelson's opinions, and it seems appropriate to express in this report the view of the College toward such critical statements, some of which were quoted in the UNM Alumnus, November-December, 1958.

From the Nelson Survey, pp. 6 and 7:

"Several curricula in the College of Fine Arts, although more liberal than at many institutions, strike the examiner as still being more narrow than they should be in view of the uses to which the training provided will be put. Schools of engineering, law, medicine, pharmacy, education, and business administration send their graduates en masse into the professional fields they represent. For students working in the fine arts, however, there will be little opportunity to become professional painters, composers,



actors, concert artists, or even fully employed musical performers.

Should not, therefore, this employment situation be kept realistically in mind when planning curricula? Should not music and the art of acting and pictorial art be considered as humanistic disciplines and, along with philosophy, history, and literature, be studied in the context of a program of liberal education? True, this is done in the combined program leading to the degree of Bachelor of Arts in Fine Arts, but to the examiner it seems that for the Bachelor of Fine Arts degree more 'required' rather than 'permissive' electives are called for, as well as a more unified plan for their selection and use. The curricula in music and in dramatic art appear to him to be particularly lacking in this regard."

From the UNM Alumnus, November-December, 1958, p.6:

"But in some other divisions he (Dr. Nelson) found a 'regrettable narrowness in the training, largely prescribed.' Fine Arts, he believes, does not take a realistic view of the employment situation."

From these statements one might assume that:

1. Specialized education in engineering, law, medicine, pharmacy, education and business is admissable--but not in the Fine Arts, because Fine Arts graduates do not follow their profession for a living.
2. The various curricula in the College of Fine Arts do not take into consideration the employment possibilities for students in the arts.
3. The only function of the College is to graduate professional actors, concert artists, and painters for which there is no 'market'.
4. On one hand, "There is a regrettable narrowness" and on the other, "more 'required' than 'permissive' electives are needed in the curriculum."

In regard to the first item above, there are 113 Fine Arts College graduates from the past five years, about whom post-graduation information is presently available; 70 are using their professional training to earn a living, or are graduate students in the arts; 35 graduates are housewives; 4 are in military service; 4 are in other occupations than some phase of the arts. Considering the number of women who specialize in the arts, there is a rather close correlation between training and livelihood. Furthermore, there is good reason to believe that the attitudes and disciplines developed in a serious study of the arts are not unrelated to good and successful living as a housewife, or as a citizen in some other occupation.

In regard to the second and third assumptions above, each department has several curriculum patterns which, in the collective knowledge and experience of the Fine Arts faculty, provide effectively for the primary occupational outlets in the areas of Music, Drama, Art and Architecture, and parallel quite closely the curriculum patterns and offerings in other state universities. If it is assumed that the only purpose of the College is to graduate actors for "Broadway", concert artists for "Carnegie Hall" and the "Met", and painters who sell their paintings for full living expenses, there might be cause for concern. But, while we do occasionally have graduates who attain one of these heights, such as Diebenkorn in Art, or Kim Stanley

in Drama, the great majority of graduates work gainfully in a myriad of other occupational facets of the arts. Perhaps the majority of the graduates go into some aspect of the teaching profession, private or institutional. Positions with music publishing houses, book publishers, music instrument manufacturers, retail firms, concert agencies, radio and TV stations, large churches, community orchestras, and choruses attract our graduates in music. As in music, many Art Department graduates go into some aspect of teaching, although there are opportunities in occupational therapy, the art supply business, commercial art, interior decoration, architectural drawing or work with museums and galleries. Drama graduates find employment in teaching, theatrical supply houses, community theatre, publishing houses and in radio and TV. A successful financial career in the arts has never been an easy matter, but this neither negates the need nor the strong desire on the part of some, in spite of this fact, to seek artistic success as well as adequate material reward.

The statement concerning "regrettable narrowness" refers in the main to the Music curriculum. In the field of Music Education at the University level, there is one principle evaluating agency, the National Association of Schools of Music. The Nelson Report (p. 8) recognizes University of New Mexico membership in this association as an achievement. A comparison of N.A.S.M. curriculum recommendations

in the field of Music Education with UNM requirements is as follows:

| <u>N.A.S.M. RECOMMENDATIONS</u> |     | <u>UNM</u> |
|---------------------------------|-----|------------|
| General Cultural Subjects       | 33% | 36%        |
| Professional Education Subjects | 20% | 18%        |
| Music Subjects                  | 47% | 46%        |

The opinion expressed in the Report that in some instances more 'required' than 'permissive' electives should be included in the curriculum refers mainly to the Drama Department, which allows a certain number of completely 'free' electives. A review of this matter with the Drama Department reveals that these electives are normally chosen outside of the Department in other subject matter fields, and that the catalog advises students to do so.

The Department of Drama has compared its offerings with the Universities of Texas, Arizona, Northwestern, Utah and Oklahoma. A comparison of the professional drama curricula shows the following:

|              | <u>DRAMA<br/>REQUIREMENTS</u> | <u>SPECIFIED COURSES<br/>OUTSIDE DEPARTMENT<br/>OF DRAMA</u> |
|--------------|-------------------------------|--|
| U.N.M.       | 64 hours                      | 52 hours   |
| Arizona      | 75 hours                      | 44 hours   |
| Northwestern | 61-1/3 hours                  | 36 hours   |
| Oklahoma     | 52-75 hours                   | 53 hours   |
| Texas        | 67-76 hours                   | 30 hours   |
| Utah         | 48 hours                      | 48-2/3 hours   |

The chairman of the Art Department has compared our curriculum with that of Arizona, Michigan State, Florida State, and Georgia, all recognized art departments. The University of New Mexico requires fewer art courses than

two of these schools, and at most, three credits more than the other two. One of these schools requires 72 hours of art compared to 51 hours at U.N.M. A review of courses required outside of art, shows that U.N.M. is considerably more 'liberal' than these other schools, even though three of the departments are in liberal arts colleges.

Recent studies have shown that there is no particular pattern or "menu" of formal courses which will assure the achievement of the broad educational goals which we all seek regardless of the subject matter field. The College of Fine Arts has as one of its principle purposes an intensive training in specifics for purposes of depth, and is opposed to the propogation of dilettantism or shallowness in any form.

The College recognizes the desireability of its students acquiring as much and as varied information as possible during the four undergraduate years, and a continuing effort will be made to 'liberalize' as well as to maintain the highest academic and artistic standards. There is no doubt in our minds but that it is a very difficult task to educate students for breadth as well as depth in four years, but we shall always strive to develop a curriculum for New Mexico students which is sound and practicable, and to improve teaching, the most important phase of any curriculum.

The College of Fine Arts is pleased to report that

some of its students participated in the College of Arts and Sciences Honors program, and that several of this faculty have been invited to teach these gifted students.

#### ENROLLMENT, STUDENT CREDIT HOUR PRODUCTION AND TEACHING COSTS

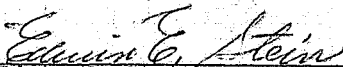
The College of Fine Arts has increased 7.5% in enrollment over the 1957-58 academic year, with an 8.7% increase in Student Credit Hour production. According to the State Educational Finance Board Report, covering the year 1957-58, the Music Department reduced teaching costs by \$7.02 per student credit hour over the preceding year. This was a decrease in student credit hour teaching cost of approximately 20%.

It is also noteworthy that all departments in the College report an increase in enrollment of non-Fine Arts students. This is the result of a distinct effort on the part of the College to serve the University on a broader basis.

#### PHYSICAL FACILITIES

It is a pleasure to report that the Board of Regents has approved funds for the construction of the Music portion of the proposed Fine Arts Center, and that the new facilities for Drama and Art will follow. The completion of the Center will give long-needed instructional space for the Arts.

Details of the activities of the various departments and facilities may be found in the enclosed Departmental reports and Biographical Record Supplements.

  
Edwin E. Stein, Dean  
College of Fine Arts

THE REPORT OF THE DEPARTMENT OF ART  
July 1, 1958 - June 30, 1959  
Lez L. Haas, Chairman

1. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1958-59.

During the past year the most significant achievement has been the continued increase in enrollment, particularly in the courses offered at the freshman level. The greater part of this increase has been due to the interest of students outside of the Art Department, while the number of majors within the department has remained fairly constant.

Additions have continued to be made to the slide collection which at this point includes 500 slides purchased for shipping expenses only from the United States National Museum of Art. We have also been promised a collection of 2,500 slides covering American art and furnished by the Carnegie Institution at no cost whatsoever. 7



During the past year considerable impetus was given to the painting program by having on our campus Mrs. Elaine de Kooning, who is a contemporary artist of no mean reputation. This was also augmented by the presence of Miss Enza Quargnali, who is a graduate student from Italy and who is, in addition, well acquainted with contemporary painting in that country. Further, one of our students, Miss Janet Jenkins, was one of two recipients in the United States of awards offered by MADEMOISELLE magazine. Finally, we submit a list of the exhibits scheduled in the Art Gallery this past year:

|                                |   |
|--------------------------------|---|
| Sept. 25 - Oct. 15/58          | Paintings by students in the Summer Session   |
| Oct. 18 - 30                   | Annual Art. Dept. Faculty show<br>Paintings and drawings by the students of Elaine de Kooning |
| Nov. 1 - 30                    | "Renoir to Picasso" print show  |
| Oct. 30 - Nov. 15              | The Paintings of Elaine de Kooning  |
| Nov. 17-30                     | The Architecture of Felix Candela   |
| Dec. 1 - 20                    | National Assoc. of Women Artists  |
| Dec. 14-20                     | Annual Student Christmas sale & show  |
| Jan 10-30/59                   | Photography of Eliot Porter   |
| Feb. 7-28                      | Paintings of Connie Boyd Fox  |
| Mar. 7-30                      | Monoprints of Alice Garver  |
| April 1-30                     | Corrales Art Assoc. Black & White show  |
| April 10-30                    | Architectural show (Dept. of Arch.)   |
| May 17-24                      | Thesis show in painting - Al Barela   |
| May 24-June 12                 | Thesis show in crafts - Bob Reeves  |
| May 25-June 12                 | Annual student show   |
| April - May                    | Linda Musser Collection of Navajo Jewelry, loaned by Mr. & Mrs. P. Fritjofson                 |
| "Painting of the Month" series |   |
| January                        | Jackson Pollock, Joslyn Museum, Omaha   |
| February                       | Abraham Rattner, Univ. of Oklahoma  |
| March                          | Mark Rothko, Univ. of Arizona<br>Carl Redin - private coll.                                   |

## 2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

Most of the departmental plans are being held in abeyance pending the actual construction of a new Fine Arts Center. These include such things as expanded programs and expanded exhibition offerings, which will undoubtedly include shows of national importance and the instigation of public education through the use of our planned instructional gallery.

One of the most poignant recommendations we have for the near future is the continuation of a program involving visiting artists from various areas in the United States. Our present faculty is excellent; however, working in New Mexico as we are, we feel it necessary to have new ideas, new concepts and new art movements injected into our teaching continually. Also, as Chairman, I believe it would be to the advantage of the University to see to it that several of our faculty are furnished funds in order that they may visit, observe and study exhibits in the major metropolitan areas.

## 3. APPOINTMENTS TO STAFF.

Mrs. Elaine de Kooning, hired as Visiting Artist, to teach painting, Semester I, 1958-59.

Mr. Keith Monroe, hired to teach Three Dimensional Design as Visiting Professor, Semester II, 1958-59.

## 4. SEPARATIONS FROM STAFF.

It is with deep regret that we must report the death of Professor John Poore (June 27, 1959). We, the faculty of the Art Department, feel that we owe John Poore a very great debt in that he awakened enthusiasm for the Crafts program within the department, planned a very progressive program in that area and certainly did as much or more than anyone else to enliven interest in our offerings within the general university student body and the State of New Mexico. Were it not for Professor Poore, this department would not be as well represented in the current Southwestern Craftsman's Show in Santa Fe.

## 5. PUBLICATIONS.

## (a) Books and monographs:

DOUGLASS, Ralph Waddell - finished work on revision of "Calligraphic Lettering" (Watson-Guptill, 1949) to be published when present edition is exhausted.

SMITH, Sam - Illustrated the book "George Curry, 1861-1947" edited by H.B. Henning, published 1959 by Univ. of New Mexico Press.

## (b) Articles:

BUNTING, Bainbridge - brief article, "School Building Boom", Art in New Mexico, p. IV. May, 1957 (Not reported previously - issue delayed in printing.)

MALLARY, Robert - "The Possibilities for Modern Art", published in the quarterly bulletin for the Roswell Museum and Art Center, Summer, 1958.

## (c) Reviews - None

6. COMPLETED RESEARCH PROJECTS. None

7. OUTSIDE-SPONSORED RESEARCH.

SMITH, Sam - Reconstructed head and features (drawing for possible identification) of John Doe, for District Attorney's office, Albuquerque.

TATSCHL, John - Received <sup>C/</sup>commission to make stained glass window for the Presbyterian Hospital, Albuquerque. Received commission to make a fountain for a private home (J.C. Modrall), Albuquerque. Commissioned to execute a relief-sculpture for a business building in Albuquerque. Commissioned to make a bronze portrait of U.S. District Judge, S. Bratton, Law Building, UNM.

8. OTHER PROFESSIONAL ACTIVITIES.

a) Exhibits:

ADAMS, Kenneth M. - The National Academy of Design, 134th Annual Exhibition, Feb. 19-Mar. 16, 1959; The Corrales Art Assoc. Black and White Exhibition, UNM Fine Arts Gallery, April 1-30, 1959; Biennial Exhibition of New Mexico Artists, Museum of New Mexico, 1958; Cedar City Art Exhibit, Annual, Invitational, April 5-20, 1959, Cedar City, Utah; 12th Annual Exhibition of Prints and Drawings, Museum of New Mexico, December, 1958; Traveling Exhibition of Prints and Drawings, Museum of New Mexico, 1958-59; Ninth Southwestern Exhibition of Prints and Drawings, Dallas Museum of Fine Arts, Jan. 1959; Traveling Exhibition of the above Southwest Area until Feb. 1960. Special Exhibition of Taos Painters, Taos Artists Association Gallery, Taos, N.M., December, 1958; One Man exhibition, Unitarian Church, Albuquerque, New Mexico, May 24, 1959; New Mexico State Fair Exhibition, 1958; Southwestern Biennial, Museum of New Mexico, June, 1959; Fiesta Exhibition, Museum of New Mexico, 1958.

DOUGLASS, Ralph W. - Participated in exhibitions including Museum of New Mexico Travelling Show, and Italic Handwriting, Stanford University, May, 1959

HAAS, Lez L. - Exhibit of watercolors, Unitarian Church, Albuquerque; Alcove show, New Mexico Museum; Two Man Show with Robert Mallary, Emily Ramage Bookstore; One Man Show, California Palace of the Legion of Honor, San Francisco, California.

LEWIS, Ralph - Albuquerque Moderns Travelling Show; Craftsmen of New Mexico Show; New Mexico Biennial and Travelling Show; Circle Exhibit (Roswell, '58); Southwestern Biennial; One Man Show, New Mexico Museum.

MALLARY, Robert - One man show, Museum of New Mexico, July, '58; One Man Show, Roswell Museum, March, '59, (A large panel "Acoma" acquired by the museum for its permanent collection); Two works selected by the Museum of Modern Art (N.Y.C.) for inclusion in their current (May, '59) comprehensive sculpture exhibition "Contemporary Sculpture - U.S.A.", this exhibition to travel to various cities throughout the country, one of these works to be reproduced in the May '59 issue of ART NEWS; Work included in travelling show, Albuquerque Moderns; Five works in Five Man Show, Highlands Univ., Las Vegas, N.M. '58; Work included in "Artists West of the Mississippi", sponsored by Colo. Springs Fine Arts Center, April '59; Two Man Show (with Lez Haas) at Emily Ramage Bookstore; One Man Show at Jonson Gallery, UNM, May '59; Two works in show sponsored by Corrales Art Assoc., summer '58; Collaboration with LaVonne Schrieber on series of woven (tapestry) wall hangings.

PAAK, Carl - New Mexico Craft Show, ceramics, June '58; New Mexico State Fair Crafts Show, 1st prize ceramics, Sept. '58; Denver Art Museum ceramic show, June '58; Crafts Guild San Antonio Texas, ceramics, Oct. '58; Design Derby, Miami, Florida, ceramics, Nov. '58; Invitational Crafts Show, ceramics, Chicago, Ill., April, '59, sponsored by Museum of International Folk Art, Santa Fe.

SMITH, Sam - Represented in the following collections of paintings: Mr. James R. Toulouse, Dr. Stuart W. Adler, Dr. W. O. Connor, Jr., Tota Drilling Company.

TATSCHL, John - Participated, sculpture exhibit, Museum of New Mexico, One work won Purchase award for '59. Executed a bronze portrait plaque of Goddard, for Roswell Museum; Exhibited in Sculpture show, Corrales, New Mexico; Graphic Show at Unitarian Church, Albuquerque.

b) Judging, Lectures, Radio and TV appearances, etc.

ADAMS, Kenneth M. - Jury member for selection of 12th Annual Exhibition of Prints and Drawings, Museum of New Mexico, November, 1958.

BUNTING, Bainbridge - Talks to diverse groups including Rocky Mt. Council Latin American Studies, Art League of New Mexico, P.T.A's, Verde Valley School, Sedona, Ariz., various women's clubs, Cosmopolitan Club, church groups and lectures for depts. of History, Music and Philosophy.

HAAS, Lez L. - Lecture, "Modern Art" for Art League of N.M., Feb. '59; Judge for the following exhibits: Art Exhibit, State Fair, Lubbock, Texas; New Mexico Art League Annual Show; Taos Art Association Purchase Award; Canon City, Colo., Annual Exhibit.

LEWIS, Ralph - Lecture, Sandia Base Women's Club

MALLARY, Robert - Appointed as a nominating consultant by Ford Foundation grant-in-aid to artists project, May, 1959.

PAAK, Carl - Arranged "Artist of the Month" exhibits at First Unitarian Church, Albuquerque.

SMITH, Sam - Lecture, Sandia High School, May, '59.

TATSCHL, John - Gave commencement address, Verde Valley School, Sedona, Ariz. June, '59; Gave lecture at Verde Valley School in Jan. '59; Gave lecture on esthetics in modern times at New Mexico University, Las Cruces, April '59; Radio talk on current exhibitions in New Mexico, KHEM, April '59; Talk on stained glass to Architects of New Mexico; Talk on stained glass to Episcopalians Group, St. Michaels Church.

9. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES, etc.

ADAMS, Kenneth M. - AAUP, Prairie Print Makers, National Academy of Design, N.M.E.A., Honorary Member New Mexico Art League, Who's Who in New Mexico, Who's Who in the West, Who's Who in America, Who's Who in the Arts, Taos Artists Association.

DOUGLASS, Ralph W. - Elected one of Artist's Equity Association's five national vice presidents, May, 1959.

HAAS, Lez - Same as in previous year.

PAAK, Carl - A.A.U.P.; American Craftsmen Council; Midwestern Designer-Craftsmen Council.

#### 10. IMPORTANT STUDY AND TRAVEL.

DOUGLASS, Ralph W. - Attended Annual Meeting of Artists Equity Association - May, 1959, elected to office as noted above.

MALLARY, Robert - Continuing research activities in the use of polyester resin and other plastic materials for use in painting and sculpture.

#### 11. GIFTS.

During the past year, the Art Department received three additional donations in the form of annual awards to be given to students, these are as follows:

LANGELL PRIZE FOR CREATIVE WORK IN ART. An award of \$25 to be made for the best creative work of art submitted in the annual student art show. ( Given by Langell's Uptown Store.)

CARL REDIN MEMORIAL PRIZE FOR DRAWING. An award of \$25 to be made for the best creative work of art submitted in the annual student art show. (Given by Homer Schlamer).

\$100 ANONYMOUS AWARD - An annual award to be given to a student in art for outstanding achievement.

The Report of the Department of Drama  
July 1, 1958 - June 30, 1959  
Edwin Snapp, Chairman

1. Significant achievements during the academic year,  
1958-59.

The Department of Drama added a new minor to its curriculum this year: Students of the College of Arts and Sciences may now obtain a minor in Dramatic Art by taking a minimum of 22 hours of Dramatic Art Courses.

Drama 60, Summer Theatre Workshop, which was authorized by the Curricula Committee last year, was offered for the first time during the past Summer Session. Although the initial offering is considered as most successful by the department the student credit hour allotment has been redesigned for the coming summer. Students will no longer be limited to a minimum of four credit hours for enrollment.

Drama 51-52, Radio and Television Drama Production, for the first time coordinated its production activities with the university's own television station--KNME-TV. Four "live" shows were produced under the direction of Professor Gene Yell.

During the year the physical plant of the department was improved by installation of an air-conditioning system in the University Theatre auditorium. The primary purpose of this installation was to house the



Summer Theatre audiences in comfort during the hot summer months.

2. Significant plans and recommendations for the near future.

The Department of Drama's plans for its immediate future include:

1. Cut scenery doors in north wall of the University Theatre and in the south wall of Building H-2.
2. Install steam heat in the Commedia Theatre and provide ceiling vents with exhaust fans for changing air in the Commedia auditorium.
3. Installation of a "listening room" with tape recorder and adequate tape cabinet for speech students lab assignment.

3. Appointments to staff.

None.

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 included the following major productions: "Simple Simon" (a children's play), "The Diary of Anne Frank," "The Late Christopher Bean," "The Lark," and "A Bow to the One Act." The final production, "A Bow to the One Act," included two original plays by former students: "The Misfit" by Muriel Pride Harrity and "Pastoral" by Jim Morley. The Student Workshop Theatre presented a bill of original one-acts for the general public: "Monday, Without Night" by James Galloway, "The Gamblers" by William Bingham, and "The Pig, the Book and the Second Son" by Doug Koss.

Assistant Professor George Stoughton directed the one-act play "This Way to Heaven" which was presented for the University Faculty Women's Club and Menaul High School.

Associate Professor Gene Yell gave lectures on theatre subjects to the UNM Architecture classes.

Chairman Edwin Snapp spoke on theatre at the Sandia High School and Valley High School career

days. He acted as theatre consultant for the Albuquerque Junior League Children's Theatre.

9. Activities in learned and professional societies.

Assistant Professor Nadene Blackburn and Chairman Edwin Snapp attended the Southwest Theatre Conference in Amarillo, Texas, October 30, 31 and November 1. Professor Snapp was renamed American Educational Theatre Association representative for Sandia Base and the IV Army Command; he was also reappointed by UNESCO to act as state representative for International Theatre Celebration, 1958-59.

10. Important study and travel.

None.

11. Gifts.

From the estate of the late Mr. Pierce C. Rodey:

1. Antique Chinese desk valued at \$1,000.00.
2. Costumes and properties valued at \$100.00.

The Report of the Department of Music  
July 1, 1958 - June 30, 1959  
Nina Ancona, Acting Chairman

1. Significant achievements during the academic year 1958-59.

The Music Department organized a Fine Arts Festival, a series of seven concerts by faculty and students, during the week of May 17-24 as a climax to the year's performance activities. The quality of performance and content of programs was exceedingly high. It is hoped that the Festival will become an annual affair. Other recitals during the year reflected the high standard of music performance which we have come to expect of this department, notably the orchestra playing of the six Brandenburg concerti of Bach, the Robert-Frederick, Robert-Snow and Robert-Schoenfeld recitals. Other than the 30 weekly Wednesday afternoon student programs and the Fine Arts Festival, the department has been responsible for more than forty faculty recitals, band, orchestra and chorus concerts, and junior and senior recitals. The "Fanfare 1959" event, using the University modern choir and dance band with "Buddy" de Franco, an outstanding jazz clarinetist, was -- in this field -- a superb production. The department has awarded five performance scholarships of \$150 each and eight of \$75 each to incoming 1959-60 freshmen with money raised through the Fanfare concert and part of the proceeds from orchestra and opera workshop productions.

2. Significant plans and recommendations for the near future.

Any important plans for the future await the arrival of Mr. Gerschefski as chairman of the department. With his valuable

past experience and a new and constructive viewpoint the department should make much progress under his leadership.

3. Appointments to staff.

Mr. Edwin Gerschefski has been appointed Professor of Music and Chairman of the department, effective September 1, 1959.

A choral director - voice instructor will be appointed effective September, 1959.

4. Separation from staff.

Mr. William Wilcox, instructor of voice, has resigned, effective July 1, 1959.

5. Publications

(a) Books

Miller, Hugh M. Introduction to Music: A Guide to Good Listening. New York: Barnes and Noble, 1958.

(b) Articles

Batcheller, John. "Where does it all begin." New Mexico Musician, Vol VI, No. 2 (Jan. 1959).

"An Introduction". New Mexico Musician, Vol. VI, No. 3 (May 1959).

Frederick, Kurt. "Thoughts After the Clinic". The New Mexico Musician, Vol. VI, No. 3 (May 1959).

Rhoads, William. "Interpretation in Conducting". LeBlond Bandsman (Feb. 1959).

"Teaching Fundamentals". Myers Band News (March 1959).

(c) Reviews

McRae, Donald. Review of Zucher Zanale "Sound and Symbol". University of New Mexico Quarterly, Vol. II, No. 3 (Fall 1958).

(d) Music

Rhoads, William. "Tres Baladas" for band. Carl Fischer (now in process of publication).

6. Completed Research projects

Prof. George Robert received a grant-in-aid for the reproduction of the scores and parts of a woodwind quintet from his own compo-

sitions. The quintet was performed on a chamber music recital May 19 with great success.

7. Outside research projects
8. Other professional activities.

Faculty members gave recitals for the university and the general public as follows: Kurt Frederick and George Robert, violin and piano; Jane Snow and George Robert, voice and piano in Albuquerque, Taos and Las Vegas; Morton Schoenfeld and George Robert, two-piano recital; Kurt Frederick played the Brahms violin concerto with an orchestra in Santa Fe and Los Alamos; Morton Schoenfeld gave a Bach lecture-recital on May 18, was soloist for the Franck Symphonic Variations with the University orchestra, toured with artists of the Community Concert association as accompanist and piano soloist; Walter Keller was a harpsichord soloist with the University Orchestra for the Brandenburg concerti concerts and with the Albuquerque Chamber Music society; George Robert has been on tour as an accompanist and soloist for the Community Concert association, was soloist with the University band in Gershwin's Rhapsody in Blue on May 21; James Thornton has made numerous appearances with the Woodwind Quintet on the campus and for various city organizations; James Whitlow has appeared in eight lecture-recitals with the New Mexico Brass Ensemble, has been a guest soloist with the Rio Grande Symphony and with the Gallup High School band. Jane Snow was soloist for the University Chorus productions of the Faure Requiem, with the Albuquerque Chamber Music Society and the Santa Fe Sinfonietta. William Wilcox sang the tenor lead in the Opera Workshop production of "The Bartered Bride", was a soloist for the

Civic Chorus "Messiah" concert, was tenor soloist for the Civic Symphony in Beethoven's "The<sup>9th</sup> Symphony". Professor Stephenson made important evaluations of the music programs of the public schools for Santa Fe, Belen and Los Alamos. Members of the faculty are frequently called upon as adjudicators for clinics and festivals in New Mexico, Texas, Colorado. Professor Rhoads was a guest conductor at the University of Wisconsin summer music camp. Faculty members also are much involved in church and civic organizations as choir directors and church soloists, members of the Symphony and Community Concert boards. John Batcheller has been director of the Civic Chorus and Kurt Frederick directs the Albuquerque Youth Symphony with Jack Stephenson as a co-director. Mr. Batcheller has directed a workshop in recreational leadership in elementary music education at Farmington. Walter Keller served as president of the Albuquerque Civic Symphony.

9. Activities in learned and professional societies.

Professor Snow was program chairman for the Regional Convention of the National Association of Teachers of Singing and also a faculty member for a Vocal Workshop at Texas Christian University sponsored by the same organization. Mr. Whitlow is making a survey of materials for brass instruments for the National Association of College Wind and Percussion Instructors. Mr. Wilcox gave a solo recital at the state convention of the New Mexico Music Teachers Association in Portales. Professor Stephenson was an active participant in the Southwest Division meeting of the Music Educators National Conference at Wichita as chairman of the Research Council, appearing on two panels, "Music and the Gifted Child" and "Strings in the Elementary Schools".

Mr. Stephenson is state president of the American String Teachers Association and responsible for a most successful state meeting with a string clinic for 180 public school students; was chairman for the New Mexico Music Educators Association All-State Music Clinic for 800 high school students at the University in January. Professor Batcheller has been district vice-president of the National Music Teachers Association. Professor Keller has been Dean of the Albuquerque Chapter of the American Guild of Organists and vice-president of the Albuquerque chapter of the New Mexico Music Teachers association, a co-director of the Albuquerque Chamber Music Society. Mrs. Ancóna is State Vice-President of the New Mexico Federation of Music Clubs; was named, with Dr. Keller, to membership in Phi Kappa Phi in May, 1959; is faculty advisor of SAI.

10. Important study and travel

Dr. Miller completed a year's Fulbright Lectureship Grant as a lecturer at Auckland University, New Zealand, in November, 1958. Professor Schoenfeld attended the Harvard Summer session in studies toward a doctorate.

11. Gifts

Mr. and Mrs. Walter M. Mayer of Santa Fe have established a scholarship of one hundred dollars annually in memory of Mrs. Berta Van Hurt Stone, Mrs. Mayer's mother, to a student enrolled in the University of New Mexico, majoring in the field of music. Miss Charlemaud Curtis of the Music Mart has given the department phonograph recordings in the amount of two hundred dollars.



The Report of the Graduate School  
July 1, 1958 - June 30, 1959  
E. F. Castetter, Dean

I. SIGNIFICANT ACHIEVEMENTS

New Degrees

(a) The Department of Modern and Classical Languages and the Department of History jointly proposed to the Graduate Committee a new doctoral program in Ibero-American Studies. The motivation for the request at this time came from the U.S. Department of Health, Education and Welfare in accordance with its interest in stimulating an expansion of certain lines of graduate work under Title IV of Public Law 85-864. The proposal was approved by the Graduate Committee, the General Faculty, the State Board of Educational Finance, and the State Board of Finance and will be placed in operation at the beginning of Semester I, 1959-60. The program is subsidized very largely by a grant from the Department of Health, Education and Welfare which, among other things, supports seven graduate doctoral fellowships annually. Dr. Albert R. Lopes is the Director of the program.

(b) Upon recommendation of the College of Education, the appropriate bodies (referred to above) approved the degree of Master of Arts in Teaching. Approval was granted with the understanding that the Faculty would be approving the principle of the degree, not as a specific degree to be established separately and in itself. This larger degree framework could be applied to a number of high school subject areas. Specific masters degree programs in the teaching of various subjects will have to be presented to the Graduate Committee and to the General Faculty as need arises

in the subject matter departments.

(c) The first case representing the implementation of the new degree described in (b) came from the Department of Modern and Classical Languages in the form of a request for approval of a degree entitled "The Master of Arts in Teaching Spanish," and received approval of all the appropriate bodies. The financing of this degree is also subsidized to a very large degree by the Department of Health, Education and Welfare under the National Defense Title IV program.

(d) A new doctoral program leading to the Sc.D. in Electrical Engineering was approved and placed in operation in 1956. In the spring of 1959, the College of Engineering requested approval of a broadened and expanded Sc.D. program in other engineering fields, namely, Mechanical, Civil, Nuclear, and Chemical Engineering. This is a College-wide program offering work in engineering concentrations rather than along strictly departmental lines and involves dropping of the specific Sc.D. in Electrical Engineering. For example, a nuclear engineering concentration might well include work in every engineering department. Such a program affords opportunity for considerable latitude in the composition and sequence of the student's education; it also makes possible the maximum use of the collective talents and specialties of the faculty as well as all laboratory and research facilities. The request has been approved by all appropriate bodies except the State Board of Educational Finance and the State Board of Finance, both of which will act on the request in the fall of 1959.

Residence Requirement for the Doctorate

The minimum residence requirement for a doctoral degree which has been in force for a number of years states "Residence at the University of New Mexico shall include at least two successive regular semesters following completion of the master's degree or its equivalent, during which periods at least one-half of the student's time is to be spent in academic pursuits on campus. In these semesters, the student shall complete at least 12 semester hours of course work for graduate credit or equivalent program of study or research approved by the major department and the Dean of the Graduate School."

Owing to certain complexities that have arisen in connection with the implementation of the above statement, the regulation has been discussed by the Graduate Committee on several occasions within recent years. As the result of a recent request by Dr. Richard Moore, Chairman of the Department of Electrical Engineering, that the Committee modify the statement of the regulation in order to encompass an unusual situation that exists in the Department of Electrical Engineering, the Committee discussed the matter at several meetings within the 1958-59 academic year and worked out the following:

Be it resolved that with reference to students who satisfy the residence requirements by being on campus full time, the term "academic pursuits" appearing in the residence requirements for the Ph.D. and D.Sc. degrees be interpreted to mean such combination of course work, departmental or individual research, and teaching as is mutually acceptable to the candidate's department chairman and the Dean of the Graduate School. The minimum course work, or individual research equivalent thereof, to be completed during the two successive regular semesters of residence remains 12 hours total for both the Ph.D. and D.Sc.

In passing the resolution, the Graduate Committee took cognizance of the fact that the Department of Electrical Engineering requires students to be on campus full time for two successive semesters in contrast to the terms of the general regulation, which requires at least two successive semesters during which periods at least one-half of the student's time is to be spent in academic pursuits on campus. Should other departments later wish to require full-time residence for two semesters, they will be free to apply the newly modified statement to their doctoral candidates upon approval of the Graduate Committee.

#### Graduate Centers

By General Faculty approval on May 27, 1958, a student was permitted to take a maximum of 64 hours of undergraduate work at the Graduate Center in Los Alamos with the understanding that he would be required to take a minimum of 30 hours in his senior year on the University campus. This left a gap of 26 hours required for the degree which he could get only on campus or by transfer from another institution.

In April, 1959, Los Alamos educational authorities requested that the Vice President of the University explore the possibility of allowing a Los Alamos student to fill this gap of 26 hours by taking University of New Mexico correspondence, extension, or television courses. As the result of a recommendation of the Vice President of the University to the Committee on Entrance and Credits regarding an interpretation of the action of the General Faculty taken in the spring of 1958, that Committee on May 21, 1959, unanimously approved the following interpretation of Item 6 of regulations passed by the General Faculty on May 27, 1958, to

govern acceptance in baccalaureate degree programs of the University of New Mexico credits earned at the Los Alamos Center.

The student at Los Alamos may take any combination of University of New Mexico credit offerings, subject to the existing correspondence and extension limitation, up to senior classification, which will count toward the baccalaureate degree and he will be required to take a minimum of 30 semester hours in residence at the University of New Mexico Campus in Albuquerque to complete his degree program.

Any student who takes up to 64 semester hours of designated residence credit at the Los Alamos Center may, by a combination of the designated residence credit earned at Los Alamos and residence credit earned on the Albuquerque campus of the University, qualify under the 15-hour or 24-hour provisions of the senior residence requirement.

Although the above action is not specifically a Graduate School matter, it has a definite bearing upon the Los Alamos graduate program which is the reason for its incorporation in this report.

#### Educational Aids Program - Sandia Corporation

Sandia Corporation has established several educational aids for their employees who are graduate students (also applies in part to undergraduates) at the University. These are as follows:

(1) Fifty per cent of tuition costs are paid by the Corporation for any employee who successfully completes authorized course work with a grade of "C" or better. An employee pays only fifty per cent of the tuition at the time of registration and the Corporation pays the other fifty per cent directly to the University. An employee who does not successfully complete course work (with the minimum grade of "C") is required to reimburse the Corporation for the tuition advanced.

(2) Time off with pay up to  $7\frac{1}{2}$  hours per week for class and travel time may be authorized under the program for junior, senior, and graduate students. For graduate students time off may be authorized at any time during the working day. For junior and senior students, time off is limited to classes beginning at 8:00 a.m., 11:00 a.m., 1:00 p.m. and 4:00 p.m.

(3) The Corporation subsidizes the graduate program by matching the regular tuition charged graduate students by the University of New Mexico.

Decentralization of the Processing of  
Graduate Assistantship Applications

Within the last year the Graduate School has been entering into new phases of development associated with expanding programs and increasing enrollments. In view of this it is believed the time has come to gradually decentralize some of the processes and procedures now carried on by the Graduate Office.

As a first step in decentralization, the Graduate Committee has approved a recommendation of the Graduate Dean that departments be asked to assume responsibility for processing Graduate Assistant applications, up to the step of approval by the Graduate School for appointment and admission.

Upon recommendation of the Dean, a second change was made. Since standards of admission to the Graduate School have been raised, the former policy of requiring Graduate Assistants to offer for appointment higher qualifications than those for admission is now obsolete. Therefore, in general, in the future a student admitted to regular graduate status will be eligible for appointment as a Graduate Assistant.

Changes in Minor Requirement for Master's Degree  
in the College of Education

For several years the Graduate Office has been concerned about the fact that many candidates for the Master of Arts degree in the College of Education have graduated without having any course work outside the College, and the Dean of the Graduate School has been working quietly to endeavor to secure a change in the situation. Dean Castetter and Dean Travelstead, after discussing the problem on several occasions, set up on March 19, 1959, a meeting of the Graduate Committee with a number of representatives of the College of Education to discuss the matter. For several months prior to the meeting the faculty of the College of Education had been holding meetings with a view to solving some of the problems involved.

At the joint meeting, the College presented a written proposal setting forth the general thinking of the College on this matter; also recommended minimal and maximal limits of the number of hours of course work for each department in the College of Education that will henceforth be taken outside the College by candidates for master's degrees. These limits met with the approval of the Graduate Committee.

## II. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

### Space Needs for the Graduate Office

As indicated in the 1957-58 annual report, the Graduate Office is badly in need of additional space for both staff and storage. It is planned that, when the Department of Anthropology is moved into the old Student Union Building, additional space adjacent to present Graduate Office quarters will be taken over. Graduate enrollment in the fall of 1958 was 1308 and it is anticipated that

enrollment will continue to grow and this will require more space. In procuring this space, provision must be made for an office for the Graduate Dean since the time is not far off when the Deanship and the Vice Presidency cannot be carried by one person.

III. APPOINTMENTS TO THE STAFF. None.

IV. SEPARATIONS FROM STAFF. None.

V. PUBLICATIONS. None.

VI.-VIII. Not applicable.

#### IX. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

Dean Castetter attended the annual meeting of the Midwest Conference on Graduate Study and Research held in Chicago, April 20-21, 1959. Formerly a member of the Membership Committee which passes on the admission of new graduate schools to the Conference, he is now chairman of this Committee.

X. IMPORTANT STUDY AND TRAVEL. None.

XI. GIFTS. None.

#### XII. MISCELLANEOUS

##### Annual Research Lecture

The sixth Annual Research Lecture in the series established in 1954 was presented by Dr. William Parish, Professor of Business Administration, on May 1, 1959, before an audience of more than 200. The title of this interesting and scholarly lecture was "The German Jew and the Commercial Revolution in Territorial New Mexico."

##### Baccalaureate and Commencement Speakers

One of the functions of the Graduate Committee is to recommend to the President of the University suitable nominees as speakers



for the annual Baccalaureate Service and Commencement Exercises. In 1959 the persons recommended by the Committee and approved by the President were:

Baccalaureate Speaker: The Reverend Dr. Louis Hadley Evans, Sr.  
Minister-at-Large for the Board of National  
Missions of the United Presbyterian Church  
in the United States

Commencement Speaker: Dr. Norris E. Bradbury  
Director, Los Alamos Scientific Laboratory

#### Honorary Degrees

On recommendation of the Graduate Committee and approval by the General Faculty and the University Regents, the following honorary degree was awarded at the 1959 June Commencement:

Doctor of Laws: Emil Walter Haury  
Professor of Anthropology  
University of Arizona

#### Graduate Assistantships and Fellowships

The Graduate Assistant stipend has been increased from the 1958-59 figure of \$1600 to \$1800 for the 1959-60 academic year. The number of Graduate Assistants in the year 1958-59 was 83; for 1959-60 the number is 86.

During 1958-59 the line of demarcation between Junior and Senior Fellowships was eliminated; the special fellowship category was also eliminated. A new fellowship plan was inaugurated through which only one type of fellowship will be available. Fellowship stipends will be variable and will be geared to the academic quality of the appointee, the maximum being \$1500.

Graduate Enrollments During the Period  
As Compared with Those of the Previous Two Years

|                      | <u>Sem. I</u><br><u>1956-7</u> | <u>Sem. II</u><br><u>1956-7</u> | <u>Sem. I</u><br><u>1957-8</u> | <u>Sem. II</u><br><u>1957-8</u> | <u>Sem. I</u><br><u>1958-9</u> | <u>Sem. II</u><br><u>1958-9</u> |
|----------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| Day & Evening Totals | 980                            | 953                             | 1206                           | 1126                            | 1302                           | 1179                            |
| *Los Alamos          | 173                            | 151                             | 179                            | 150                             | 178                            | 140                             |
| *Holloman            | 61                             | 42                              | 45                             | 47                              | 47                             | 34                              |

\*Included in totals

Summer Session Enrollment for the Period  
As Compared with the Two Preceding Summers

| <u>1957 SS</u> | <u>1958 SS</u> | <u>1959 SS</u> |
|----------------|----------------|----------------|
| 608            | 749            | 773            |

Graduate Enrollments by Departments for the Period  
Compared with Those of the Previous Two Years

| <u>Department</u>       | <u>1956-7</u><br><u>Sem. I</u> | <u>1957-8</u><br><u>Sem. I</u> | <u>1958-9</u><br><u>Sem. I</u> |
|-------------------------|--------------------------------|--------------------------------|--------------------------------|
| American Studies        | 8                              | 3                              | 3                              |
| Anthropology            | 24                             | 20                             | 18                             |
| Art                     | 15                             | 18                             | 16                             |
| Biology                 | 25                             | 27                             | 25                             |
| Business Administration | 39                             | 73                             | 83                             |
| Chemistry               | 41                             | 46                             | 49                             |
| Economics               | 12                             | 17                             | 11                             |
| Gen. Prof. Education    | 21                             | 17                             | 17                             |
| Art Education           | 5                              | 4                              | 8                              |
| Elementary Education    | 38                             | 38                             | 35                             |
| Phys. Educ. & Health    | 7                              | 17                             | 23                             |
| Educ. & Admin. Services |                                |                                |                                |
| Educational Admin.      | 56                             | 56                             | 54                             |
| Guidance                |                                | 34                             | 52                             |
| Secondary Education     | 21                             | 21                             | 28                             |
| Education Doctorate     |                                | 11                             | 13                             |
| Chemical Engineering    | 3                              | 0                              | 8                              |
| Civil Engineering       | 15                             | 29                             | 21                             |
| Electrical Engineering  | 145                            | 162                            | 189                            |
| Mechanical Engineering  | 124                            | 162                            | 157                            |
| English                 | 30                             | 48                             | 46                             |
| Geology                 | 23                             | 27                             | 41                             |
| Government              | 12                             | 12                             | 6                              |
| History                 | 17                             | 19                             | 35                             |
| Int. Amer. Affairs      | 7                              | 2                              | 5                              |
| Mathematics             | 59                             | 64                             | 75                             |
| Modern Languages        | 17                             | 20                             | 22                             |

(Continued)

Graduate Enrollments by Departments (Cont.)

| <u>Department</u> | <u>1956-7</u><br><u>Sem. I</u> | <u>1957-8</u><br><u>Sem. I</u> | <u>1958-9</u><br><u>Sem. I</u> |
|-------------------|--------------------------------|--------------------------------|--------------------------------|
| Music             | 3                              | 3                              | 8                              |
| Music Education   | 12                             | 19                             | 12                             |
| Philosophy        | 2                              | 3                              | 2                              |
| Physics           | 45                             | 79                             | 90                             |
| Psychology        | 18                             | 15                             | 14                             |
| Sociology         | 3                              | 4                              | 5                              |
| Speech            | 5                              | 7                              | 10                             |
| <br>SPECIALS      | <br>127                        | <br>129                        | <br>121                        |
| <br>TOTALS        | <br>979                        | <br>1206                       | <br>1302                       |

Master's Degrees Granted in the Period  
Compared with the Two Preceding Years

| <u>Department</u>           | <u>1957</u> | <u>1958</u> | <u>1959</u> |
|-----------------------------|-------------|-------------|-------------|
| Anthropology                | 3           | 2           | 0           |
| Art                         | 6           | 9           | 4           |
| Biology                     | 4           | 11          | 4           |
| Business Administration     | 2           | 4           | 4           |
| Chemistry                   | 1           | 1           | 2           |
| Economics                   | 1           | 1           | 3           |
| Gen. Professional Education | 0           | 1           | 0           |
| Art Education               | 4           | 4           | 0           |
| Elementary Education        | 7           | 6           | 18          |
| Phys. Educ. & Health        | 1           | 6           | 8           |
| Educational & Admin. Serv.  |             |             |             |
| Guidance                    | 0           | 7           | 19          |
| Educational Admin.          | 29          | 16          | 15          |
| Secondary Education         | 9           | 10          | 8           |
| Civil Engineering           | 2           | 6           | 5           |
| Electrical Engineering      | 6           | 11          | 11          |
| Mechanical Engineering      | 4           | 7           | 10          |
| English                     | 6           | 6           | 7           |
| Geology                     | 4           | 11          | 7           |
| Government                  | 3           | 2           | 2           |
| History                     | 4           | 2           | 6           |
| Inter-American Affairs      | 1           | 1           | 1           |
| Mathematics                 | 4           | 1           | 2           |
| Modern Languages            | 6           | 5           | 3           |
| Music                       | 0           | 0           | 0           |
| Music Education             | 1           | 4           | 4           |
| Philosophy                  | 0           | 0           | 0           |
| Physics                     | 4           | 3           | 8           |
| Psychology                  | 1           | 5           | 4           |
| Sociology                   | 0           | 0           | 1           |
| Speech                      | 1           | 2           | 1           |
| <br>TOTAL                   | <br>114     | <br>144     | <br>157     |

Ph.D. Degrees Conferred by Departments in the Period  
As Compared with the Two Previous Years

| <u>Department</u> | <u>1957</u> | <u>1958</u> | <u>1959</u> |
|-------------------|-------------|-------------|-------------|
| American Studies  | 0           | 3           | 2           |
| Anthropology      | 0           | 2           | 0           |
| Biology           | 2           | 2           | 1           |
| Chemistry         | 8           | 4           | 6           |
| English           | 4           | 3           | 3           |
| History           | 1           | 0           | 0           |
| Modern Languages  | 0           | 2           | 1           |
| Physics           | 1           | 0           | 0           |
| TOTAL             | 16          | 16          | 13          |

The Report of the College of Law  
July 1, 1958 - June 30, 1959  
Robert Emmet Clark, Acting Dean

1. SIGNIFICANT ACHIEVEMENTS DURING  
THE ACADEMIC YEAR 1958-59

The law school graduated its tenth class of 27 members.

There are now 202 graduates of the University of New Mexico College of Law.

During the year 1958-59 the law faculty as a whole, and a special curriculum committee of the faculty, revised the law school curriculum. The primary aim of this undertaking was to meet the needs of first-year law students. We have reduced the work load from 30 hours to 27. We have instituted a course in Legal Analysis-Legal Research which combines work previously handled in other courses and takes advantage of the special training received by Mr. Swihart at Indiana University in this type of program. Other substantial changes were made in the curriculum which are omitted from discussion here. Each of these was the result of effort to 1) improve instruction and 2) capitalize on special talents of faculty members.

Through the courtesy of Charles S. Lanier, a graduate of the University of New Mexico, and the firm of which he is an officer, the New Mexico Title Company, the College of Law was able to print its first Directory of Graduates at no expense to the University. Copies have been sent to alumni, administrative officers of the University, and New Mexico law firms.

Student co-operation in the legal education process has continued successfully. The Student Bar Association sponsored bi-weekly luncheons during the year. The students participated in, and were hosts to, the Regional Moot Court Competition. The Student Bar Association sponsored, jointly with the State Bar of New Mexico and the Albuquerque Bar Association, a legal institute on May 1-2, 1959. The institute was the most successful of any offered thus far from the point of view of instruction and attendance. However, the students have some doubt about the feasibility of continuing this type of activity in conjunction with the State Bar. The problem of managing such a large institute is perhaps much more than the students should be required to handle. Some changes may be expected next year.

The Law Alumni Association commissioned John Tatschl of the Fine Arts Department to prepare a bronze plaque of Judge Sam G. Bratton, former Regent of the University and currently Chief Judge of the Tenth Circuit. The plaque will be presented to Judge Bratton in August, 1959.

On April 23, 1959, Professor Julius Stone of the University of Sydney, Australia, delivered the Simms Lecture on "International Law and the Price of Survival." On the preceding day he gave a lecture in Mitchell Hall on "The Rule of Law in the Relations of States."

During the academic year President William A. Sloan of the State Bar and Acting Dean Clark visited eight local bar associations of the state. Mr. Sloan spoke on the subject of improving the administration of justice. Mr. Clark spoke on the functions of a University law school. Mr. Clark pointed out that the professional

responsibilities of a law school require students and faculty to undertake research, report writing and other types of work not ordinarily required in regular graduate instruction. This joint effort received favorable comment throughout the state. In November, 1958, President Sloan and Mr. Clark were on a program in Mexico City and were joined in this program by distinguished professors and leaders of the bar of the Republic of Mexico. Mr. Clark addressed the joint convention of La Barra Mexicana (one organized bar association of the City of Mexico) and the State Bar of New Mexico on the subject of "Aspectos Vitales de Una Herencia Jurídica Común," ("Vital Aspects of our Common Legal Heritage"). This address was printed in Mexico in Spanish and reproduced in English in the State Bar Proceedings of the State of New Mexico.

One of the few rewards of acting as chairman during the past year has been the opportunity to further the acquisitions of special collections for the law library in the fields of comparative jurisprudence, criminal law, family law, international law, natural resources law, procedure, taxation, and other fields designated by the law faculty.

## 2. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

Immediately after the Governor's veto of the Law Journal Bill (S. 60) sponsored by the Bar, and following the selection of Mr. Countryman as the new Dean, plans were discussed for trying to obtain foundation funds to improve our program of instruction, particularly in writing, by

establishing a journal. For some time Mr. Clark has hoped that a Natural Resources Journal could be established at the University. Mr. Countryman has approached Resources for the Future, the Carnegie Institution, and the Ford Foundation with the hope of furthering this plan. At this time the prospect does not look favorable for the subsidization of a journal itself. The reason is entirely understandable: foundations generally have a policy against subsidizing publications. Mr. Countryman and Mr. Clark will continue, with the help of the entire faculty, to explore plans whereby a journal would be a vehicle of instruction, so that available funds might be obtained to improve legal education and the writing skills. A Journal of Natural Resources Law could accomplish this purpose and contribute in a neglected area of law -- i.e., water law, oil, gas and hard minerals, public lands and State-Federal problems.

A summary of several recommendations for improving the program of instruction follows. Some of these recommendations were made by law faculty committees, others, by the Acting Dean.

**SUMMARY OF RECOMMENDATIONS  
FOR IMPROVING LAW CURRICULUM**

1. Further inquiry into publication of law journal.
2. Additional faculty member -- one-half time editor and one-half time Legal Writing instructor.
3. Required seminars for third-year students which require additional writing.
4. Employment of graduate or research assistants in law school. At least two are needed.



5. Additional financial and clerical help for mimeographing materials prepared by faculty for class use.
6. Secretarial help during the summer months is essential. This is the period in which the law faculty is chiefly productive in terms of completing research, publications, etc.

**ADDITIONAL SUGGESTIONS DIRECTLY  
RELATED TO LAW SCHOOL PLANS AND IMPROVEMENTS**

1. Hiring and promotion policies of new faculty members. Some changes are necessary with respect to years in rank and pay scales. The University of New Mexico promotion system bears no relation whatsoever to the law school world.
2. Make the Law School Admission Test (Educational Testing Service) required for admission.
3. Establish qualitative criteria for admission beyond the first degree.

**3. APPOINTMENTS TO STAFF**

Due to the unusual circumstances last year and the fact that no successor to Dean Gausewitz had been appointed, parenthetical mention was made of the appointments of Thomas C. Chapin, effective July 1, 1958, for the academic year 1958-59, and R. Dale Swihart, effective July 1, 1958, as a regular Assistant Professor.

This report makes further parenthetical mention of the appointment of Ted Finman to the faculty, effective July 1, 1959. Mr. Finman will teach Evidence and Procedure primarily. Mr. Finman holds the B.A. degree from the University of Chicago, a similar degree from Stanford University, and an LL.B. from Stanford University Law School. At Stanford Mr. Finman graduated first in his class and was President of the Stanford Law Review.

Mr. Finman has been highly recommended to us by his former teachers and he comes to us after five years of practice. He is married and has two children.

In March, 1959 the law faculty voted unanimously to recommend the name of Vern Countryman to the University Administration for appointment as Dean of the College of Law. Subsequently Mr. Countryman accepted the appointment, to become effective July 1, 1959. Due to the pressure in winding up his practice in Washington, D. C., Mr. Countryman will not arrive in Albuquerque until about August 12. Mr. Countryman holds the B.A. and LL.B. from the University of Washington, where he was a member of Phi Beta Kappa and The Order of the Coif. He was law clerk to Justice Douglas, Sterling Fellow at Yale Law School, and a member of the Yale Law faculty for seven years. More recently he has been a partner in Shea, Groenman & Gardner, Washington, D. C. Mr. and Mrs. Countryman and their two daughters will leave Washington August 1 and will drive to Albuquerque.

#### 4. SEPARATIONS FROM THE STAFF

Assistant Professor Jerrold Walden was separated from the staff on June 30, 1959. Mr. Walden has accepted a position as Visiting Associate Professor at the University of Alabama School of Law. Mr. Finman replaces Mr. Walden.

As Indicated above, Mr. Thomas C. Chapin was appointed to the faculty for one year. He completed the year and has since left the University as of June 30, 1959.

The College of Law was saddened by the sudden death of Margaret Keiper Dailey on June 17, 1959. Mrs. Dailey was a 1951 graduate of the College, member of the State Bar of New Mexico, and was General Counsel of the Legal Aid Society of Albuquerque for eight years. As Director of Legal Aid she was a member of the law faculty.

## 5. PUBLICATIONS

### (a) Books and Monographs

POLDERVAART, ARIE. Manual of New Mexico Justice Court Practice. Denver, Colorado: Courtright Publishing Company, 1958. 281 p.

POLDERVAART, ARIE. New Mexico Appellate Practice, Brief and Argument. Second edition. Albuquerque: University of New Mexico, 1958. 41 p.

WEIHOFEN, HENRY. In Favor of the Durham Rule. In Crime and Insanity. New York: Philosophical Library, 1958. 279 p.

### (b) Articles

CLARK, ROBERT ENNET. "Guardianship of Children," Child at Law. Report of 28th Ross Pediatric Research Conference. Paper presented February 4, 1958. Published by Ross Laboratories, Columbus, Ohio (1958).

CLARK, ROBERT ENNET. "Vital Aspects of our Common Legal Heritage (Aspectos Vitales de Una Herencia Juridica Comun)." A paper given in Spanish before Joint Session of the State Bar of New Mexico and La Barra Mexicana, Mexico City, November 11, 1958. (To appear in El Foro, official publication of La Barra Mexicana. Published in English in the Proceedings of the State Bar of New Mexico, 1958.)

CLARK, ROBERT ENNET. "Water Law Institutions and the Community," New Mexico Quarterly, Volume XXVIII, 2,3,4 (1958).

## 5. Publications - Continued

### (b) Articles - continued

VERNON, DAVID H. "Some Constitutional Problems in the Conflict of Laws and Statutes of Limitations," Journal of Public Law, VII, No. 1 (July, 1958), 120-134.

WEIHOFEN, HENRY. "The Urge to Punish," Pastoral Psychology IX (June, 1958), 29-36.

WEIHOFEN, HENRY. "Current Controversies about Legal Education (A Survey)," Cleveland-Marshall Law Review, VIII (May, 1959), 199-209.

WEIHOFEN, HENRY. "Teaching of Psychiatry in Law Schools: Comment," Journal of Criminal Law, Criminology, and Police Science, XLIX (November-December, 1958), 314-15.

### (c) Reviews

CLARK, ROBERT ENNET. Review of Haber and Bergen, "The Law of Water Allocation in the Eastern United States," 52 Law Library Journal 72-73 (February, 1959).

## 6-7. RESEARCH

### CLARK, ROBERT ENNET

A Study of Water Rights in the State Engineer's Office (with Nathaniel Wollman) - continued.

"Public Control of Ground Waters in the Western States," a volume in progress.

### POLDERVAART, ARIE

Work on New Mexico Probate Practice Manual.

Work on Practice Manual for Small Law Libraries.

### SEED, VERLE R.

First five chapters of Title II, Mineral Development of Federal Public Domain and Reserved Lands, of Treatise on American Mining Law, have gone to the printer.

6-7. Research - continuedVERNON, DAVID H.

Article: "Tolling Problems in the Conflict of Laws and Statutes of Limitation," to be published in Vanderbilt Law Review.

Article: "Survey of the Economics of the Legal Profession in New Mexico," to be published by the Bureau of Business Research.

Title XIV, American Law of Mining has been submitted to the publisher (Matthew Bender) and at least a portion of it is in galley. Publication date is uncertain.

WEINOFEN, HENRY

Writing of chapters for a book on "The Law of Criminal Correction," to be published by the National Probation and Parole Association.

Writing of articles to be published in Journal of Public Law, Nomos, Bulletin of the Manning Clinic.

Writing of book reviews to be published in Journal of Social Therapy, National Probation and Parole Association Journal, Journal of Criminal Law and Criminology, New Mexico Quarterly.

8-9. PROFESSIONAL ACTIVITIESCLARK, ROBERT EMMET

Of counsel, *Natress v. United States* and other San Marcial flood cases.

Member, Statewide Advisory Committee on Annual New Mexico Water Resources Conference.

New Mexico Water Resources Conference, New Mexico ASH, November 1-2, 1958.

Member, State Bar Committee on Development of the Law School.

Member, State Bar Committee on Publications.

# **8-9. PROFESSIONAL ACTIVITIES**

## **CLARK, ROBERT ENMET - Continued**

Taught five-week summer session course in Public Water Law at University of Colorado.

Speeches before local County Bar Associations in New Mexico from August, 1958, through May, 1959, on "Bar Examinations and Some Whys of Legal Education (Santa Fe), "The Functions of a University Law School (Las Cruces, Lovington, Gallup and Clovis), "Improvement of the Administration of Justice in New Mexico" (Farmington and Santa Fe).

Board of Directors, Legal Aid Society of Albuquerque.

## **POLDERVAART, ARIE**

Participated in annual meetings of National Commission on Uniform State Laws, Los Angeles.

Participated in annual meeting of American Association of Law Libraries, Washington, D. C.

Board member, Albuquerque Bar Association.

Vice-Chairman, New Mexico State Library Commission.

## **SEED, VERLE R.**

Annual meeting of Rocky Mountain Mineral Law Foundation Institute, Boulder, Colorado, August, 1958. (Is Trustee of the Foundation.)

Interstate Oil Compact Commission meeting, Kansas City, November, 1958 and New Orleans, June, 1959.

## **VERNON, DAVID H.**

Drafting of legislation prohibiting discrimination in housing; drafting of legislation regulating the sale of goods in New Mexico. (Bills were not enacted.)

Speech to Heights Lions Club on Right to Work Laws.

8-9. PROFESSIONAL ACTIVITIES - Continued

WALDEN, JERROLD

Prepared sound track for movie, "In Pursuit of the Law."

Lecture to Physical Education students, "Tort Responsibility of Teachers"

Speaker, Career Day, Valley High School and Highland High School.

WEIHOFEN, HENRY

Member, Board of Isaac Ray Award of the American Psychiatric Association.

Member, Advisory Council of Boston University Law-Medicine Research Institute.

Member, Advisory Committee, University of Chicago Jury Project.

Talk before American Society for Legal and Political Philosophy and Round Table on Jurisprudence, Association of American Law Schools, Chicago, December 29, 1958.

LECTURES AND SPEECHES

University of New Mexico 21 Club, Albuquerque, November 17, 1958.

Conference on Immigration, Denver, Colorado, December 6, 1958.

American Association for United Nations, Albuquerque, December 13, 1958.

American Society for Legal and Political Philosophy, Chicago, December 29, 1958.

United Student Christian Fellowship, Albuquerque, January 15, 1959.

KINE TV program, "State of Mind," Albuquerque, January 21, 1959.

Legislative meeting, New Mexico Conference of Social Welfare, Santa Fe, New Mexico, January 21, 1959.

Unitarian Church, Albuquerque, January 25, 1959.

National Institute of Mental Health, Seminar on Psychiatric Problems in Medical Practice, Roswell, New Mexico, April 4, 1959.

8-9. PROFESSIONAL ACTIVITIES - Continued

WEIHOFEN, HENRY - continued

Institute on Preventive Psychiatry, University of Iowa,  
Iowa City, Iowa, April 10, 1959.

Vanderbilt University, Nashville, Tennessee, April 16, 1959.

Kiwanis Club, Albuquerque, April 22, 1959.

Albuquerque Lawyers Club, May 11, 1959.

Menninger Foundation, Topeka, Kansas, May 27, 1959.

Institute for Developing Leadership in Community Mental  
Health, Clark County Association for Mental Health,  
Las Vegas, Nevada, June 6, 1959.

Eastern New Mexico Mental Health Planning Council,  
Clovis, New Mexico, June 12, 1959.

10. STUDY AND TRAVEL

Mr. Clark attended a joint meeting of the Bar of Mexico City  
and the State Bar of New Mexico November 10-12, 1958 in Mexico City.  
On June 15, 1959 Mr. Clark began teaching a new course in Public Water Law  
at the University of Colorado School of Law. The session lasted five  
weeks. The last week of this session was combined with the Western  
Resources Conference, also held at Boulder. Representatives from  
all over the West participated, including member schools of WICHE.

After attending the annual meeting of the American Association  
of Law Libraries in New York City in mid-June, Mr. Poldervaart and his  
family traveled for seven weeks visiting fourteen South and Central  
American countries.



10. STUDY AND TRAVEL - Continued

Mr. Vernon was enrolled on June 15, 1959 at New York University for advanced courses in legal education under an eight-weeks fellowship granted him by that institution.

11. GIFTS

The following are all important for obviously different reasons:

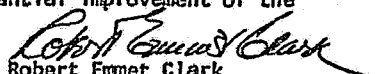
The New Mexico Title Company, through its President, Charles S. Lanier, made it possible for the College of Law to print an attractive Directory of Graduates.

Sheila Rodey Faust and Edgar Faust established the Pearce C. Rodey Memorial Award in Law in honor of Mrs. Faust's father, the late Pearce C. Rodey. This award provides \$75 annually for two prizes of \$50 and \$25 for excellence in legal writing. (This award replaces the John F. Simms Memorial Award established by Mr. Rodey.)

The Margaret Keiper Dailey Award in Law was established by relatives of Mrs. Dailey, faculty and staff of the College of Law, graduates of the College, and Legal Aid associates of Mrs. Dailey. The increment from this fund will provide book awards to students with satisfactory scholastic achievements and "those qualities of heart and mind that distinguished Mrs. Dailey's personal and professional life."

The Albuquerque Journal Publishing Company made available to the law school library in September of 1958 a gift of \$10,000 to be used for special collections in honor of the memory of T. M. Pepperday. This gift has already made possible the substantial improvement of the law library.

August 5, 1959

  
Robert Emmet Clark  
Acting Dean

# THE REPORT OF THE COLLEGE OF NURSING

July 1, 1958 - June 30, 1959

Eleanor M. King, Dean

## I. Achievements during the academic year, 1958-1959.

This year marked the completion of the first four-year cycle of the College of Nursing; for the first time, the University awarded the degree of Bachelor of Science in Nursing at the annual commencement exercises in June. Of the twelve graduating students, three were elected to Phi Kappa Phi, national honor society; one graduated "With University Honors"; one graduated "With Distinction". The eight students who completed the entire nursing program in this College wrote the State Licensing Examinations in June: the median scores for the group were above the national average. (Four graduating students were already registered nurses and had written the examinations previous to enrolling in the College.)

Five major courses were offered for the first time, courses required of all students in the senior year: Nursing 151L (9), Psychiatric Nursing; Nursing 152L (9), Public Health Nursing; Nursing 161L (5), Medical-Surgical Nursing Processes; Nursing 162L (5), Advanced Obstetric-Pediatric Nursing; Nursing 182 (2), Seminar: Problems and Trends in Nursing.

For the new courses requiring nursing practice,

satisfactory arrangements were made with the following agencies for students to have nursing experiences selected and supervised by the faculty of the College:

Nazareth Sanatorium: Psychiatric Nursing

Bernalillo County Health Department and Albuquerque Visiting Nurse Service: Public Health Nursing

Bernalillo County-Indian Hospital: Medical-Surgical Nursing Processes and Advanced Obstetric-Pediatric Nursing

In addition to the new regular course offerings, a three-week, three-credit-hour workshop in Cardiovascular Disease Nursing was offered in July during the regular summer session and attended by thirty-eight registered nurses. The Workshop was conducted for one week by Miss Mary Ann McIntyre, Coordinator of Cardiovascular Disease Nursing Program, School of Public Health, University of Minnesota, and for two weeks by Miss Margaret Denham, Chief Nursing Consultant, Heart Disease Control Program, U. S. Public Health Service. Coordinator of the Workshop was Miss Velma Long, Nursing Consultant, New Mexico Department of Public Health. Costs of the Workshop were shared by the University, State Health Department, U.S. Public Health Service, and State Heart Association.

#### II. Plans for the academic year, 1959-1960.

Because of the great interest and demand from nurses over the state, the Cardiovascular Disease Nursing Workshop may be repeated during Semester II, 1959-60.

Two new courses for registered nurses are being planned, one in Hospital Head Nursing and one in Cancer Nursing. There is not only great need among employed nurses for additional

education in these areas, but numerous requests for such courses by nurses, administrators, and physicians. It is probable that the Head Nursing course will be offered during Semester I and the Cancer Nursing course for three weeks in June.

The major plans for the year, of course, center on continuing stabilization and improvement of the four-year curriculum offered to students working toward the baccalaureate degree and licensure as registered nurses. Now that the curriculum has been completed once in its entirety, the dean and faculty are in a position to make adjustments and refinements in teaching and student experiences.

A major event of the coming year will be the accreditation review of the College by the Accrediting Service of the National League for Nursing. A preliminary report by the College has already been prepared; it is anticipated that accrediting reviewers will visit the College for a week in the autumn and that final action on the status of the College will be taken at the November meeting of the Board of Review of the League's Accrediting Service.

It should be remembered that the only accreditation legally required is that by the New Mexico Board of Nursing. The College has had such State accreditation from the beginning. The National accreditation, though optional, is highly desirable; it represents higher standards and some agencies, especially public health agencies, consider for nursing employment only those prepared in nationally accredited programs.

### III. Appointments to staff.

January 1, 1959: Miss Winifred Evans, B. S.  
Instructor, Fundamentals of Nursing

January 1, 1959: Miss Genevieve Noble, B. A., M. A., M. S.  
Assistant Professor, Psychiatric Nursing

### IV. Separations from staff.

None.

### V. Publications.

AUFHAUSER, TRUDE. "Child Care in Other Countries",  
Nursing World, May, 1959.

AUFHAUSER, TRUDE. Review of Florence Erickson, "Play  
Interviews for Four-Year-Old Hospitalized Children",  
Nursing Outlook, April, 1959

LACOUR, DOROTHY: editor. Nursing in New Mexico.  
Committee on Careers, New Mexico League for Nursing, 1959.

### VI. Other professional activities.

#### Aufhauser, Trude

Vice-President, District 1, N. N. Nurses Association  
Program Chairman, N. N. League for Nursing  
Speaker, Annual Meeting, N. N. Nurses Association  
Speaker, Annual Meeting, N. N. Student Nurses Association

#### Dean, Virginia

Member, Finance Committee, N. N. Nurses Association

#### Jensen, Faith

Chairman, Nominating Committee, N. N. Nurses Association  
Adviser, N. N. Student Nurses Association  
Board Member, Sernalillo County Heart Association  
Member, Program Committee, N. N. Conference on Social  
Welfare  
Delegate, Biennial convention of National League for  
Nursing

#### Kiny, Eleanor

President, N. N. League for Nursing  
Chairman, Health Section Sessions, N. N. Conference  
on Social Welfare  
Chairman, Committee on Certification of School Nurses,  
N. N. Departments of Education and Public Health  
Member, Executive Committee, Western Council on Higher  
Education for Nursing (WICHE)  
Board Member, N. N. Heart Association  
Board Member, Albuquerque Visiting Nurse Service

Member, School Health Committee, N. M. Departments  
of Public Health and Education  
Member, Advisory Panel to Rural Health Survey,  
Santa Fe County Health Department

Lacour, Dorothy

Consultant in Team Nursing, Western Council on  
Higher Education for Nursing (WICHE)  
Board Member, N. M. Nurses Association  
Chairman, Committee on Careers, N. M. League for  
Nursing  
Chairman, Nominating Committee, Special Groups  
Section, N. M. Nurses Association

Pederson, Dorothy

Member, Committee on Careers, N. M. League for  
Nursing

VII. Gifts.

| <u>Amount</u> | <u>Donor</u>   | <u>Recipient</u>  |
|---------------|--|---|
| \$100.00      | Alpha Delta Pi<br>Alumnae  | Dorothy Hallenberger  |
| \$200.00      | Auxiliary, N. M.<br>Assn. of Osteo-<br>pathic Physicians<br>and Surgeons | Joyce Neuber  |
| \$625.00      | Auxiliary, N. M.<br>Medical Society                                      | Carmelita Allapowa<br>(\$250.00)<br>Louise Grey<br>(\$125.00)<br>Gwendolyn Hastings<br>(\$250.00) |
| \$25.00       | Irene Bennett<br>Nursing Award   | Mary Cordero  |
| \$210.00      | B.P.O. Does,<br>Santa Fe   | Ernestine Rodriguez   |
| \$100.00      | District 1, N. M.<br>Nurses Assn., Albq.                                 | Sally Vigil   |
| \$200.00      | District 12, N.M.<br>Nurses Assn., Silver<br>City                        | Ernestine Rodriguez   |
| \$100.00      | Espanola Hospital<br>Volunteer Service                                   | Ernestine Rodriguez   |
| \$100.00      | Society of 40 & 8<br>(Los Alamos)  | Maxetta Borchardt   |

| <u>Amount</u> | <u>Donor</u>                            | <u>Recipient</u>  |
|---------------|---|---|
| \$250.00      | Society of 40 & 8<br>(State)            | Ernestine Rodriguez<br>(\$125.00)<br>Dorothy Hallenberger<br>(\$125.00)                     |
| \$200.00      | Am. Legion Post 49<br>Albuquerque       | Louise Grey   |
| \$350.00      | Julia P. Meardon<br>Nursing Award       | Louise Grey<br>(\$225.00)<br>Carmelita Allapowa<br>(\$125.00)                               |
| \$600.00      | Pilot Club of<br>Albuqueroue            | Mary Cordero<br>(\$200.00)<br>Nancy Lalicker<br>(\$200.00)<br>Adelita Meestas<br>(\$200.00) |
| \$360.00      | Progress Woman's<br>Club<br>Albuquerque | Janet Holman<br>(\$240.00)<br>Margaret Miller<br>(\$120.00)                                 |

Report of the College of Pharmacy  
July 1, 1958 - June 30, 1959  
Elmon L. Cataline, Dean

I. SIGNIFICANT ACHIEVEMENTS DURING THE ACADEMIC YEAR, 1958-59.

- (a) The most significant action of the College of Pharmacy during the year under review was the completion of its work on the five-year program of pharmaceutical education. This program, which was approved by the General Faculty on June 8, 1959, will become effective on April 1, 1960.

The five-year program of this College (a copy of the program and an explanatory statement is attached to this report) is planned to give the student a broader education as well as a better professional training. Heretofore, the necessary professional requirements have precluded the student's enrolling in more than a modicum of work in the social sciences, humanities, fine arts, etc. Under the new program, the student will be required to elect at least fifteen hours of work in such areas and most will probably elect more than fifteen hours. Thus, the student will, as someone has said, "gain a college education along with his professional training."

The extension of the educational program in pharmacy is long overdue. Not only must the modern pharmacist keep abreast of the tremendous advances in the medical sciences, he must also practice his profession and conduct his business in an increasingly complex world. His role as a consultant in drugs to the medical profession and the public, as well as his serving as a confidante in health and other matters to the members of the community, make it imperative that he be as broadly educated as possible.



The College of Pharmacy is embarking on this new program with much enthusiasm. We sincerely believe that graduates of the extended program will be able to render ever better service to the public.

- (b) The faculty of the College of Pharmacy has continued to pursue its program of inter- and intraprofessional relations with vigor. The College has been represented at all state and local meetings of professional organizations, as well as at many of the national meetings, and the members of the faculty have served on a number of important committees of these groups.
- (c) The research program of the College has been broadened during the past year. Nearly all members of the faculty have published research papers or have submitted one or more for publication. This is especially significant when it is considered that the College offers no work at the graduate level.

## II. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE.

- (a) Although the five-year program will not be in operation until the end of the second semester of the coming year, the members of the faculty will be faced with the necessity of beginning the planning of the new courses, upgrading current courses which will be retained in name, at least, and establishing policies relative to the extended program.

Fortunately, the transition will be gradual and the added work will be spread over a period of about five years.

Nevertheless, these matters will be uppermost in the minds of the faculty during the next year.

- (b) As more and more college graduates have begun the practice of pharmacy, there has been an increasing desire among them for short courses designed to bring them current professional and business information. The desire has now been translated into demand through a resolution adopted at the 1959 Convention of the New Mexico Pharmaceutical Association. This resolution put the Association on record as "favoring an Information Course..."

In addition, the Association, recognizing the importance of an improved program for pharmacy internes has, by resolution, urged the College of Pharmacy and the New Mexico State Board of Pharmacy to establish a Pharmacy Interne Program.

Furthermore, the College has hoped that it might increase and improve its professional contacts with the individual pharmacists of the state with a view to (1) disseminating helpful professional and business information to the pharmacists, (2) improving the program for the recruitment of students, and (3) bettering the College's intraprofessional relations.

The present faculty can not organize, direct and participate in the important activities mentioned here without endangering the teaching program. It would appear that the answer lies in the employment of an additional faculty member who would serve a dual role. First, he would teach courses which

are denominated "Pharmaceutical Administration", i.e. courses which are concerned with the business aspects of pharmacy. At present we offer only one such course, namely, "Pharmacy Management." Second, he would organize and direct "refresher work", work with the New Mexico State Board of Pharmacy in connection with the Interneship Program, and visit individual pharmacies in the state for the purposes mentioned above.

This is by no means a novel idea. Several other Colleges of Pharmacy now employ individuals for such purposes. They report great gains in the area of professional service by the practitioners as well as vastly improved relations of the College with the profession.

It is, therefore, recommended that serious consideration be given to the employment of an additional faculty member to carry out the duties herein stated. It is further recommended that provision for the employment of such a person be made no later than the academic year 1961-62.

### III. APPOINTMENTS TO STAFF.

- (a) Dr. Marvin H. Malone was appointed Assistant Professor of Pharmacology, effective September 1, 1958.
- (b) Dr. Kenneth H. Stahl was appointed Assistant Professor of Pharmaceutical Chemistry, effective September 1, 1958.

### IV. SEPARATIONS FROM STAFF.

- (a) Dr. Raymond N. Castle, Professor of Pharmaceutical Chemistry, was transferred to the Department of Chemistry of the College of Arts and Sciences, effective July 1, 1958.

## V. PUBLICATIONS.

BAKER, GEORGE L. "A Thought on Prescription Pricing",  
El Boticario, 5, No. 12, (December 1958), 30-1.

CATALINE, ELMON L. "Random Thoughts on a Midsummer Day",  
El Boticario, 5, No. 7, (August 1958), 7.

CATALINE, ELMON L. "Editorially Speaking",  
El Boticario, 5, No. 12, (December 1958), 7.

CATALINE, ELMON L. "Whatever the Reason",  
El Boticario, 6, No. 3, (March 1959), 7.

MALONE, MARVIN H. "Effect of Various Pharmaceutical Vehicles  
on the Action of Orally Administered Phenobarbital",  
Federation Proceedings, 18, (1959), 418.

## VI. COMPLETED RESEARCH PROJECTS.

FIEDLER, WILLIAM C.

- (a) "A Study of Deionization Units as Sources of  
Bacterial Contamination", (in press).
- (b) "Tablet Disintegration by Ion Exchange", (in press).
- (c) "Flavor-Masking a New Syrup", (in press).

## VII. OUTSIDE - SPONSORED RESEARCH.

None

## VIII. OTHER PROFESSIONAL ACTIVITIES.

BAKER, GEORGE L.

- (a) Spoke before the following District Meetings of the  
New Mexico Pharmaceutical Association: Taos, October  
21, 1958; Las Vegas, October 30, 1958; Ruidoso,  
November 8, 1958; Belen, November 19, 1958; Hobbs,  
November 25, 1958.
- (b) Attended annual convention of the New Mexico  
Pharmaceutical Association, Albuquerque, April 13-15, 1959.

CATALINE, ELMON L.

- (a) Judge, Albuquerque High School Science Fair, April 3, 1959.
- (b) Official Judge, New Mexico State Science Fair, April 11, 1959.
- (c) Member of faculty for Medical Office Assistants Training  
Course, U.N.M. Extension Division, March 30, 1959.
- (d) Attended following meetings of New Mexico Pharmaceutical  
Association: Grants, October 16, 1958; Taos, October 21,  
1958; Belen, November 19, 1958; Mid-Year Meeting, Las  
Cruces, January 13, 1959; Annual convention, Albuquerque,  
April, 13-15, 1959.

FIEDLER, WILLIAM C.

- (a) Conducted student inspection trip to Abbott Laboratories and the Upjohn Company, October 12-19, 1958.
- (b) Attended annual convention, New Mexico Pharmaceutical Association, Albuquerque, April 13-15, 1959.

MALONE, MARVIN H.

- (a) Attended meeting of Northeast District of the New Mexico Pharmaceutical Association, Las Vegas, October 30, 1958.
- (b) Presented a paper before the Spring Meeting of the American Society for Pharmacology and Experimental Therapeutics, Atlantic City, N.J., April 1959.
- (c) Exhibited: 12th. Exhibition of Prints and Drawings, Santa Fe, December, 1958.

STAHL, KENNETH H.

- (a) Attended meeting of American Chemical Society, Boston, Mass., April 5-10, 1959.
- (b) Attended annual convention of the New Mexico Pharmaceutical Association, Albuquerque, April 13-15, 1959.

#### IX. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

CATALINE, ELMON L.

- (a) New Mexico Pharmaceutical Association.  
Chairman, Convention Program Committee.  
Chairman, Publications Committee.  
Parliamentarian.  
Member, Committee on Constitution and By-Laws.
- (b) Rocky Mountain Drug Conference.  
Secretary-Treasurer, 1959-
- (c) District VIII, American Association of Colleges of Pharmacy and National Association of Boards of Pharmacy.  
Participated in panel discussion: "What are We Doing in this District to Obtain and Hold Students.",  
Las Vegas, Nevada, October 13, 1958.
- (d) Phi Kappa Phi, University of New Mexico Chapter.  
President, 1958-59, 1959-60.

MALONE, MARVIN H.

- (a) American Pharmaceutical Association Faculty Adviser and Treasurer, University of New Mexico Student Branch.

#### X. IMPORTANT STUDY AND TRAVEL.

None

## XI. GIFTS.

- (a) Oliver Typewriter, ca. 1909. Herman Moncus, Tucumcari.
- (b) Old pharmaceutical bottles. Stan Wernick, Alamogordo.
- (c) \$300.00 for Pharmacy Activities Fund. Southwestern Drug Co., Dallas.
- (d) \$200.00 for Pharmacy Activities Fund. Davis Bros. Inc., Albuquerque.
- (e) \$403.85 for Pharmacy Scholarship Fund. Central District, New Mexico Pharmaceutical Association.
- (f) Time marking clock (value \$60.00). Women's Auxiliary of the New Mexico Allied Drug Travelers Association.
- (g) Film Strip, "From Test Tubes to Tablets.", Ciba Pharmaceutical Products Inc.
- (h) Film Strip, "Your Customers are Talking About You.", National Wholesale Druggists Association.

March 5, 1959

To: Curricula Committee

From: Elmon L. Cataline, Dean, College of Pharmacy

Subject: Proposal for a Five-Year Program in Pharmacy

It is proposed that a five-year program in Pharmacy be instituted, effective April 1, 1960.

## I. Degree Requirements

(The proposed program is set forth on page 2 of this memorandum.)

A. Total hours required for graduation: 160 hours.

1. Specific required courses: 127 hours. (See page 2)

2. Electives: 33 hours.

Of the 33 elective hours, the student may not elect more than a total of 18 hours of course work in the professional and/or basic science areas; he must elect at least 15 hours in any combination of courses offered in the Colleges of Arts and Sciences, Business Administration, Education, Engineering, Fine Arts, and Nursing, or in Naval Science or Air Science.

The purpose of this regulation is to make it possible for the student to broaden his education by electing courses in the social sciences, humanities, fine arts, etc.

B. Physical Education: 4 hours.

II. Degree granted: Bachelor of Science in Pharmacy.

III. Comparison of the four-year and five-year programs.

| <u>Area of Instruction</u>            | <u>Four-year</u> | <u>Five-year</u> |
|---------------------------------------|------------------|------------------|
| 1. Pharmacy . . . . .                 | 25 (18.7%)       | 29 (18.1%)       |
| 2. Pharmaceutical Chemistry . . . . . | 12 (9.0%)        | 9 (5.6%)         |
| 3. Pharmacognosy . . . . .            | 4 (3.0%)         | 4 (2.5%)         |
| 4. Pharmacology . . . . .             | 9 (6.7%)         | 12 (7.5%)        |
| 5. Pharmacy Administration . . . . .  | 10 (7.5%)        | 11 (6.9%)        |
| 6. Chemistry . . . . .                | 24 (17.9%)       | 24 (15.0%)       |
| 7. Physics . . . . .                  | 8 (6.0%)         | 8 (5.0%)         |
| 8. Biology . . . . .                  | 16 (12.0%)       | 16 (10.0%)       |
| 9. Mathematics . . . . .              | 5 (3.7%)         | 5 (3.1%)         |
| 10. English . . . . .                 | 6 (4.5%)         | 6 (3.8%)         |
| 11. Speech . . . . .                  | 3 (2.2%)         | 3 (1.9%)         |
| 12. Electives . . . . .               | 12 (9.0%)        | 33 (20.6%)       |
| Totals                                | 134              | 160 (+16.25%)    |

University of New Mexico  
COLLEGE OF PHARMACY  
PROPOSED 5-YEAR PROGRAM

Pre-Pharmacy

I

|                         |           |
|-------------------------|-----------|
| English 1 Writing with  |           |
| Rdgs in Expos           | 3         |
| Chem 1L General         | 4         |
| Biol 1L General         | 4         |
| Math 15 College Algebra | 3         |
| Elective                | 3         |
| Physical Education      | 1         |
|                         | <u>18</u> |

II

|                        |           |
|------------------------|-----------|
| English 2 Writing with |           |
| Rdgs in Lit            | 3         |
| Chem 2L General        | 4         |
| Biol 2L General        | 4         |
| Math 16 Plane Trig     | 2         |
| Elective               | 3         |
| Physical Education     | 1         |
|                        | <u>17</u> |

First Professional Year

|                       |           |
|-----------------------|-----------|
| Phm 41 Orientation I  | 1         |
| Chem 101 Organic      | 3         |
| Chem 103L Organic Lab | 1         |
| Physics 11L General   | 4         |
| Biol 93L Bacteriology | 4         |
| Elective              | 3         |
| Physical Education    | 1         |
|                       | <u>17</u> |

|                       |           |
|-----------------------|-----------|
| Phm 42 Orientation II | 1         |
| Chem 102 Organic      | 3         |
| Chem 104L Organic Lab | 1         |
| Physics 12L General   | 4         |
| Econ 51 Intro         | 3         |
| Elective              | 3         |
| Physical Education    | 1         |
|                       | <u>16</u> |

Second Professional Year

|                     |           |
|---------------------|-----------|
| Phm 141L Intro      | 5         |
| Chem 53L Quant Anal | 4         |
| Phmcol 191 Biol Med | 3         |
| Elective            | 4         |
|                     | <u>16</u> |

|                        |           |
|------------------------|-----------|
| Phmcog 72L General     | 4         |
| Biol 123L Biochemistry | 4         |
| Biol 102L Physiology   | 4         |
| Speech 55 Spch for     |           |
| Bus and Prof           | 3         |
| Elective               | 2         |
|                        | <u>17</u> |

Third Professional Year

|                          |           |
|--------------------------|-----------|
| Phm 153L Operative Phm I | 5         |
| Bus Ad 5L Prin of Acctg  | 3         |
| Phmcol 195L Phmcol I     | 4         |
| Elective                 | 3         |
|                          | <u>15</u> |

|                            |           |
|----------------------------|-----------|
| Phm 154L Operative Phm II  | 5         |
| Phm 122 Pharmaceutical Law | 3         |
| Phmcol 196L Phmcol II      | 5         |
| Elective                   | 3         |
|                            | <u>16</u> |

Fourth Professional Year

|                         |           |
|-------------------------|-----------|
| Phm Chem 163L           |           |
| Med Chem I              | 5         |
| Phm 181L Dispensing I   | 5         |
| Phm 121 Phm Management  | 2         |
| Phm 193 Inspection Trip | 0         |
| Elective                | 3         |
|                         | <u>15</u> |

|                          |           |
|--------------------------|-----------|
| Phm Chem 164L            |           |
| Med Chem II              | 4         |
| Phm 182L Dispensing II   | 5         |
| Phm 161 Hist of Pharmacy | 2         |
| Elective                 | 6         |
|                          | <u>17</u> |



- A. The increase in total hours required for graduation is 26 hours or approximately 16%.

In the four-year program there are 60 hours of required professional work. These make up 44.8% of the total of 134. In the five-year program, 65 hours of professional work will be required. These represent 40.6% of the 160 to be required for graduation.

Required courses in chemistry, physics, biology, and mathematics currently make up 39.5% (53 hours) of the total required. In the five-year program, courses in these areas will make up 33.1% (53 hours) of the 160 hours to be required.

Thus, while the total number of hours required in the professional and basic science areas will increase, the required work in these areas will constitute a smaller percentage of the total hours required for graduation.

On the other hand, the total number of hours that the student may devote to courses outside these two areas, will increase considerably. Under the five-year program the student will be required to elect a larger number of hours (at least 15) from courses outside the professional and basic science areas than the total number of hours of free electives in the present four-year program.

#### IV. General considerations.

- A. The objectives of the undergraduate program for the education and professional preparation of pharmacists may be summarized as follows:
1. Selecting, screening, and graduating those students possessing the technical abilities, personal character, and social outlook required for the practice of the profession of pharmacy.
  2. Grounding students in the principles and practices of organizing and administering a pharmacy.
  3. Making students fully conscious of the ethical standards to be met by the pharmacist.
  4. Qualifying students to cooperate with members of the other health professions and to consult with them; to furnish accurate, objective, and scientific information to physicians and members of the other health professions concerning drugs and their actions.
  5. Preparing students to provide professional services to the public appropriate to the basic functions of pharmacy in its role as a health profession.
  6. Equipping and stimulating students to contribute to the profession by participating in its various organizational, literary, teaching, research, and other activities.
  7. Preparing students to assume the responsibilities of citizens

befitting professionals.

8. Enriching the life of the students through greater understanding and appreciation of the culture, values, and problems of our civilization.

While the four-year program has, since 1932, served a useful purpose in the development of pharmaceutical education, it has generally not allowed the inclusion of a sufficient number of courses in humanities, social sciences, and fine arts to satisfy the above objectives. Possibly neither the five-year program nor a program of any reasonable length will ever make this completely possible. However, the five-year program, as proposed here, will provide a far greater opportunity for the election of courses in these areas.

- B. Under the proposed five-year program, the student will not begin his study of pharmacy (except for the orientation courses) until he has completed two years of work in the basic sciences. This will make possible the upgrading of the professional courses.
- C. Increased motivation for the profession and increased maturity should be apparent when the five-year program is in operation. These will be important in assuring ever better service to the public.
- D. After April 1, 1960, all students who begin the study of pharmacy in any accredited college of pharmacy in the United States will be required to complete a five-year program in order to be granted the degree. Agreement among the colleges on this rule was reached at the 1954 meeting of the American Association of Colleges of Pharmacy. The University of New Mexico College of Pharmacy, as a member of the Association, voted for the extended program.

Virtually all of the national pharmaceutical associations have approved the extension of the program to five years. In addition, the New Mexico Pharmaceutical Association, at its 1957 convention, unanimously adopted the following resolution:

"Resolution No. Twelve.

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 the 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."

E. The American Council on Pharmaceutical Education, the national accrediting agency for colleges of pharmacy, has decided that only those colleges of pharmacy that require a five-year program will be considered for accreditation after April 1, 1960.

## A REPORT OF THE UNIVERSITY COLLEGE

July 1, 1958-June 30, 1959

William H. Huber, Director

The University College completed its second year of operation on June 30, 1959. As was true in the past, the operations of the college have been aimed at achieving the objectives set out in the Tidal Wave Report.

Enrollment

The Semester I enrollment for the 1958-59 academic year was 2,243 students. This represents an increase in the University College enrollment of 446 students over the comparable figure for Semester I, 1957-58 or a 24.82% increase. In addition there were eleven extension students who were not resident on campus.

The freshman class was up 150 students or 12.86% over the 1957-58 freshman class and the old student classification was up 328 students or 71.15% over the 1957-58 old student classification, while transfer students fell by 32 or 18.50%.

Staff

There were no changes in full-time staff this year. The staff consists of a Director and two full-time employees--a secretary and a supervisor of records.

The college uses the part-time services of three special counselors. Each is committed to approximately ten hours per week to the University College.

The increase in work load caused by the increase in enrollment was absorbed by existing staff and an increase in the use of part-time student help. If enrollment continues to increase there is little doubt that an additional full-time office employee will be necessary in the near future.

#### Building Facilities

The offices of the University College are still located in the Stadium Building. Both the location on the campus and the amount of space are ideal. However, the main office has no natural light or air, which creates a serious problem, especially for the office staff during mid-summer and mid-winter.

#### Advisement

The single most important function of the University College is the orientation and advisement of lower division students. This function is performed by several divisions of the University in addition to the University College. Close cooperation has been received from all of these divisions by the University College. The Division of Student Affairs, more specifically the Office of Counseling and Testing and the Personnel Deans have been most helpful in providing information, analysis, etc. to be incorporated in the advisement materials which are the basis of counseling by the academic advisers of the University College.

This year the faculty advisers numbered 98 as compared with 82 during our first year. The average number of advisees per adviser was approximately twenty-three students. This load is somewhat larger than is desirable; however, little can be done to lower it.

### Special Advisers

During this past year several innovations in the advisement system have been put into effect or have been planned for the coming school year. During the 1957-58 school year the special advisers were used only for referral cases from the regular faculty advisers. Little use was made of the available services. The University College became concerned over the number of students with high aptitudes that were suspended from the University College. Therefore, this past year all students who were not earning a "C" average in their course work at the eight-weeks and whose aptitude placed them in the upper 50 percentiles were required to see a special adviser who devoted a half hour to an hour to each in an attempt to learn the reasons for these more capable students' failures. Much data has been gathered and is in the process of being analyzed by the advisers. Mortality figures of this group showed a slight decrease this year over that of last year, indicating that the interviews resulted in some positive and immediate good to the students. This device will be continued this year. The total number of students so interviewed numbered in excess of 225.

### Registration

Because of the importance of the advisement interview, it was desired that all advisement take place in the advisers' offices. It was also desired that the duplication of effort that so often took place between pre-registration advisement and advisement proper during registration be eliminated. Because of this, the Board of Deans of the University College undertook a prolonged study of the registration and pre-registration advisement procedures with a view to solving the above two problems.

With the cooperation of the Registrar, Mr. J. C. MacGregor, and the University Faculty Registration Committee, a new registration procedure was developed and is to be used for the first time this fall. This system features de-centralized advisement and registration so far as counseling and planning of the students' program of studies are concerned.

#### Handbook

Another feature to aid in orientation and guidance of students is the University College Orientation and Information Handbook first published during this past year. This small sixteen page booklet is placed in the hands of all new students prior to their arrival on the University campus. It contains a complete calendar of events covering freshman week and including registration. It also answers a considerable number of questions most often raised, such as the purposes of the University College, requirements for good academic standing in the college, computation of scholarship indices, requirements for admission to degree granting colleges, etc. as well as an entire directory of University College advisers and their offices. The reception by the students of this booklet was enthusiastic and the uses to which it was put were sufficient to warrant continuing the publication this year. This booklet is an example of the cooperation indicated above by the Personnel deans' offices with the University College.

#### Board of Deans

The Board of Deans of the University College is the policy making board. This board holds regular meetings during the school year, averaging approximately one per month. In addition to certain routine matters, the Board of Deans,

under the chairmanship of Vernon G. Sorrell, concerned itself with two major propositions during the past year. The first of these was the examination and change in the registration procedure for the University previously mentioned. The second was an examination of the requirement that all students pass an English proficiency examination in order to obtain a degree or admission to a degree college from the University College.

Various studies were made of this requirement and the final action of a majority of the Board of Deans was to recommend the establishment of a new course in remedial English. This course is to be instituted for the first time in the 1959-60 school year. It will be a non-credit course emphasizing English grammar, diction and mechanics, with some reading comprehension, to assist those students who are deficient in these areas to overcome these deficiencies, enabling them to satisfactorily meet this English proficiency requirement and to do better work in their other courses. This action was taken pursuant to the objectives of the University College set out in the Tidal Wave Report, more specifically the function of determining what kinds of courses are most needed in order to prepare students better for the degree granting colleges.

#### Transfer and Attrition of University College Enrollment

The following tabulations show the number and percentage of University College enrollment who transferred to degree granting colleges or were lost to the University. The first tabulation shows the experience of the first enrollment in the University College; namely, the enrollment for Semester I, 1957-58. This tabulation traces this original group through four full semesters and one



summer session. The second tabulation includes all students who have enrolled in the University College at any time during its two academic years of existence.

Obviously the more significant of the two is the tabulation of the 1957-58 fall enrollment, because eligibility in the University College is limited to between four and five semesters and, therefore, this tabulation covers nearly one full cycle for a single group of students.

1957-58 Fall  
Enrollment

Total University College  
Enrollment through  
Spring 1958-59

|   |            |       |                   |
|---|------------|-------|-------------------|
| Total enrollment . . . . .                    | 1797       |       | 3981              |
| Transfer to degree colleges to date . . . . . | <u>588</u> | 32.7% | <u>780</u> 19.6%  |
|   | 1209       |       | 3201              |
| Ineligible to return . . . . .                | 58         | 3.2%  | 69 1.7%           |
| Withdrew from the University . . . . .        | 183        | 10.2% | 398 10.0%         |
| Failed to return after one or more semesters  | 417        | 23.2% | 762 19.1%         |
| Suspended for poor scholarship . . . . .      | 336        | 18.7% | 639 16.1%         |
| Total attrition . . . . .                     | <u>994</u> | 55.3% | <u>1868</u> 46.9% |
| Eligible to return Fall, 1959-60 . . . . .    | 215        | 12.0% | 1333 33.5%        |

Our experience to date indicates approximately one in three students earns his way into a degree granting college. More than 50% of a given enrollment drops out for one of several reasons during their first two years of college work. Approximately one in five students is suspended for poor scholarship during his lower division college work. A determination, either by transfer to a degree granting college or by drop out, has taken place for all but 12% of the enrollment by the end of four full academic semesters.

The 780 students transferred to degree granting colleges to date have been distributed as follows:

|                         |           |        |
|-------------------------|-----------|--------|
| Arts & Sciences         | 312       | 40.00% |
| Business Administration | 63        | 8.08%  |
| Education               | 121       | 15.51% |
| Engineering             | 183       | 23.46% |
| Fine Arts               | 74        | 9.49%  |
| Nursing                 | 14        | 1.79%  |
| Pharmacy                | <u>13</u> | 1.67%  |
| Total                   | 780       |        |

#### Observations

The primary function of the University College has been the establishment of an intensive advisement program. The framework of such a program has been established; however, a satisfactory implementation thereof has not as yet been achieved. Because of the many years during which most advisement was of a mechanical nature, consisting mostly of programming courses in order to meet curricula requirements, the change over to a system where emphasis is placed on individual counseling of the student, on the basis of his particular

aptitudes and achievements, has been more difficult to adjust to than was originally anticipated. More work in the form of informal in-training for advisers on the use of test data as well as academic records is essential. However, even with the advisement system in its present state of imperfection, it is believed that considerable headway has been made toward the objectives which were sought through the University College device.

Studies of the University College indicate that only the most capable students, by and large, have been certified into the degree granting colleges. Many students who previously were lost because of an error in choice of degree objective have been salvaged from their original mistake and have been guided into degree colleges where they are most likely to succeed. A large number of students who failed to do "C" average work their first year--the previous minimum--have, by virtue of a second chance through the University College, adjusted sufficiently to not only do a "C" average minimum in their second year, but to actually do so well that they were able to overcome their first year's deficit and achieve a cumulative "C" average prior to transfer to the degree college. This can be most graphically illustrated by the fact that of the 780 students transferring to degree colleges 700 of them, or 89.74%, had a cumulative 1.0 or better scholarship index. Only 55, or 7%, had less than a cumulative 1.0. Many of the 700 did not transfer until the end of their third or fourth semester and had less than the "C" average at the end of their first semester or first year of college work. The remaining 25 students transferred were on probation in the University College and had not earned their way into a degree college, but were transferred to a degree college at

the request of the degree college dean. It is our belief that the University College is thus providing degree colleges with a more select group of students who have proved both their interest in, and capacity to do, that degree college's work.

It is further believed that the University College is providing these services to the degree colleges along with much previously unobtainable information at a per student cost considerably below that which was anticipated when the college was established.

The reaction of the students themselves to the University College experience has, on the whole, been most cooperative and enthusiastic.

The attrition rate, especially of the more capable students, though it has fallen during the second year somewhat over that of the first, is still much too high. The waste of capable students is rather appalling. Our observation to this time is that lack of basic study skills is the most frequent explanation for such students' failures and inability to set up sound study habits and stick with them and an inability to properly read, outline, take proper lecture notes, etc. seriously jeopardizes these students' chances for success. The staff of the University College has been exploring various possibilities in an attempt to assist interested freshmen to acquire these skills early in their college experience. This same problem is being examined and various approaches to it are being planned by the counselors in the dormitories on the campus.

It is still too early to state with any degree of accuracy the overall results of the University College operation. Plans exist to follow the records of those students transferred to degree colleges from the University College

and to ascertain the percentage of success of these students in obtaining satisfactory grade point indices and graduation from the degree granting colleges. This will indicate with much more accuracy the performance of the University College.

## ANNUAL REPORT

## DIVISION OF EXTENSION, SUMMER SESSION, AND COMMUNITY SERVICES

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## ANNUAL REPORT

## DIVISION OF EXTENSION, SUMMER SESSION, AND COMMUNITY SERVICES

July 1, 1958 - June 30, 1959

Harold O. Ried, Director

The Division of Extension, Summer Session, and Community Services has had a prosperous year in terms of workload and improved services to Albuquerque as a community and the State of New Mexico as a whole. This statement is borne out by this report of the academic year 1958-1959. Most of the areas of the Division increased in volume and we hope in quality of service preformed.

During the year, there were two changes on the administrative staff; namely, Orville G. Eastman replaced Robert G. Lalicker as an Assistant Director of the Division on October 20, 1958, and John F. Widergren joined our staff as an Assistant Director on July 1, 1958. Therefore, on June 30, 1959, the administrative staff was made up as follows:

|                    |   |
|--------------------|---|
| H. O. Ried         | - Director  |
| M. H. McMichael    | - Assistant Director  |
| Orville G. Eastman | - Assistant Director  |
| John F. Widergren  | - Assistant Director  |
| Bernarr Cooper     | - Director of Educational Radio<br>and Television Programming |

As far as the staff is concerned, Helen McKenzie replaced Lois Bruch as Correspondence Registrar on November 3, 1958. Norma Moss took over as Summer Session Secretary on July 1, 1958, and Jo Ann Fleharty stayed on the staff but changed her status by becoming the Division's secretary to replace Betty Baldwin who had moved from Albuquerque.



The following faculty members served on the faculty committee for the Division of Extension, Summer Session, and Community Services: Dr. H. G. Alexander, Dr. Wayne Eubank, J. C. MacGregor, Virginia Reva, William E. Rhodes, Dr. William B. Runge, Jack J. Taylor, Sabine R. Ulibarri, and Dr. Harold O. Ried, as chairman.

The ex-officio members of the faculty committee were Dr. M. H. McMichael, Orville G. Eastman, and John Perovich.

With this report, the practice of including a section on each major area supervised by the Division is continued.

## OFF-CAMPUS INSTRUCTION

I. Extension Classes

Regular credit courses are carried on by extension anywhere in the state where sufficient demand warrants their establishment. The budgeted finances for this type of instruction is also a factor in the establishment of these classes. The following classes were held off-campus during the reporting period. (Television courses are not included, since they are covered in the TV section).

## A. Semester I, 1958-59

| <u>Location</u> | <u>Course</u>      | <u>Instructor</u> | <u>Final Enrollment</u> |
|-----------------|--------------------|-------------------|-------------------------|
| Los Alamos      | Chem. 11           | Castle            | 30                      |
|                 | Chem. 13L          | McBane            | 27                      |
|                 | Chem. 111          | Kahn              | 12                      |
|                 | Chem. 131          | Penneman          | 11                      |
|                 | Chem. 211          | Crosby            | 7                       |
|                 | C.E. 1-L           | Clarke            | 9                       |
|                 | E.E. 203           | Demuth            | 9                       |
|                 | M.E. 201           | Sibbitt           | 23                      |
|                 | Engr. 213L         | Zabel             | 18                      |
|                 | Engr. 216          | York              | 17                      |
|                 | Math. 16           | Scheer            | 15                      |
|                 | Math. 51           | Carr              | 18                      |
|                 | Math. 141          | Wendroff          | 7                       |
|                 | Math. 147          | Devaney           | 30                      |
|                 | Math. 182          | White             | 23                      |
|                 | Math. 191          | Kolodner          | 16                      |
|                 | Math. 271          | Wylor             | 6                       |
|                 | Phys. 61           | Shreffler         | 10                      |
|                 | Phys. 63L          | Meaders           | 8                       |
|                 | Phys. 102          | Thomas            | 8                       |
|                 | Phys. 191          | Katsenstein       | 8                       |
|                 | Phys. 199          | Jarmie            | 16                      |
|                 | Phys. 221          | Thomas            | 21                      |
|                 | Phys. 299-A        | McHale            | 11                      |
|                 | Phys. 299-B        | Thaler            | 10                      |
|                 | E.E. 300           | Zabel             | 1                       |
|                 | Math. 300          | Zeigler           | 1                       |
|                 | Phys. 400          | Schardt           | 1                       |
|                 | French XA *        | Harland           | 15                      |
|                 | Russian XA *       | Carnicek          | 11                      |
|                 | Tech. Writing *    | Crowell           | 13                      |
|                 | M.E. 300           | Dove              | 1                       |
|                 | Tool Design *      | Kazek             | 18                      |
|                 | Basic Metallurgy * | Doll              | 30                      |

\*Non-Credit Courses

## Semester I, 1958-59 - continued

| <u>Location</u>                        | <u>Course</u> | <u>Instructor</u> | <u>Final Enrollment</u> |
|--|---------------|-------------------|-------------------------|
| Holloman AFB                           | E.E.*         | Koschmann         | 12                      |
|  | E.E. 223      | Koschmann         | 5                       |
|  | M.E. 201      | Millsaps          | 13                      |
|  | Math. 147     | Poote             | 41                      |
|  | Physics 103   | Leavitt           | 12                      |
|  | Physics 191   | Skabelund         | 12                      |
|  | Russian*      | Huzarski          | 24                      |
| Gallup                                 | Education 122 | Zintz             | 12                      |
|  | B.A. 5L       | Cummins           | 10                      |
|  | B.A. 11       | Linville          | 11                      |
|  | B.A. 13       | Pope              | 8                       |
| Santa Fe                               | Education 216 | Jamison           | 18                      |
| Grants                                 | Education 216 | Lampman           | 17                      |
| Belen                                  | Education 112 | Timmerman         | 23                      |
| Roswell                                | Art 112       | Gebhard           | 5                       |
|  | Art 6         | Nickson           | 6                       |
| Total Enrollment - Semester I, 1958-59 |               |                   | 690                     |

\* Non-Credit Courses

## B. Semester II, 1958-59

| <u>Location</u> | <u>Course</u>       | <u>Instructor</u> | <u>Final Enrollment</u> |
|-----------------|---------------------|-------------------|-------------------------|
| Los Alamos      | Chem. 12            | Castle            | 15                      |
|                 | Chem. 14L           | Eatherly          | 15                      |
|                 | Chem. 112           | Kahn              | 10                      |
|                 | Chem. 211           | Grosby            | 7                       |
|                 | Chem. 232           | Penneman          | 16                      |
|                 | C. E. 2L            | Clarke            | 7                       |
|                 | E. E. 188           | Möhler            | 14                      |
|                 | E. E. 214           | Koschmann         | 7                       |
|                 | M. E. 204           | Dove              | 11                      |
|                 | M. E. 206           | Stoevers          | 11                      |
|                 | Engr. 214L          | Zabel             | 12                      |
|                 | Engr. 215           | Hansen            | 7                       |
|                 | Engr. 217           | Busey             | 11                      |
|                 | Math. 52            | Garr              | 15                      |
|                 | Math. 109           | Lewis             | 16                      |
|                 | Math. 142           | Wendroff          | 5                       |
|                 | Math. 148           | Devaney           | 21                      |
|                 | Math. 192           | Kolodner          | 4                       |
|                 | Math. 272           | Wyler             | 8                       |
|                 | Math. 283           | Peterson          | 10                      |
|                 | Math. 284           | Mayer-Kalkschmidt | 10                      |
|                 | Phys. 62            | Shreffler         | 7                       |
|                 | Phys. 64L           | Meaders           | 6                       |
|                 | Phys. 192           | Katzenstein       | 6                       |
|                 | Phys. 206           | Skabelund         | 9                       |
|                 | Phys. 222           | Thomas            | 16                      |
|                 | Phys. 299A          | McHale            | 6                       |
|                 | Phys. 299B          | Venable           | 10                      |
|                 | E. E. 300           | Zabel             | 1                       |
|                 | M. E. 300           | Dove              | 1                       |
|                 | Phys. 300           | Leavitt           | 1                       |
|                 | Math. 300           | Dove              | 1                       |
|                 | Phys. 400           | Scharadt          | 1                       |
|                 | Russian XB *        | Cernicek          | 7                       |
|                 | French XB *         | Gourier           | 10                      |
|                 | Basic Electronics * | Meyer             | 30                      |
|                 | Basic Metallurgy *  | Doll              | 10                      |
|                 | Tool Design *       | Kazek             | 14                      |
| Holloman AFB    | Mathematics 284     |                   | 17                      |
|                 | Mathematics 148     |                   | 13                      |
|                 | Physics 104         |                   | 5                       |
|                 | E. E. 192           |                   | 10                      |
|                 | Russian*            |                   | 9                       |

\* Non-Credit Courses

| <u>Location</u>                         | <u>Course</u> | <u>Instructor</u> | <u>Final Enrollment</u> |
|---|---------------|-------------------|-------------------------|
| Gallup                                  | B. A. 5L      | Cummins           | 13                      |
|   | B. A. 12      | Linville          | 8                       |
|   | B. A. 14      | Pope              | 10                      |
|   | Pysc. 51      | Aarni             | 12                      |
| Santa Fe                                | P. E. 185     | Allanson          | 16                      |
|   | Art 129a      | McPharlin         | 15                      |
| Socorro                                 | Education 115 | Walker            | 17                      |
| Jemez Springs                           | Education 115 | Ivins             | 14                      |
| Mountainair                             | Education 115 | Keppers           | 17                      |
| Grants                                  | Education 115 | Lampman           | 17                      |
| Farmington                              | Music 140     | Batcheller        | 34                      |
| Beien                                   | Education 242 | Timmerman         | 20                      |
| Total Enrollment - Semester II, 1958-59 |               |                   | 615                     |

The preceding charts show that 690 students enrolled in 50 offerings during Semester I, and 615 students enrolled in 56 courses during Semester II, 1958-59, for a grand total of 1305 registrations in 106 courses during the reporting period. This compares with 1641 students in 126 courses during 1957-58. The decrease in total registrations for this year can be explained in part by the fact that the undergraduate program at Holloman Air Force Base was dropped between the last reporting period and the commencement of the period of time covered in this report. If the University had maintained the Holloman undergraduate program at the same level as the last reporting period, no significant variation would be apparent.

As noted from the statistics, 84 students were registered in the Gallup Community College which is supervised by the Division. Dr. James Porterfield remained Director of the College. As an observation, most of the enrollees were interested in business courses.

It is significant that during the year we organized 10 extension classes in education through the state which enrolled 189 teachers. This compares with only 6 classes the previous year with only 107 teachers registered.

## II. Correspondence Courses

Correspondence instruction is offered to any qualified person, any place in the world, who wishes to earn university credit, but cannot attend organized classes.

The following chart shows the extent of activity in the correspondence area of the Division:

### COMPARISON OF CORRESPONDENCE COURSE STATISTICS FOR LAST

#### FIVE YEARS

| Year    | No. of<br>Courses<br>Offered | NEW<br>E N R O L L M E N T S |       |       |                  | Total<br>States<br>Represented | Total N.M.<br>Counties<br>Represented | Foreign<br>Countries<br>Represented |
|---------|------------------------------|------------------------------|-------|-------|------------------|--------------------------------|---------------------------------------|-------------------------------------|
|         |                              | Men                          | Women | Total | % of<br>Increase |                                |                                       |                                     |
| 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   | 12               | 27                             | 26                                    | 4                                   |
| 1957-58 | 79                           | 202                          | 282   | 484   | 11               | 21                             | 28                                    | 1                                   |
| 1958-59 | 75                           | 356                          | 195   | 551   | 14               | 32                             | 24                                    | 2                                   |

The number of students actively working on courses during 1958-59 was 588 men, 328 women, making a total of 916. This compares with 840 actively working on courses during 1957-58.

The following geographical distribution chart shows correspondence students from 32 states and two foreign countries. Twenty-four of New Mexico's 32 counties are represented.

## GEOGRAPHICAL DISTRIBUTION OF CORRESPONDENCE REGISTRATIONS

| <u>States</u>  |    | <u>Foreign Country</u> |   | <u>New Mexico Counties</u> |     |
|----------------|----|------------------------|---|----------------------------|-----|
| Arizona        | 7  | El Salvador            | 1 | Bernalillo                 | 271 |
| Arkansas       | 1  | Guam                   | 1 | Chaves                     | 22  |
| California     | 15 |                        |   | Colfax                     | 4   |
| Colorado       | 5  |                        |   | Curry                      | 7   |
| Connecticut    | 1  | Total:                 | 2 | De Baca                    | 2   |
| Florida        | 3  |                        |   | Dona Ana                   | 10  |
| Idaho          | 2  |                        |   | Eddy                       | 4   |
| Illinois       | 4  |                        |   | Grant                      | 2   |
| Indiana        | 1  |                        |   | Harding                    | 3   |
| Iowa           | 4  |                        |   | Hidalgo                    | 1   |
| Kansas         | 5  |                        |   | Lea                        | 8   |
| Kentucky       | 1  |                        |   | Lincoln                    | 1   |
| Louisiana      | 1  |                        |   | Los Alamos                 | 16  |
| Maine          | 1  |                        |   | Luna                       | 2   |
| Maryland       | 1  |                        |   | McKinley                   | 25  |
| Massachusetts  | 3  |                        |   | Otero                      | 13  |
| Michigan       | 2  |                        |   | Quay                       | 1   |
| Missouri       | 1  |                        |   | Rio Arriba                 | 5   |
| Nebraska       | 2  |                        |   | Sandoval                   | 1   |
| Nevada         | 2  |                        |   | San Juan                   | 18  |
| New Hampshire  | 1  |                        |   | Santa Fe                   | 22  |
| New York       | 5  |                        |   | Socorro                    | 5   |
| North Carolina | 2  |                        |   | Taos                       | 2   |
| Ohio           | 2  |                        |   | Valencia                   | 9   |
| Oklahoma       | 2  |                        |   |                            |     |
| Oregon         | 1  |                        |   |                            |     |
| Pennsylvania   | 2  |                        |   | Total:                     | 454 |
| Rhode Island   | 1  |                        |   |                            |     |
| Tennessee      | 2  |                        |   |                            |     |
| Texas          | 11 |                        |   |                            |     |
| Virginia       | 3  |                        |   |                            |     |
| Washington     | 1  |                        |   |                            |     |
| Total:         | 95 |                        |   |                            |     |



During 1958-59, the Correspondence Bulletin was revised completely. Each Department Chairman concerned was contacted in the effort to add new courses and delete obsolete ones. The end result was the addition of:

|               |    |             |     |
|---------------|----|-------------|-----|
| Art Education | 18 | Mathematics | 2   |
| German        | 1  | Psychology  | 51  |
| German        | 2  | Psychology  | 110 |

and the deletion of:

|            |     |             |     |
|------------|-----|-------------|-----|
| Economics  | 141 | Government  | 169 |
| Education  | 124 | Mathematics | 14  |
| Education  | 132 | P.E.        | 171 |
| Education  | 164 | P.E.        | 172 |
| Government | 141 | Sociology   | 51  |

Courses revised, partially or completely, were:

|           |     |               |     |
|-----------|-----|---------------|-----|
| Bus. Ad.  | 5   | English       | 64  |
| Bus. Ad.  | 6   | French        | 51  |
| Bus. Ad.  | 65  | French        | 52  |
| Bus. Ad.  | 106 | Government    | 61  |
| Bus. Ad.  | 107 | Government    | 106 |
| Economics | 51  | History       | 1   |
| Economics | 52  | Mathematics   | 1   |
| Education | 101 | Spanish       | 1   |
| Education | 120 | Spanish       | 2   |
| Education | 123 | Spanish       | 73  |
| English   | 53  | Spanish       | 91  |
| English   | 54  | H.S. Geometry |     |

The total number of courses included in the new issue of the Correspondence Bulletin is seventy-five.

In the period covered by this report, 654 credit hours were earned in Correspondence courses. This compares with 598 credit hours earned in 1957-58. We also serviced 11,595 lessons exclusive of tests and examinations. In 1957-58, we serviced only 8,231 lessons. This, of course, makes a considerable increase in workload.

Financially, the Division took in fees in the sum of \$15,537.80 and spent for direct servicing of correspondence courses the sum of \$8,919.42. \$1,800 of this sum was for new courses or revisions for the 1959-60 bulletin. The total of fees taken in for 1957-58 was only \$13,524.43.

During the period covered by this report, the Division suffered the grievous loss of Mrs. Lois Bruch who formerly served as Registrar for the Division. Her death by drowning was a shock to all who knew her. Her position was filled by Mrs. Helen McKenzie as was stated previously.

### III. Television Courses

During Semester I, 1958-59, the University of New Mexico television course programming consisted of four credit courses; namely, English I, Anthropology I, Mathematics 2, and Spanish I.

#### Television Enrollments, Semester I, 1958-59

| <u>Course</u>  | <u>Campus Enrollments</u> | <u>Off-Campus Enrollments</u> |
|----------------|---------------------------|-------------------------------|
| Anthropology 1 | 47                        | 14                            |
| English 1      | 43                        | 7                             |
| Mathematics 2  | 114                       | 10                            |
| Spanish 1      | 50                        | 13                            |
| Total:         | 204                       | 44                            |

Grand Total Semester I ... 248

It should be noted that the above figures were final enrollments. Off-campus classes developed in Santa Fe, Los Alamos, and Gallup during the first semester. Students at Gallup used kinescopes that were shipped to Gallup via Greyhound bus. Because the quality of the kinescope produced was questionable, no kinescopes were made during the second semester. Due to this fact, no kinescopes were available for use in Gallup during Semester II.

Second semester television courses included English 2, Mathematics 15, Spanish 2, and Art 72. During semester II the only off campus location holding TV classes was at Los Alamos. Continental Classroom in Physics,

an NBC production, was also offered for graduate or undergraduate credit. This latter course was telecast by showing the kinescopes of the nationally offered course.

Television Enrollments, Semester II, 1958-59

| <u>Course</u>                       | <u>Campus<br/>Enrollments</u> | <u>Off-Campus<br/>Enrollments</u> |
|-------------------------------------|-------------------------------|-----------------------------------|
| Art 72                              | 15                            | 2                                 |
| English 2                           | 64                            | 5                                 |
| Mathematics 15                      | 61                            | 20                                |
| Spanish 2                           | 14                            |                                   |
| Continental Classroom<br>in Physics | ?                             |                                   |
| <b>Total:</b>                       | <b>156</b>                    | <b>27</b>                         |

Grand Total Semester II ... 183

All television classes during the academic year 1958-59 were under the supervision of monitor teachers who assisted the master television instructors. Three hundred and sixty campus television registrations occurred during this time. Added to this total were 71 off-campus registrations for a grand total of 431.

During semester I, Mrs. Anna Kastning of Gallup and Mr. Roberto Vialpando, Santa Fe were monitor teachers of Spanish 1. Mr. Lloyd Yandell, Gallup, and Mr. William Klingler, Los Alamos, were monitor teachers of Mathematics 2. Mr. J. Robert Jones, Los Alamos, and Mr. David Koch, Gallup, were monitors in Anthropology while Mr. Carroll Crow served as a monitor at Gallup and Mr. Ross L. Baird, Jr. at Los Alamos. Both the latter persons monitored English 1.

Second semester off-campus monitor teachers included: Mr. William Klingler for Mathematics 15, Mrs. Jay Todd for Art 72, and Mr. Robert Watson for English 2. All these individuals monitored classes at Los Alamos.

The primary objections to registering for television courses seemed to be (1) poor reception of the TV signal, and (2) the difficulty of the student to meet with the monitor teacher two or three nights a week to view the telecast.

The first objection concerning reception seems to have been erased by KNME-TV's going on higher power during May, 1959. Reports from off-campus communities indicate good reception as the result of the higher power. These reports have been forthcoming from the following communities: Santa Fe, Los Alamos, Truth or Consequences, Moriarty, Jemez Springs, Socorro, Magdalena, and Carrizozo. Efforts to receive the signal have been made in Grants and Gallup also. One community, Springer, is extremely interested in receiving KNME-TV but has been unable to do so, even with the higher power. Interest has also been shown by persons in Farmington and Tucumcari.

The second objection, namely the necessity to view college courses in a monitored class, will no longer be valid next year. Although the structure of the monitored class will be maintained, the homeviewing audience will be allowed to earn credit without being required to attend class to view the telecast. Some class meetings for home viewers will undoubtedly be necessary.

Finally, a special tribute should be extended to the television master teacher without whose services the telecourse programming would have been impossible. These instructors were: Dr. Edith Buchanan, English 1 and 2; Dr. Frank Hibben, Anthropology 1; Dr. J. Vernon Lewis, Mathematics 2 and 15; Prof. Ruben Cobos, Spanish 1 and 2; and Dr. Bainbridge Bunting, Art 72.

## COMMUNITY COLLEGE

I. Credit Courses

This Division, through the Community College, is concerned with two aspects of credit work. First, all students classified in Non-Degree Status are under the jurisdiction of the Director of this Division. Secondly, the administration, promotion, and supervision of all evening classes are aspects of the Director's responsibilities. All classes scheduled after 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 THE PAST FOUR YEARS

| <u>Year</u> | <u>Semester</u> | <u>Number<br/>of<br/>Students</u> | <u>Percentage of Increase or<br/>Decrease Over Correspond-<br/>ing Periods</u> | <u>Total<br/>for<br/>Year</u> |
|-------------|-----------------|-----------------------------------|--|-------------------------------|
| 1955-56     | 1st             | 552                               | 23% Increase   | 1029                          |
|             | 2nd             | 477                               | 18% Decrease   |                               |
| 1956-57     | 1st             | 735                               | 35% Increase   | 1419                          |
|             | 2nd             | 684                               | 43% Increase   |                               |
| 1957-58     | 1st             | 961                               | 30.7% Increase   | 1864                          |
|             | 2nd             | 903                               | 32% Increase   |                               |
| 1958-59     | 1st             | 801                               | 16.7% Decrease   | 1466                          |
|             | 2nd             | 665                               | 26% Decrease   |                               |

By examining the above chart, it is noticed that during the past year, the Non-Degree enrollment decreased by 398 students which is a percentage decrease of approximately 21% over the previous year.

It should be kept in mind that this Division, thus, had to prepare and maintain personnel folders for 1,466 students. Through these folders, we keep an up-to-date academic record on each students enrolled in Non-Degree status.

Naturally, we have responsibility for the probation and suspension of Non-Degree students who fail to maintain the University's academic standards of a one point (1.0) average. During the past year, 36 Non-Degree students were suspended; 242 students were put on probation; 78 students were continued on probation; and 14 students were released from probation.

In addition to the Non-Degree students who are mainly taking evening courses, there are many other students from the regular colleges of the University that take only evening work. This, of course, adds a considerable number to evening enrollments; and the following chart gives comparative figures for the past several years.

#### COMPARISON OF EVENING CLASS ENROLLMENTS DURING

##### PAST FIVE YEARS

| <u>Year</u> | <u>Semester</u> | <u>Number<br/>of<br/>Students</u> | <u>Percentage of Increase or<br/>Decrease Over Correspond-<br/>ing Periods</u> | <u>Total<br/>for<br/>Year</u> |
|-------------|-----------------|-----------------------------------|--|-------------------------------|
| 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   |                               |
| 1957-58     | 1st             | 1348                              | 17% Increase   | 2438                          |
|             | 2nd             | 1090                              | 3.8% Decrease  |                               |
| 1958-59     | 1st             | 1042                              | 22.8% Decrease   | 1824                          |
|             | 2nd             | 782                               | 28% Decrease   |                               |

By studying the above chart, one notices immediately a considerable decrease in the number of night students during 1958-59. It is almost impossible to determine the causes behind this decrease. It may be we didn't offer enough night courses or perhaps not enough in the right departments. We hope to study the situation with a view of reversing the trend.

During the year, we continued our 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 "C" grades in his courses, and also makes a subsidy payment to the University for each student enrolled. This, of course, is stimulating corporation employees, in increasing numbers, to enroll for credit courses.

It is noteworthy that during the two semesters of last year, 793 students were registered through the Sandia Corporation subsidy program. During the first semester of 1958-59, we had 52 Sandia employees registered in Non-Degree Status; and in the second semester, we had 39 students registered in Non-Degree Status. During the first semester, we had 24 Sandia employees working on Ph.D. degrees, 208 working on Master's degrees, and 153 working on Bachelor's degrees. During the second semester, we had 11 Sandia employees working on Ph.D. degrees, 186 working on Master's degrees, and 120 working on their Bachelor's degrees.

In addition to all regular student tuition, the University was paid approximately \$29,062.50 as a subsidy by Sandia Corporation. This contrasted with the subsidy payment of \$25,641 in the preceding year. This additional revenue should allow the University to offer the specific evening courses which corporation employees need to finish their various degrees. As a matter of fact, with this sort of financial support, the University is able to give not only service, but grant additional course requests from Sandia Corporation. It seems to this writer that the University must realize its community responsibilities and constantly provide an expanded evening program so that increasing enrollments will continue in the evening school.



## II. Non-Credit Courses

Non-credit courses are offered for adults, regardless of their educational backgrounds, who are interested in educational growth in vocational and professional fields, or as a means to better enjoyment of leisure time by becoming proficient in an avocation. The Non-Credit section of the Community College continued its trend to expand during the year as shown in the tables below:

### COMMUNITY EVENING COLLEGE 1958-59

| <u>Semester</u> | <u>No. of Courses</u> | <u>Men Enrolled</u> | <u>Women Enrolled</u> | <u>Income</u> | <u>Instructors Pay</u> | <u>Gross Profit</u> |
|-----------------|-----------------------|---------------------|-----------------------|---------------|------------------------|---------------------|
| I               | 44                    | 675                 | 915                   | \$20,356      | \$11,932               | \$8,404             |
| II              | 42                    | 566                 | 682                   | \$16,480      | \$ 9,520               | \$6,960             |
| <b>Totals:</b>  | 86                    | 1241                | 1597                  | \$36,816      | \$21,452               | \$15,364            |

A comparison of the Non-Credit program for the reporting period and the two previous years is given in the following table:

| <u>Year</u> | <u>Total Enrollment-</u> | <u>Income</u> | <u>Instructor's Pay</u> | <u>Gross Profit</u> |
|-------------|--------------------------|---------------|-------------------------|---------------------|
| 1956-57     | 2127                     | \$26,208      | \$16,385                | \$ 9,823            |
| 1957-58     | 2620                     | \$33,099      | \$22,556                | \$10,543            |
| 1958-59     | 2838                     | \$36,816      | \$21,452                | \$15,364            |

This shows an increase of 218 students, or 7.8% more than last year, and a \$15,364 profit, or 31.5% increase in gross profit to the University over the preceding year.

By general subject areas, the total enrollment in the Non-Credit section was broken down as follows:

|                 |     |                          |     |
|-----------------|-----|--------------------------|-----|
| Business        | 30% | Language & Language Arts | 15% |
| Vocational      | 12% | Homemaking               | 16% |
| Arts and Crafts | 12% | General Interest         | 15% |

Our efforts to capitalize on popular interests continues, and it is the policy of the Division to offer any course for which there is an expressed interest and for which there are adequate facilities and quality instruction can be provided. This year twelve entirely new courses were developed and offered.

Of the seventy-eight faculty members in the Non-Credit section this year, thirty-seven were regular University faculty members. The other forty-one were townspeople who are recognized experts in their respective fields.

The cooperative plan between the University and the New Mexico State Department of Vocational Education is still in effect. The University is receiving compensation equal to one-half of the cost of certain courses of a distributive education nature.

There is an increasing awareness on the part of our local adult population of the need for continuing their education in order to acquire a higher degree of knowledge, a keener intelligence, improved skills, and more beneficial use of leisure time. This growing awareness, coupled with an intensive publicity campaign to acquaint these adults with the University program designed to meet these needs, has resulted in the great expansion of our Non-Credit program. Nearly 9,000 Community College Bulletins were distributed during the reporting period. Excellent coverage of our program by the local press, radio, and television stations was also of great help in our campaign to acquaint the citizenry with the University and its Non-Credit offerings.

## 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, difficulties may arise. The Division of Extension contacts the College or Department handling the activity as soon as word is received. Sometimes word is not received until all plans have been formulated. All conferences or large meetings should be scheduled in the Division of Extension before any commitments are made.

Our connection with each scheduled activity for adults varies as far as major or minor responsibility is concerned. It is the policy of the Division to form a planning committee with each requesting organization, composed of three members of the off-campus group, a member from each department at the University that will be involved in the activity, and one member from the Division of Extension who acts as coordinator of the activity.

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 forced this Division to refuse some proposed meetings and limit attendance at others.

In some cases, it is 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.

With the completion of the New Mexico Union, many more facilities will be available for conference type continuing education activities. Facilities in this building will be excellent. A system of charges will be set up for the facilities. There will be requests, however, for free meeting space from organizations who do not have funds for this purpose. For the sake of good public relations, the Division cannot refuse these requests.

#### I. Conferences

During the academic year 1958-59, sixty-seven 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> |
|---|-------------------|-------------------|
| New Mexico Bookmen  | 18                | July 8-10, 1958   |
| New Mexico Council on<br>Adult Education                            | 31                | July 18-19, "     |
| New Mexico Chapter of<br>American Assoc. of Hospital<br>Accountants | 29                | July 25-26, "     |
| Tri-Hi-Y Swim Party   | 150               | Aug. 3, "         |
| C.P.A. Review   | 23                | Aug. 5, "         |
| Baton Twirling Contest  | 140               | Aug. 6-7, "       |
| Band & Music Clinic   | 200               | Jul. 30-Aug. 8, " |
| Coaching Clinic   | 450               | Aug. 4-9, "       |
| N.Mex. High School Athletic<br>Officials Association                | 100               | Aug. 7-9, "       |
| North-South Football &<br>Basketball Games                          |                   | Aug. 4-9, "       |
| Custodial Workshop  | 78                | Aug. 14-15, "     |
| Pecos Conference  | 200               | Aug. 15-17, "     |
| N.Mex. Game Conservation Sch.                                       | 45                | Aug. 18-29, "     |
| Monitor Teachers Workshop   | 26                | Aug. 29-30, "     |
| Phi Sigma Society   | 30                | Sept. 7-11, "     |
| Display of Man & His Achieve-<br>ments Exhibit                      |                   | Sept. 1-25, "     |
| Golf Tournament   | 60                | Oct. 8-11, "      |
| Inter. Assoc. of Personnel<br>In Employment Security                | 100               | Oct. 10-11, "     |
| N.Mex. Div. of the American<br>Assoc. of Univ. Women                | 100               | Oct. 10-12, "     |
| Motor Board Regional Conv.  | 23                | Oct. 11, "        |
| Oil Institute   | 15                | Oct. 13-14, "     |
| Mt. Plains Philosophical Conf.                                      | 31                | Oct. 16-18, "     |
| N. Mex. Education Association                                       | 9,000             | Oct. 22-25, "     |
| American Assoc. of College<br>Registrar & Adm. Officers             | 30                | Oct. 31-Nov. 1, " |
| Motor Board Annual Conf.  | 50                | Oct. 31-Nov. 2, " |
| Practice Management for Dentists<br>Albuquerque Dental Society      | 50                | Nov. 15, "        |
| C.P.A. Examination  | 75                | Nov. 5-7, "       |
| Sports Day  | 108               | Nov. 8, "         |
| N.Mex. Society for Biological<br>& Medical Research                 | 50                | Nov. 14-15, "     |
| D. E. Regional Conference   | 30                | Dec. 3-5, "       |
| Elementary School Conference  | 100               | Dec. 5, "         |
| Leadership Training Conference                                      | 120               | Dec. 13, "        |

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Total: 11,462

| <u>CONFERENCE</u>              | <u>ENROLLMENT</u> | <u>DATES HELD</u> |
|--------------------------------|-------------------|-------------------|
| Camp Fire Girls                | 50                | Jan. 4-23, 1959   |
| New Mexico State Psych. Assoc. | 50                | Jan. 10, "        |
| Training Session for Engineers | 60                | Jan. 20-23, "     |
| Bernalillo County Red Cross    |                   |                   |
| First Aid Course               | 15                | Jan. 12-16, "     |
| Dental Seminar                 | 91                | Feb. 2-3, "       |
| Albuquerque Dental Society     | 95                | Feb. 13, "        |
| Alpha Phi Omega                | 150               | Feb. 21-22, "     |
| Conference on Freshman Course  | 75                | Feb. 27-28, "     |
| Defense Committee,             |                   |                   |
| N.E.A. & NMEA                  | 150               | Feb. 27, "        |
| State Conference of String     |                   |                   |
| Clinic                         | 40                | Mar. 6-7, "       |
| School Administrators Conf.    | 200               | Mar. 23-24, "     |
| Public Health Department       |                   |                   |
| Workshop                       | 52                | Mar. 26-27, "     |
| Music Federation               | 63                | Apr. 3, "         |
| Conference on Youth in Trouble | 190               | Apr. 4, "         |
| Workshop on Communicable       |                   |                   |
| Disease Control                | 125               | Apr. 7-9, "       |
| A.W.S. College Weekend         | 125               | Apr. 17-18, "     |
| Conference on Fulbright &      |                   |                   |
| Smith-Mundt Exchange Oppor.    | 50                | Apr. 16-18, "     |
| Rocky Mountain Section of      |                   |                   |
| Latin American Studies         | 50                | Apr. 16-18, "     |
| Red Cross Advanced First Aid   | 30                | Mar-May, "        |
| New Mexico Geological Society  | 150               | Apr. 23-25, "     |
| Folk Dances                    | 68                | Apr. 24-26, "     |
| National Student Assoc.        |                   |                   |
| Regional Conference            | 50                | Apr. 24-25, "     |
| Student Education Assoc.       |                   |                   |
| Tour Day for Indian Students   | 200               | Apr. 25, "        |
| New Mexico Philosophical       |                   |                   |
| Society                        | 50                | Apr. 25-26, "     |
| New Mexico League for          |                   |                   |
| Nursing                        | 50                | May 2, "          |
| Student Education Asson.       | 220               | May 8, "          |
| Institute or Radio Engineers   | 550               | May 4-8, "        |
| Radar Return Symposium         | 250               | May 11-12, "      |
| C.P.A. Exam & R.P.A. Exam      | 56                | May 13-15, "      |
| Distributive Education         |                   |                   |
| Workshop                       | 12                | Jun. 3-6, "       |
| County Parks & Recreation      |                   |                   |
| Conference                     | 200               | Jun. 4-5, "       |
| World Book Training Course     | 30                | Jun. 8-12, "      |
| Girls State                    | 300               | Jun. 13-21, "     |
| National Manpower Conference   | 30                | Jun. 17-18, "     |
| Fire Marshal's Fire            |                   |                   |
| Protection Conference          | 150               | Jun. 15-17, "     |
| Clinic on Pastoral Counseling  | 25                | Jun. 19, "        |

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Total: 4,032

The preceding charts show sixty-seven conferences of over two-days duration involving 15,494 people.

As may be expected, working with committees for a large number of 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 now almost 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.

## II. Institutes and Short Courses

During the academic year of 1958-59, twenty-two institutes and short courses involving 775 people were planned in cooperation with University personnel and conducted on the campus. A list of such activities follows:

| <u>Name of Course</u>                 | <u>Enrollment</u> | <u>Dates Held</u>    |
|---------------------------------------|-------------------|----------------------|
| First Aid Red Cross Training Class    | 20                | July 1958            |
| First Aid Red Cross Training Course   | 30                | Oct. & Nov., "       |
| Elementary Surveying State Highway    | 20                | Dec. 22-31, "        |
| Business Law for Secretaries          | 23                | Semester I, "        |
| American Institute of Banking         | 30                | Semester I, "        |
| American Institute of Banking         | 80                | Semester I, "        |
| Chartered Life Underwriters           | 26                | Sem. I - II, 1958-59 |
| Life Underwriters Training Class      | 28                | Sem. I - II, "       |
| Life Underwriters Training Class      | 18                | Sem. I - II, "       |
| Junior League Training Course         | 25                | January, 1959        |
| Elementary Surveying State Highway    | 20                | Jan. 30-Feb. 7, "    |
| First Aid Red Cross Training Course   | 20                | February, "          |
| Junior League Training Course         | 30                | February, "          |
| World Book Training Class             | 19                | June, "              |
| American Institute of Banking         | 30                | Semester II, "       |
| American Institute of Banking         | 28                | Semester II, "       |
| American Institute of Banking         | 32                | Semester II, "       |
| Phi Beta Phi Training Class           | 25                | Semester II, "       |
| Life Underwriters Training Class      | 15                | Semester II, "       |
| Accounting for Secretaries            | 18                | Semester II, "       |
| Medical Office Ass't. Training Course | 98                | Semester II, "       |

As in the case of the conferences, the institutes and short courses required much help and planning on the part of the Division staff. The institute and short course differs from the conference in that intensified study is given to solving problems pertaining to one type of business or profession with the interested members bringing up practical problems which have occurred in their own line of endeavor. Many favorable comments were received concerning these specialized activities.

### III. 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 253 different requests for meetings. This involved approximately 12,008 people.

### IV. Summary

The activities of this Department in the Extension Division involved over 40,000 persons which 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.

There was a slight increase in the number of conferences, institutes, and short courses for 1958-59 over the number handled by this Department 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.

It is the intention of this Division to continue 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.



## EDUCATIONAL TELEVISION

During the academic year 1958-1959, the following areas of achievement were attained by educational television at the University of New Mexico:

1. The first year of open-channel telecasting was completed;
2. Academic offerings for credit were regularly broadcast in beginning and/or advanced English, Mathematics, Anthropology, Spanish, and Art;
3. Special discussion programs of significance involving university, public school and lay personnel were broadcast;
4. Significant technical changes which offered a better signal to the viewers of channel 5 were achieved;
5. Increased participation by volunteer and student help was achieved;
6. Through representation at national conferences, the University of New Mexico and KNME-TV, channel 5, began to take on added stature among other educational television operations;
7. A new course offering at the upper division-graduate level was offered for the first time, UTILIZATION OF THE TELEVISION AND RADIO PROGRAM: and,
8. Under the direction of the Director of University TV and Radio, the University of New Mexico received its first television expense scholarship awards, three, for use during the academic year 1959-1960.

The first year of open channel telecasting. Reactions to the first year of open channel telecasting by KNME-TV were mixed, most of these were of the positive kind. Viewer reaction indicated that the availability of an educational television station offering something other than the usual commercial fare was desirable. Offerings of a kind not usually available--discussion of serious issues, cultural and informational programs ranging from science to music, to flower arranging to painting, to discussion of psychological problems, to an understanding of the development of various philosophies were welcomed and desired. All of these specialized areas were programs made available on film from the Educational Television and Radio Center in Ann Arbor with those

exceptions which will be described under that section of this report titled "Special live programs of significance."

Several surveying methods were used to determine interest and desires of viewers. The American Research Bureau reports that the following statistics apply to KINNE-TV:

During the month of November 1958, 10 percent of the sets of the Albuquerque area viewed channel 5. Those viewing the channel during the survey week in November, 1958, viewed an average of 3.1 programs during that week for a total viewing time of 58 minutes for that week. 54.4 percent of the TV homes in Albuquerque stated that they could regularly receive channel 5 "clearly enough for viewing". This was before channel 5 had gone to higher power. Of the total number of viewing homes which could receive channel 5, each set averaged 1.7 viewers.

During the rating week of March 1959, the average number of programs viewed dropped to 1.4 for that week, with a total average viewing time of 43 minutes. 43.1 percent of the viewers were able to receive an adequate signal for viewing, with an average 1.6 viewers per set.

It can only be assumed from the above data that the viewing of channel 5 was greater than generally supposed and that additional exploitation of local viewers for enrollment in teaching telecast offerings is possible and desirable in the Albuquerque area, itself. It must be kept in mind that such teaching telecast offering implies restrictions to be removed on (1) credit offering in a classroom viewing situation, (2) exploitation through the use of local groups interested in self-improvement for its members, (3) making available a simplified procedure to encourage such enrollment, and (4) offering some sort of incentive or inducement to enrollees in a tangible display form (certificates of achievement and the like).

Academic offerings by the University of New Mexico. During the first and second semesters of the academic year 1958-1959, a total of 60 lessons each were offered in freshman English, beginning Mathematics, and beginning Spanish. Thirty lessons each were offered via television in Anthropology I (during the first semester), and Art Survey 72 (during the second semester).

The Albuquerque Public Schools offered credit for teaching telecasts in the field of Geometry at the adult education level.

#### Total Programming of KNME-TV

For a thirteen month period the programming of the station consisted of the following:

842 hours of actual programming time

39% 'live' programming from the studios of KNME-TV  
78% produced by the University of New Mexico  
22% produced by the Albuquerque Public Schools

Of the total amount of programming for the period indicated

39% was of a teaching telecast nature  
61% was programming in the areas of science, fine arts,  
public and foreign affairs, children's programs.

A complete breakdown by months, hours, type of program, 'live' and film is available from station KNME-TV.

Special discussion programs of significance ranged in subject matter from space-science to mental health and included programs of significant cultural offerings in the field of music, drama and the dance.

Volunteer and student help. Some 4000 man hours of volunteer and student help were rendered during a thirteen month period. Such volunteer help was regularly rendered in such tasks as: camera personnel, floor managers, audio personnel, announcers, typists, copy-writers and the like. The cost of such services if rendered by competent professional personnel could be estimated

at approximately \$18,000, a sum not provided in the 1958-59, or 1959-60 budgets. For the most part, student help performed admirably under the conditions existing in the studios of KIME-TV. Some closer integration of mature professional help with an understanding of student relationships is desired. This can be provided by a more carefully devised, integrated, and continuing training program.

University of New Mexico and KIME-TV representation at national and state conferences. The University and educational channel 5 in Albuquerque have been represented at the following conferences, seminars and meetings during the academic year 1958-59; Management Seminar at Madison, Wisconsin; Programming seminar at Ann Arbor, Michigan; evaluation seminar at Ann Arbor (by the Director of the Division of Extension, Community Services and Summer Session); the Western Radio and Television Conference in Tempe, Arizona; the National Association of Educational Broadcasters meeting in Omaha, Nebraska; the Radio-Television Interest Group of the Speech Association of America in Chicago, Illinois; the Roswell Educational Association; the Taxpayers' Association of New Mexico in Santa Fe; twice at special meetings in Gallup, New Mexico; and, the Institute of Education by Radio and Television in Columbus, Ohio.

Representation at each of these conferences has brought added national stature and state stature to the educational television effort of the University of New Mexico

#### Advances in Academic and Instructional Procedures in Radio-Television

Perhaps the one single advance of note on the academic side was the final achievement of one student in the Advanced Television Production Course.

The presentation of a final project involving the techniques of television production and oral interpretation taught at the University of New Mexico was deemed worthy of on-the-air presentation. The Emotions of Man presented by a graduating senior with the aid of the technical staff of the station was an academic 'first' for educational television in the state.

The course, Utilization of the Educational Television and Radio Program was added to the curriculum offerings by consent of the Curricula and Graduate Committees of the University. The course attracted an enrollment of teachers from the elementary, junior high and high schools of the City of Albuquerque. Final project presentations in the course, by definition, involved a demonstration by the teachers of the ability of the medium to present supplementary or direct-teaching telecasts to accomplish the following:

1. Encourage the teacher to use the medium to vary media presentations of the class,
2. Use the media for enriching the curriculum,
3. Using the media for direct teaching of such subject areas in which the teacher may lack academic and experience preparation or for which there may be inadequate time to prepare.
4. The use of the medium for encouraging additional information in major or minor related areas to the subject being studied, and
5. The potential of the medium to enlarge the information which the accelerated student may have the time and desire to pursue.

Under the Assistant Professor of Speech, responsible for teaching the radio and television offerings of the University, and over the signature of the President of the University of New Mexico, a proposal was presented to the Blonder-Tongue Foundation requesting an award of expense scholarships for teachers of New Mexico. Of a total of 30 scholarships offered nationally by the Blonder-Tongue Foundation, three--or ten percent--were received by the University of New Mexico. The purpose of these scholarships is for expense

award to teachers for application to the Utilization course, described above. Complete requirements for the scholarships are explained in the Blonder-Tongue correspondence over the President's signature and on file with the Chairman of the Department of Speech.

Enrollments in radio and television course offerings at the advanced level showed no appreciable increase during the second semester of the academic year of report. No additional publicity of such courses, beyond the local scene was given.

## THE 1959 SUMMER SESSION

I. Statistical Analysis

The 1959 summer session closed with a total enrollment of 2265. This is a decrease of 71 students or three per cent under the figure of 2334 students enrolled in 1958. Enrollment figures in the 1959 undergraduate programs showed a three per cent decrease, while the 1959 graduate enrollment was two per cent below figures in 1958.

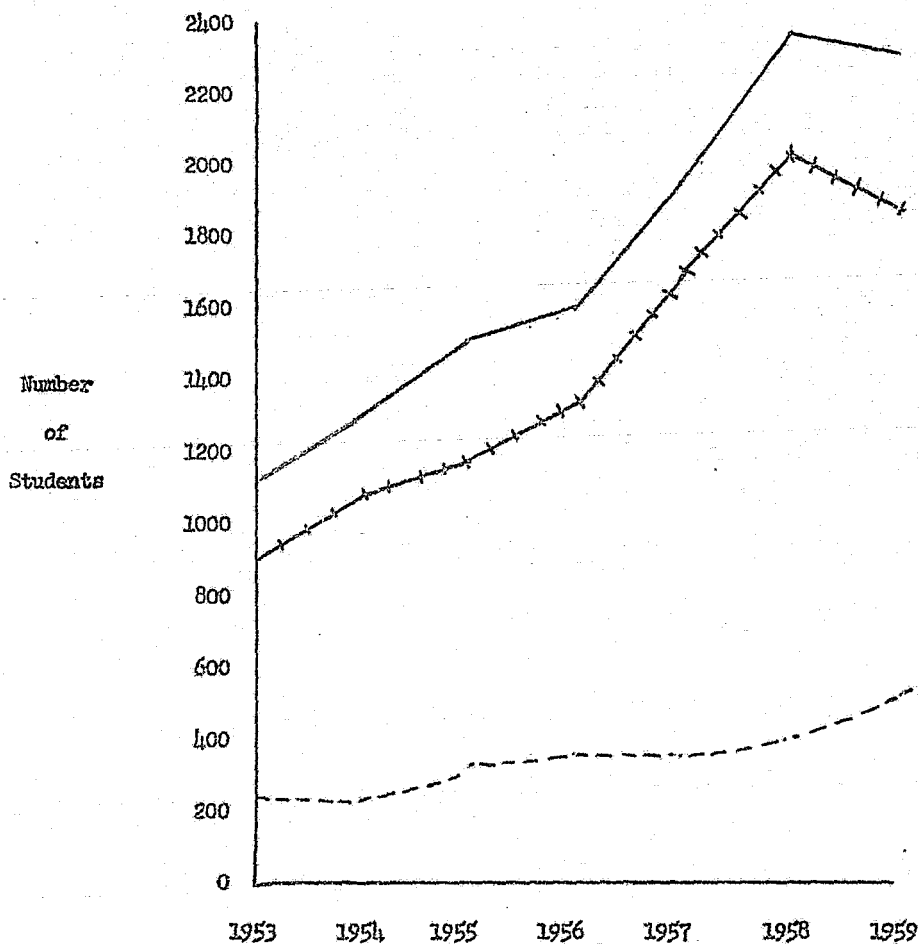
In the next chart, you get a picture of the enrollments during the last seven years. We point out that most of our summer students come from New Mexico, although we are making an effort to attract out-of-state students.

COMPARISONS OF ENROLLMENTS IN SUMMER  
SESSION FOR LAST SEVEN YEARS, 1953 - 1959

| Enrollments              | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|--------------------------|------|------|------|------|------|------|------|
| Total                    | 1146 | 1287 | 1476 | 1598 | 1962 | 2334 | 2265 |
| Men                      | 647  | 738  | 869  | 966  | 1160 | 1279 | 1252 |
| Women                    | 499  | 549  | 607  | 632  | 802  | 1055 | 1011 |
| Home State               | 905  | 1075 | 1188 | 1307 | 1672 | 2003 | 1825 |
| Out State<br>and Foreign | 241  | 212  | 288  | 291  | 290  | 331  | 438  |
| Undergraduate            | 729  | 864  | 1002 | 1140 | 1319 | 1490 | 1439 |
| Graduate                 | 417  | 423  | 474  | 458  | 643  | 844  | 824  |

The three graphs which follow are visuals which depict enrollment figures for the last seven years.

GRAPH I  
Summer Session Enrollments



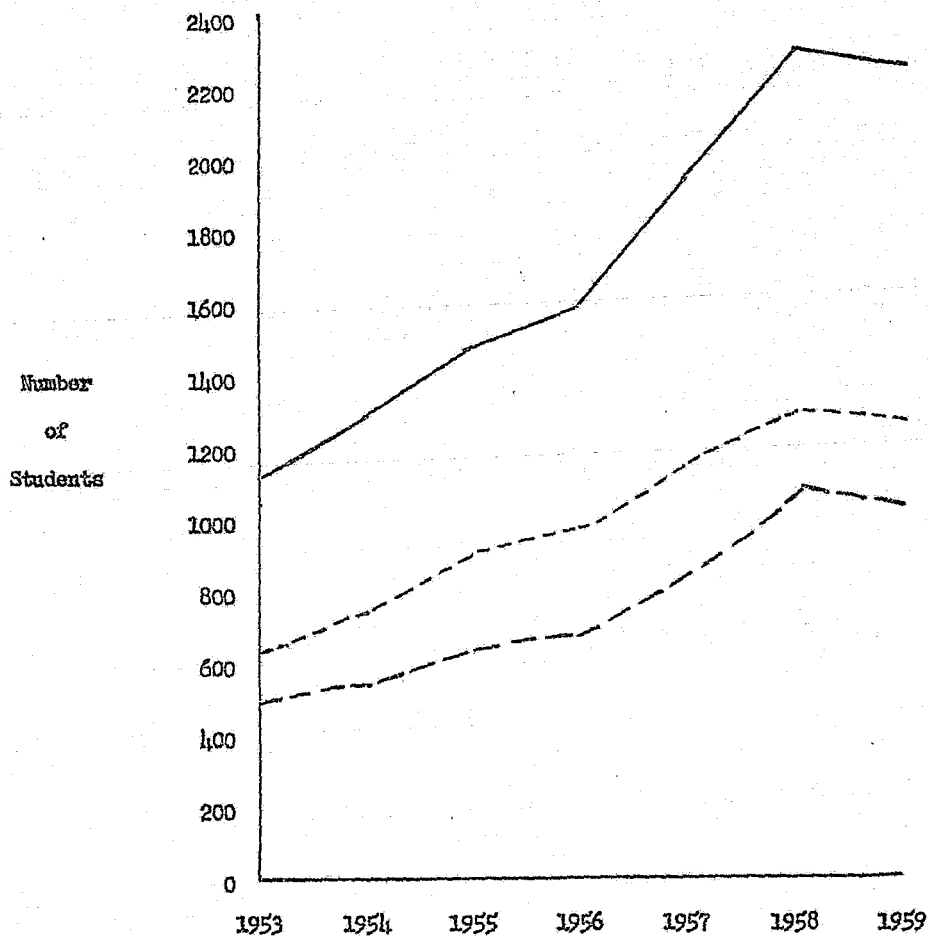
Total Enrollments \_\_\_\_\_

Home State Enrollments - - - - -

Out-of-State and Foreign Enrollments - - - - -



GRAPH II  
Summer Session Enrollments

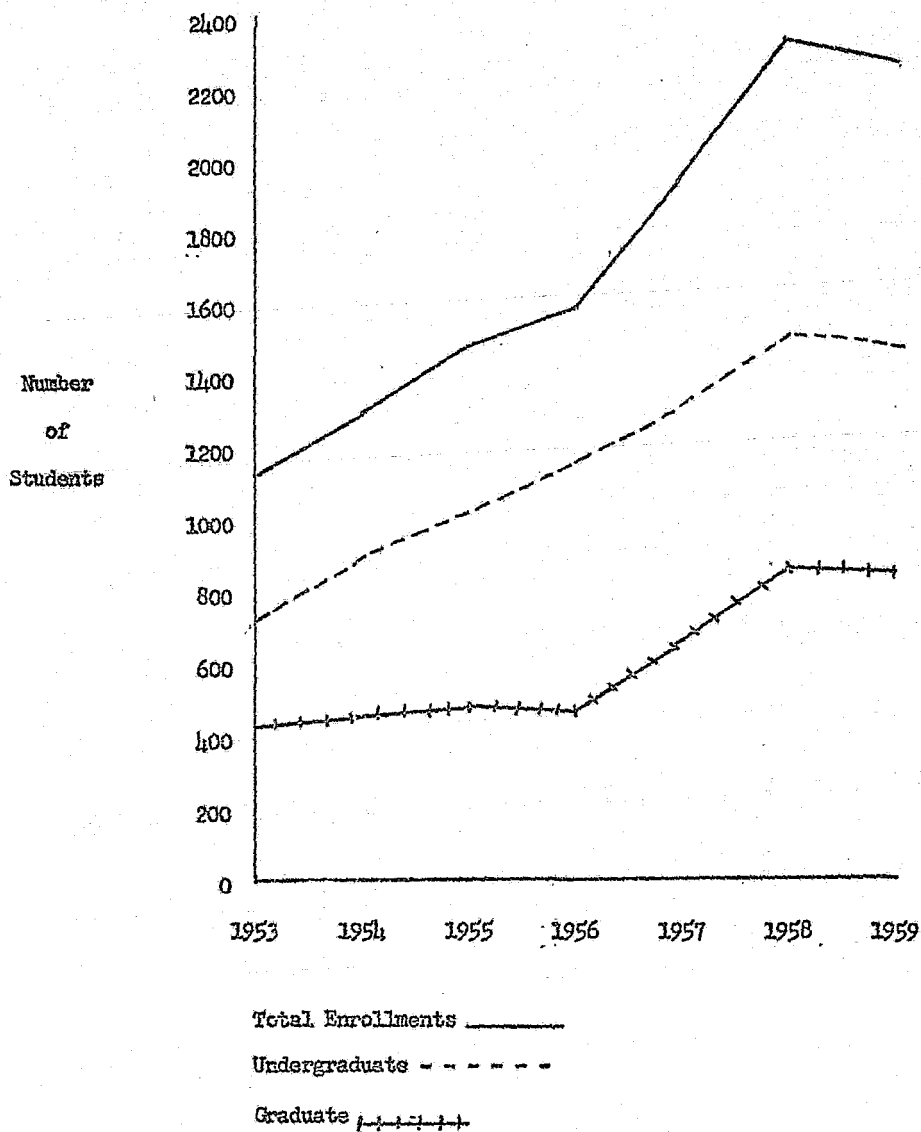


Total Enrollments \_\_\_\_\_

Men - - - - -

Women \_\_\_\_\_

GRAPH III  
Summer Session Enrollments



Enrollment figures for the summers of 1950 through 1959 are listed below with the percentage of resident and non-resident students noted as well as the percentage of those who attend as graduate students.

| Enrollments | 1950  | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total       | 1831  | 1648  | 1108  | 1107  | 1237  | 1429  | 1598  | 1962  | 2334  | 2263  |
| % Resident  | 81    | 84    | 74    | 79    | 84    | 81    | 82    | 85    | 86    | 81    |
| % Non-Res.  | 19    | 16    | 26    | 21    | 16    | 19    | 18    | 15    | 14    | 19    |
| Graduate    | 594   | 581   | 424   | 445   | 423   | 486   | 465   | 608   | 749   | 824   |
| % Grad.     | 32.44 | 35.25 | 38.26 | 40.19 | 34.10 | 34.00 | 29.09 | 30.98 | 32.09 | 36.41 |

The chart below shows a breakdown of enrollments by colleges:

COMPARISON OF 1959 SUMMER SESSION ENROLLMENTS BY COLLEGES

| College | College                 | Men  | Women | Total |
|---------|-------------------------|------|-------|-------|
|         | University              | 173  | 94    | 267   |
|         | Arts and Sciences       | 136  | 55    | 191   |
|         | Business Administration | 69   | 7     | 76    |
|         | Education               | 46   | 134   | 180   |
|         | Engineering             | 162  | -     | 162   |
|         | Fine Arts               | 22   | 27    | 49    |
|         | Nursing                 | -    | 14    | 14    |
|         | Pharmacy                | 6    | 2     | 8     |
|         | Graduate                | 493  | 331   | 824   |
|         | Law                     | 3    | -     | 3     |
|         | Non-Degree              | 142  | 347   | 489   |
|         | Totals                  | 1252 | 1011  | 2263  |

Enrollment figures for workshops and concentrated courses of three weeks' duration or less are listed below.

|   | <u>Length<br/>of Workshop</u> | <u>Total<br/>Enrollment</u> |
|---|-------------------------------|-----------------------------|
| Art Ed 148a (Creative Paper Crafts)           | 2 weeks                       | 63                          |
| Ed & Ad Serv 245 (School-Comm. Relations)     | 3 weeks                       | 29                          |
| Ed & Ad Serv 289 (Seminar for School Admin)   | 1 week                        | 5                           |
| El Ed 123A (Supervision of Inter. Reading)    | 3 weeks                       | 22                          |
| GPE 129b (Workshop in Music Ed., Elem.)       | 2 weeks                       | 173                         |
| GPE 129c (Workshop for Tchrs of Indian Child) | 3 weeks                       | 14                          |
| GPE 129d (Workshop for Latin Teachers)        | 1 week                        | 14                          |
| Mus 1291 (Workshop in Adv Instru, Band)       | 7 days                        | 9                           |

The geographical summary for the regular 1959 summer session is shown in the chart that follows:

## II. Geographic Summary

|                                      | <u>Men</u> | <u>Women</u> | <u>Total</u> |
|--------------------------------------|------------|--------------|--------------|
| New Mexico                           | 980        | 845          | 1825         |
| Other States                         | 250        | 161          | 411          |
| Territories and<br>Foreign Countries | <u>22</u>  | <u>5</u>     | <u>27</u>    |
| Totals                               | 1252       | 1011         | 2263         |

It is interesting to note that in 1959, senior enrollments increased 19 per cent, while junior enrollments decreased eight per cent, sophomore enrollments decreased seven per cent, and freshmen enrollments decreased six per cent.

It is difficult to discover the reasons why beginning freshmen do not attend summer school in larger numbers, but outside work is probably one basic factor. It seems we should make a concerted effort to point out to high school graduating seniors the advantages of beginning college work in the summer time particularly with increasing freshmen enrollments in the fall term.

Again in the 1959 summer session, we used an attractive scenic picture for the front cover of the bulletin.

This year, we tried to eliminate all individual activity on department brochures (because of expense) and instead printed one all-inclusive brochure which gave information on all workshops, concentrated courses, and special activities. However, it is still necessary to have special brochures for such things as the Music Clinic and Archaeological Field Session.

It should be said again that adequate air-conditioning of our men's dormitory, library, and classrooms is desperately needed to further stimulate summer session satisfaction and enrollments.

Again in the 1959 summer session, we offered a number of regular classes in concentrated form for either three or four-week periods instead of the regular eight. Enrollments in these classes were excellent, and it is planned to expand the number of these classes in 1960 since it is obvious that students prefer shorter summer periods for study than eight full weeks.

In addition to our concentrated courses, we had our usual number of short workshops which always attract good enrollments.

### III. Staff

In addition to 84 faculty members, efforts were made during 1959 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 1959 summer session.

Jose V. Amaral, Licenciado en Derecho y Ciencias Sociales, University of Mexico. Visiting Professor of Modern Languages. Now Associate Professor of Spanish, Rutgers University, New Brunswick, New Jersey.

William E. Barton. Visiting Professor of Business Administration. Now at Colorado College, Colorado Springs.

- Margaret M. Buswell, Ph.D., University of Minnesota. Visiting Professor of Education. Now Associate Professor of Education, Iowa State Teachers College, Cedar Falls, Iowa.
- Edmund J. Cain, Ed.D., Columbia University. Visiting Professor of Education. Now Associate Professor of Education, University of Delaware, Newark, Delaware.
- Mario V. Fiondella, M.S., University of Florida. Visiting Professor of Mathematics. To be a regular member of UNM faculty in fall of 1959.
- Raymond Floyd Gale, Ed.D., Northwestern University. Visiting Professor of Education. Now Director of Guidance, Ball State Teachers College, Muncie, Indiana.
- Winnifred G. Gifford, M.S., Iowa State College. Visiting Professor of Home Economics. Now Assistant Professor of Home Economics, Texas Technological College, Lubbock, Texas.
- Burton Henry, Ph.D., University of Southern California. Visiting Director of Intercultural Relations Workshop. Now Professor of Education, Los Angeles State College, Los Angeles, California.
- Charles Jelavich, Ph.D., University of California. Visiting Professor of History. Now Associate Professor of History, University of California, Berkeley, California, and Director of the Center for Slavic Studies.
- Lois Law, M.A., University of Wyoming. Visiting Professor of Education. Supervisor of Language Skills, Indian Education, State Department of Education, Santa Fe, New Mexico.
- Philip A. Macklin, Ph.D., Columbia University. Visiting Professor of Physics. Now Associate Professor of Physics, Miami University, Oxford, Ohio.
- Frederic C. Marston, Ph.D., Brown University. Visiting Professor of English. Now Professor of English, University of Vermont, Burlington, Vermont.
- E. P. Miles, Jr., Ph.D., Duke University. Visiting Professor of Mathematics. Now Associate Professor of Mathematics, Florida State University, Tallahassee, Florida.
- John J. Morrissey, M.A., Teachers College, Columbia University. Visiting Professor of Music. Now Professor of Music, Head of Department, College of Arts and Sciences, Tulane University, New Orleans, Louisiana.
- Louis A. Muinzer, Ph.D., Princeton University. Visiting Professor of English. Now Assistant Professor of English, University of Illinois, Urbana, Illinois.
- John E. Owen, Ph.D., University of Southern California. Visiting Professor of Sociology. Now Chairman of the Department of Sociology, Florida Southern College, Lakeland, Florida.

Lilla Belle Pitts, Mus.D., Elon College. Visiting Professor of Music.  
Now Professor Emeritus of Music Education, Teachers College, Columbia  
University, New York City, New York.

Jerry P. Rhodes, LL.B., University of New Mexico. Visiting Professor of  
Business Administration.

Noah Turpen, Ed.D., Teachers College, Columbia University. Visiting Professor  
of Education. Now Administrative Assistant to Superintendent of Schools,  
Albuquerque, New Mexico.

Benjamin Warren, Ed.D., University of Arkansas. Visiting Professor of Education.  
Now Associate Professor of Education, Kansas State Teachers College,  
Pittsburg, Kansas.

J. J. Weigand, M.Mus.Ed., University of Kansas. Visiting Professor of Music.  
Now Assistant Professor of Music, Kansas State Teachers College, Emporia,  
Kansas.

Michael White, M.A., University of New Mexico. Visiting Professor of Education.  
Now Principal, Aztec Elementary School, Albuquerque, New Mexico.

#### IV. Special Events

Our varied program of special events was carried on again during the  
1959 summer session. The following are considered worthy of note:

##### A. Lectures under the Stars

|          |                        |   |
|----------|------------------------|---|
| June 29  | John H. Furbay         | "Let's Join the Human Race"                               |
| July 6   | Erna Fergusson         | "Three Women on New Mexico"                               |
| July 13  | Charles Jelavich       | "Some Impressions of the USSR"                            |
| July 20  | George A. Shepperson   | "Nationalism in Africa"                                   |
| July 27  | Winfield Townley Scott | "Scrimshaw: A Poetry Reading"                             |
| August 3 | Charles W. Shilling    | "Educational Signpost -<br>Retroggression or Renaissance" |

##### B. Field School in Archaeology and Ethnology

The Field School in Archaeology and Ethnology under the direction  
of Dr. Florence Hawley Ellis was conducted at San Juan pueblo north  
of Santa Fe. Forty-two students were enrolled in the session.

##### C. Art for Children

The department of Art Education sponsored two classes for children  
in art. One class was for children ages 7 and 8, the other for children  
ages 9, 10, 11. Approximately twenty children attended each class.

D. Student Dances

Two outdoor dances were held by the SUB Program Director for the benefit of summer session students.

E. High School Music Clinic

The Ninth Annual Music Clinic, sponsored by the Department of Music under the general direction of Professor William Rhoads, was held from June 22 to July 1. There were 187 students enrolled in the clinic.

F. Swimming for Children

Six classes of swimming, total enrollment of 113, were taught swimming under the general supervision of Mr. John Williams, swimming instructor. Enrollment was limited to children of students and university employees.

G. New Mexico Bookmen Exhibit

The annual exhibit of books and teaching materials was held by the New Mexico Bookmen's Association in Mitchell Hall.

H. Radiation Biology Institute

For the fourth time, we offered a Radiation Biology Institute for high school science teachers, sponsored financially by the National Science Foundation and the Atomic Energy Commission. Nineteen high school teachers from twelve states were enrolled. The University of New Mexico was one of seventeen institutions in the country offering this kind of science institute. It was under the general direction of Dr. Martin Fleck who also taught the Radiation Biology class.

I. Mathematics and Science Institute

A Summer Institute for High School Teachers of Mathematics and Science was conducted on the UNM campus for the first time during the 1959 summer session. Approximately fifty secondary teachers received financial assistance from the National Science Foundation while



attending the institute. Dr. Frank C. Gentry was the institute director.

J. Engineering Research Institute

Ten secondary school teachers were enrolled in the Summer Program for Participation in Engineering Research by Secondary School Teachers of Science and Mathematics during the 1959 summer session. The institute, sponsored financially by the National Science Foundation, was held on campus for the first time this summer. Director of the program was Dr. Philip Bocquet.

K. Recreational Swimming Pool

Again the summer session office supervised recreational hours in the university swimming pool. Mr. John Williams, director of the swimming program, reported that the outdoor pool was used by 4573 people during the month of June alone.

L. Summer Theatre Workshop

Four full length plays were presented for the general public during the eight-week summer session by members of the Summer Theatre Workshop under the direction of Mr. George Stoughton. The following plays were presented: "Claudia", "On Borrowed Time", "Kind Lady", and "Under the Gas Light".

M. Summer Fare

In keeping with its policy of offering a wide variety of light and informal entertainment for the faculty, student body, and townspeople, the following events were organized and sponsored by the summer session office and presented as "Summer Fare".

Musical Events - The University of New Mexico Orchestra presented

four concerts under the direction of Kurt Frederick; a concert was given by the Phoenix YMCA Choir; Guy Garawan presented a folk song program; and an evening's entertainment was provided by the New Mexichords.

Movies - Beginning in July, a movie was shown out-of-doors every Thursday evening.

All of the attractions offered in the "Summer Fare" series were open to the public, free of charge, and when weather permitted, were held in the patio of the Administration Building. Judging from the number of people attending the various programs, and their enthusiastic response, it is felt that the entire series met with great success.

## CAMPUS SERVICES

I. Audio-Visual Center

Equipment, materials and services were provided by the Audio-Visual Center to thirty-five of the thirty-nine academic departments of the University during the reporting period. This, supported by statistics to be given, indicates that the center is effectively serving the purposes for which it is organized and also indicates that members of the University faculty are making more use of audio-visual aids in their teaching.

On-campus service, day and night, seven days a week, to the various departments, the non-credit program, conferences and institutes, programs directly associated with the University such as the Child Guidance Center and Pack Foundation, which often need service miles from the campus shows a total of 1352 hours of use for all audio-visual aids. This is an increase of 21% over last year's total. A breakdown of the number of times each type of equipment was used is given below:

|                           |     |
|---------------------------|-----|
| 16 mm projectors-----     | 534 |
| Overhead projectors ----- | 403 |
| 2 x 2 projectors -----    | 176 |
| Tape recorders -----      | 70  |
| Opaque projectors -----   | 69  |
| Record player -----       | 46  |
| 3½ x 4 projectors -----   | 22  |
| P. A. system -----        | 11  |

As indicated by these figures, the most widely-used audio-visual material is the 16 mm sound motion picture film. A total of 723 educational films were shown during the year, an increase of 20% over last year. Of these, 281 were rented or borrowed through this office from outside agencies.

The Audio-Visual Center also furnished all equipment for the regular week-end movies sponsored by the Student Union during the regular school terms and also during the summer sessions.

The following materials were purchased: seven 16 mm sound films, and four 35 mm film strips. New equipment was purchased this year for the first time in over three years to help reduce the ever increasing load on present equipment. Monies usually allocated for film purchases had to be reduced in order that we might have equipment available to show film in our library or film that was rented. The following equipment was purchased:

- 1 16 mm projector
- 1 12" speaker
- 1 film cleaner and accessories
- 1 set of film rewinds
- 1 Film-O-Vara lense
- 2 70" x 70" screens
- 2 combination projection stands and carts
- numerous projection lamps and replacement parts

The Audio-Visual Center is now happy to be able to offer a new service to the University. Since acquiring the film cleaning equipment, we have been able to restore many films considered too badly worn for use. We can now maintain the film in our library plus any other films that are owned by the various departments of the University at a very low cost. This service will add many years to the life of our film.

During the past year, nine students were employed on a part-time basis for the operation and routine maintenance of equipment and care of materials. We are very proud of the training and reliability of our projectionists.

We believe that we can now offer the University superior service where equipment is involved, but we note, with our film rentals ever increasing, that the size of our meager film library leaves much to be desired for more effective education.

## II. United Fund Drive

The fourth annual United Fund drive for the University faculty and staff was completed in October and November of 1958. The total amount collected was \$6,866.60, slightly more than the \$6,587.17 collected in 1957. We failed by a small amount to achieve our quota of \$7,000. A separate report on this activity is available.

## TAOS COUNTY PROPERTIES

I. Harwood FoundationA. Physical Plant

## 1. Outside Maintenance

Cleaned up front and back yards at Degen House. Trimmed trees in back of Harwood. Hauled several loads of cinders from Harwood furnace. Pruned trees. Patched up roofs from time to time when needed. Put in a new cement walk at entrance to library and gallery. Repaired garden wall in back of Harwood. Made many trips to Lawrence Ranch. Made Apartment 9 habitable (about one week's work). Extensive painting.

## 2. Inside Maintenance

Painted rest room off library. Painted entire gallery. Extensive Spring cleaning, including washing of walls and vigas throughout the Harwood. Painted entrance and room off Community Room. Stained and waxed stairway to main gallery, also main gallery and stage. Painted library wall in children's nook. Polished and re-waxed the floors in library, etc. Made several new bookshelves for library and enlarged several others. Painted extensively where needed.

B. Activities

## 1. Galleries

## (a) Exhibits:

September 21, 1958 - Opening of Blumenschein Retrospective Show. Reception - Over 350 guests attended.

October 19, 1958 - Opening of Show entitled "Realism Toward Abstraction to Non-Objective" Reception.

- November 30, 1958 - Opening of Craft Show and Christmas Show in Main Gallery - Reception
- January 17, 1959 - Opening of One-Man Show - Elaine de Kooning. Reception.
- February 2, 1959 - Hanging of Harwood Show
- April 26, 1959 - Opening of School Art Show with reception.
- May 31, 1959 - Opening of One-Man Retrospective Show - E. J. Bistram - Reception
- June 30, 1959 - Opening of Juried Show of Resident Taos Artists - Reception

(b) Gifts:

Miss Helen G. Blumenschein presented to the Harwood a painting by her Mother, Mrs. Mary Greene Blumenschein - Indian Subject.

Mr. Joseph Fleck gave a painting to the permanent collection, "Portrait of Noula", valued at \$500.

Mrs. Louis E. Wise presented the Harwood with a portrait of Mrs. Ufer by her husband, Walter Ufer, valued at \$527.25.

Gisella Loeffler painted murals in the Children's Book in the Library.

Mrs. Anton Hagemann added three more pieces to the collection of Old Rio Grande Tinware previously given, valued at \$110.

Mr. Jack Danciger gave the Harwood four small oil paintings - subject Ecuador, and a small oil portrait of himself, valued at \$25.00 for each Ecuadorean landscape.

C. 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, with assistance from the Secretary, Kathleen Dicus.

Circulation: 1958-1959 . . . . . 22,960

Books Given to Library: 1958-1959 . . . . . 1,048

Other Gifts to Library:

|   |           |
|---|-----------|
| Cash Donations and money raising projects -     |           |
| auction, book sales, concerts, silver tea, etc. | \$ 701.17 |
| Fines and rentals . . . . .                     | 277.41    |
| Received from Village of Taos,                  |           |
| children's books to value of . . . . .          | 600.00    |

Received from State Library Extension -  
 Matching Funds . . . . . \$ 200.00

Books Accessioned: 1958-1959 . . . . . 1,000.00  
 of which 309 were purchased, the balance  
 being gifts  
 Amount spent on books and Magazines . . . . 1,378.23

Magazine Subscriptions - total: . . . . . 40

**National Library Week:**

Active Participation. Posters placed all over town.  
 Exhibition of books in local store window on Plaza.  
 Bookmarks placed in all books taken out of library  
 during two-week period. Extensive publicity in local  
 newspaper. Silver tea for the benefit of library on  
 final day.

Several new bookshelves were added to the library as space  
 was lacking for new books.

**Standing Library Committee:**

This Committee was active and met at intervals.  
 Mrs. Kelly Rae Hearn, Chairman.

Following is a list of the people who gave the greatest number  
 of books to the Library during 1958-1959:

|                        |                      |
|------------------------|----------------------|
| Mrs. Mabel Dodge Luhan | Mr. James Reynolds   |
| Mr. Jack Danciger      | Mrs. Anton Hegermann |
| Mrs. Frances Crane     | Mrs. F. Beutler      |

**Events Scheduled in Gallery and Community Room:**

|                 |   |
|-----------------|---|
| July 1, 1958    | Home Extension Club - Film  |
| July 20, 1958   | Jenny Vincent - Folk Music Group                                    |
| Aug. 5, 1958    | Taos County Heart Program - meeting                                 |
| Sept. 9, 1958   | Taos Garden Club  |
| Sept. 23, 1958  | By-Pass Meeting   |
| Sept. 26, 1958  | Concert - Dr. Loomis - Benefit Library                              |
| Oct. 24, 1958   | Film Showing - Rogers Foundation                                    |
| Nov. 6, 1958    | Forest Service Meeting  |
| Nov. 24, 1958   | Film Showing - Rogers Foundation                                    |
| Dec. 20, 1958   | Episcopal Church Sunday School party                                |
| Jan. 14, 1959   | Taos County Heart Program - Meeting                                 |
| Jan. 15, 1959   | Meeting to discuss Western By-Pass                                  |
| Jan. 16, 1959   | Film Showing - Rogers Foundation                                    |
| Feb. 16-18, '59 | Eye Clinic  |
| Feb. 20, 1959   | Film Showing - Rogers Foundation                                    |
| Mar. 18, 1959   | Taos Artists' Association Pot-Luck Supper<br>followed by a lecture. |
| Mar. 31, 1959   | T.A.A. concert - Jane Snow and George Robert -<br>Reception.        |

|                |   |
|----------------|---|
| Apr. 7, 1959   | Taos High School Dramatic Class - recital         |
| Apr. 13, 1959  | Council Meeting for 4-H Club with County Agent.   |
| Apr. 17, 1959  | Concert - Lautario Llempe - Reception             |
| May 1, 1959    | Film Showing - Dr. Tung - Health Department       |
| May 20, 1959   | Wildlife Conservation Service Meeting             |
| May 21, 1959   | St. James Episcopal Church Annual Meeting         |
| May 28, 1959   | Taos Little Theatre - Annual Meeting              |
| June 16, 1959  | Taos County Heart Program - Annual Meeting        |
| June 15-19, 59 | Dr. Alexander's Philosophical Seminar             |
| June 15-20, 59 | T.I.C.O. students painting classes                |
| June 21, 1959  | New Mexico State Society of Medical Technologists |

Throughout the year, every week, the following have used the Harwood facilities: Taos Duplicate Bridge Club, St. John's Evangelical Religious Centre - Independent, The Christian Science Group. Sketch Class, Cecilia Torres Dancing Class.

Twice monthly the following have enjoyed the facilities of the Harwood: Veterans of Foreign Wars, V.F.W. Ladies Auxiliary, Home Extension Service, Social Security Officials. At more frequent intervals the Taos Little Theatre, San Lorenzo Corporation, Girl Scouts and others, have used the Harwood facilities.

The Harwood Foundation has loaned to the Ford Foundation the Andrew Dasburg painting from its permanent collection to go on tour for the coming year and possibly through 1961.

In June, Mr. Ulric B. Patrick and assistants made a complete inventory at the Harwood Foundation and the Degen House. Mr. Fifield came up in June and planned extensive repairs and improvements to the buildings and grounds.

#### D. Meetings

The most important activities and meetings held at The Harwood Foundation in the Gallery and the Community Room during the year were as follows:

|            |   |
|------------|---|
| Nov. 6     | Forest Service Meeting - Regional                               |
| Feb. 16-19 | Three-day Eye Clinic held under auspices of Welfare Department. |
| Apr. 13    | Council Meeting for 4-H Clubs with County Agent.                |
| May 20     | Wildlife Conservation Service Meeting.                          |
| June 15-20 | Dr. Alexander's Philosophical Seminar.                          |

#### E. Changes in Harwood Advisory Board

Mrs. Gene Kloss resigned from the Advisory Board and Mrs. Bettina Steinke Blair was elected to take her place.

#### F. Visitors to the Harwood

During the year, hundreds of visitors came to the Harwood, many from foreign countries, and showed great interest in the Galleries and the Library.



## II. Degen Property

During all the year, the Degen property which is adjacent to the Harwood Foundation was vacant except for rental of the studio to commercial interests. The property was to be sold, but with the development of the possibility of a Taos Community College, it was decided to wait until space needs of this activity were determined. The property remains in good condition.

## III. The D.H. Lawrence Ranch

The Division continued to supervise the D. H. Lawrence Ranch which is located about twenty miles north of Taos. We had an increased number of faculty and staff members using the property for relaxation and rest. The Buildings and Grounds Department continued to spend money in putting the property in better condition for use by the University family.

## THE WATERSHED CONSERVATION PROJECT

The newest activity of the Division began in February 1959, when Mr. George Worley joined the staff as Director of the Watershed Conservation Education Project. The Project was made possible through a grant of \$100,000 from the Charles Lathrop Pack Forestry Foundation and was set up for a three-year period.

The objectives of the Project can be stated as follows:

1. To inform the people of New Mexico about:
  - A. The critical water situation confronting them,
  - B. The interrelationships and interdependence of people, land, and water,
  - C. The need for constructive action,
  - D. Some of the more urgent measures that are involved in meeting the current situation.

So far this year, Mr. Worley has spent his time getting acquainted with the state and its watershed problems. Probably the outstanding accomplishment has been the making of a film called Watershed which tells the story of the decay of Cabazon, New Mexico from "the bread-basket of New Mexico" to a ghost community. The film shows what farmers, ranchers, foresters, and city dwellers can do to improve and extend the productivity of our watersheds. The film will be available for free showing throughout the southwest and prints will be sold at cost to film libraries.

## SIGNIFICANT PLANS AND RECOMMENDATION FOR 1959-60

Again this year, we are sub-dividing this section into areas of responsibility since certain specific recommendations will apply only to particular sections. As before, we do this so that we might devote some attention to general plans and recommendations involving the entire Division of Extension, Summer Session, and Community Services.

In all of our efforts during the past six years, we have attempted to make the resources of the University available to all of the citizens in this community as well as the State of New Mexico. We are sincere in our feeling that we have made much progress in accomplishing this objective.

I. General Plans and Recommendations for the Entire Division:

A. As always during 1959-60, the fundamental question we face is

"What will be the future development of the Division of Extension, Summer Session, and Community Services?" With increased enrollments, there will be an expansion of workload in the various areas of responsibility. In addition to this, we would like very much to add an area of Community Development in the Division. In order to do this, it will be necessary to add a full-time man to the Division. Many Extension Divisions over the country have expanded greatly in this direction and certainly the communities of New Mexico deserve this kind of service. This individual would work directly with the leaders of any state community who are interested in analyzing their problems and helping to develop plans of action in solving these problems. We have during the past year worked with the New Mexico Federation of Women's Clubs, in developing a program of community

development in certain communities. However, it is not possible for us to give very much direction to this organization with our limited manpower.

- B. Again I reiterate that we are finding it increasingly difficult and sometimes impossible to get our secretarial and clerical work accomplished. This simply means that we are in dire need of an additional clerical worker. It is our hope that the 1960 budget will provide for at least one more staff member so that we can continue to give adequate service to our various areas of responsibilities.
- C. It is again recommended that our supervisory staff be given academic rank. This is a common practice at other universities, and it would immeasurably improve the morale of the staff. It is further recommended that consideration be given to changing the title of Assistant Director to Associate Director for Dr. McMichael.
- D. It is again recommended that efforts be continued to get the funds necessary to build a Continuing Education Building. This is a common trend over the country in many state universities, and again it would give added impetus to varied adult education programs. Increasingly, we are going to be limited in campus facilities and services. This may result in curtailment of some of our Community adult programs. Naturally, we recognize the value of the new New Mexico Union in terms of space, but this will in time be limited by student needs.

## II. Instructional Centers and Extension Classes:

- A. Beginning in the fall of 1959, Taos will attempt to start a community college on an extension basis. Mr. Orlando Ortiz of the Taos Public School System will serve as the local director of the program. As needed, the facilities of the Harwood Foundation and the Degen House

will be used for classroom purposes. Local teachers who secure the necessary approval of UNM department chairmen will instruct the courses. It is recommended that the University cooperate in every possible way to develop this Community college program, and perhaps ally it with the future development of the Lawrence Ranch.

- B. Dr. James Porterfield, Director of the Gallup Community College, is working very hard to stimulate interest in the college program in that city. Because qualified teachers in some areas of study are not available in Gallup, the program has had difficulty in expanding its offerings. An added factor is the reluctance of some UNM department chairmen to allow courses to be taught by extension. It is recommended that a normative survey of present college needs be conducted in Gallup during the next year to determine the need for college work. The utilization of television should be considered a part of this survey.

By 1960, it is hoped that Gallup will have a TV translator in operation. This will help in the development of college courses by being able to effectively receive KNME-TV courses of study.

- C. Offering courses and seminars of a highly technical nature at Holloman Air Force Base, the University of New Mexico, under contract for graduate courses with the United States Air Force, granted the first two master's degrees during the reporting period.

In the future it is recommended that every effort be made to involve supervisors at Holloman in the program in order to gain their support for the graduate program. This support, in turn, would perhaps encourage enrollments from the lower levels of employment.

- D. It seems rather universally agreed that the operation of the Los Alamos Graduate Center, under the direction of Dr. Guido Daub, is functioning smoothly and deserves the praise and continued cooperation of the URM faculty and Los Alamos residents.
- E. Extension classes in the discussion which follows are restricted by definition to mean classes not taught for residence credit in off-campus communities by either a URM instructor or an approved local instructor. (Most of the classes in this category during this reporting period have been requested by teachers who can use the credit for recertification purposes).

In the past, the philosophy has been stated that an extension course can be organized at any time, providing enough students are available to pay for the course. This statement is somewhat unrealistic under the present financial set-up, where a budgeted amount is used to pay the instructors' salaries and all income from the classes goes into the General Fund. In other words, an extension class cannot be offered at any time, if the budget does not allow it. It is therefore recommended that to implement the statement of continuing education, the University treat income from extension classes of this kind as part of a revolving fund is used by other institutions with a great deal of success.

It is further recommended that Departments of the University make known to the Extension Division the names of available courses and instructors who can and will teach extension courses. This information could be used for promotional activities. Heretofore, the request of a group desiring a certain course has initiated the process of finding an instructor for the course, and seeking approval of the course to be taught through extension.

Finally, it is highly recommended that now is the time to re-appraise the meaning of the word "extension". It is an appropriate time to consider the offering of residence credit for off-campus classes that have, until this time, been eligible for only extension credit.

### III. Correspondence Division:

It is evident from available surveys and statistics, and from the study of bulletin material published by the National University Extension Association and member institutions of the Association, that correspondence study is becoming an important division of adult education today.

Our own department is growing steadily, as has been shown, but in order that this growth may continue, and to meet the standards being set by other colleges and universities, it would seem that some suggested improvements should be made:

- A. One person can no longer handle the entire load of the Correspondence area. It is recommended that a stenographic assistant be added to the staff immediately to help with the volume of mail and records, to help prepare and improve the physical appearance of lesson material sent to students, and to allow the registrar some time for counseling, good public relations and promotion.
- B. It is recommended that a study be made of the problems of payments to instructors for grading papers and the preparation and revision of courses, and costs of the courses in relation to other institutions.
- C. It is recommended that means be sought to gain the cooperation and interest of all departments of instruction of the University to provide new courses, to more carefully prepare courses, and to find instructors who will be conscientious in the prompt return of graded lessons.

Courses in Anthropology, Sociology, Engineering, and Art are among those most requested, plus higher level courses in the fields now offered.

#### IV. Audio-Visual Center:

From the first section of this annual report concerning our Audio-Visual area, 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 because of budget limitations. If we could get a large budget increase, it would then be 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 definite strides in getting the various departments to recognize this Division as the Audio-Visual Center for the campus.

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 administer 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.

Even though we do not advertise a rental library or distribute off campus a film catalogue, the organizations and public schools of the State still prefer to rent film from the University of New Mexico. Our many requests prove this. However, this is in opposition to our present policy.

It is apparent that the Extension Division of this University is not presently offering the complete service to the public which is sometimes expected. These same services are offered by Extension Divisions in every



major university in the United States.

With these factors in mind, we again respectfully ask that our Audio-Visual budget be increased to the point that we can at least take advantage of the offers given us by agencies who wish to deposit film with the University, and that this increase be large enough to cover the purchase of the many instructional films so badly needed by the University.

#### V. Taos Properties:

During the next fiscal year, it is planned to survey the total situation as regards our use for the Taos properties. This will be done through a faculty committee and with the advice of various colleges and departments. The hope will be to make this survey lead to recommendations regarding the future utilization of the three Taos properties by the University. The recommendations will be submitted to the Board of Regents at the Spring, 1960 meeting.

##### A. Harwood Foundation:

We believe the Foundation to be under good administration and its operation is functioning smoothly. We do not feel that we are in any position to make further recommendations regarding this property at this time.

##### B. D. H. Lawrence Ranch:

Many improvements have been made by our Buildings and Grounds Department on this property during the past year. It is still our hope that the survey previously referred to will recommend that the D. H. Lawrence Ranch be developed as a summer conference center.

##### C. Degen Property:

Since the property is not presently occupied, it is difficult to make any recommendations at this time except to sell the property and use the proceeds to develop the other Taos properties. However, the survey may prove this recommendation to be wrong. One suggestion that has been made

is that we use the property to establish certain music fellowships through which young writers of music would be furnished living quarters.

#### VI. Conferences, Institutes and Short Courses:

As has been mentioned before, there is a critical shortage of facilities for continuing education activities because of a larger enrollment of residence students for both the day and night offerings. When the new Student Union Building is completed, there will be a number of new meeting rooms available. This will alleviate the shortage of space to some extent; however, it is understood that there will be a charge for use of the new Union's facilities.

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 brief summary of conferences, institutes, and short courses already planned for the coming fiscal year is as follows:

|   |           |
|---|-----------|
| Educational Secretaries' Workshop                 | July      |
| Cooperative Program in Educational Administration | July      |
| Coaching Clinic                                   | August    |
| International Association of Machinists           | August    |
| Custodian Workshop                                | August    |
| Newman Conference                                 | September |
| American Society for Quality Control Conference   | September |
| Teenage Seminar                                   | September |

|  |                |
|--|----------------|
| Watershed Conservation Conference                                | October        |
| Rocky Mountain Placement Conference                              | October        |
| American College of Chest Physicians                             | October        |
| Future Nurses Conference   | October        |
| New Mexico Education Association                                 | October        |
| Social Welfare   | November       |
| International Association of Personnel<br>in Employment Security | November       |
| Junior Football School   | December       |
| Oil Jobbers Management Institute                                 | December       |
| Biological Tests Conference                                      | February, 1960 |
| Associated Women Students  | April          |
| Indian Youth Council   | April          |
| Rocky Mountain Mineralogical Conference                          | June           |
| Women's National Golf Tournament                                 | June           |
| Liquid Scintillation Counting Conference                         | June           |
| State DeMolay Conclave   | June           |
| Girls State  | June           |
| Junior Classical League  | August         |

Preliminary steps have already been initiated on the above activities.

Additional requests will be received, and those that can be sandwiched in will be handled.

#### VII. Television Programming:

Several areas of advance and change are indicated in order to up-grade the potential of the offerings of station KMBE-TV. Under existing grants, the University of New Mexico has several commitments. The grant from the Fund for Adult Education requires that some attempt be made to record on film certain semi-documentary programs of cultural and information basis, related to specializations of the southwest. These latter areas, as originally suggested to the Fund for Adult Education, included one series of semi-documentaries on each of the following: Indian art and its development in the Southwest, Southwestern literature, Southwestern music, the tricultural interrelations of the Southwest, the history of the Southwest, and the Indians of the Southwest. None of these has yet been done or attempted.

It would be undesirable to add to the major equipment components of the television operation until such time as adequate building facilities could be made available to the television operation. The present physical facilities of the building housing the television operation are barely adequate for a closed-circuit experiment. They are very inadequate for an open-channel operation. Production and engineering personnel have inadequate facilities for the proper planning of presentations. In many instances, the personnel either do not have sufficient time or desire to experiment beyond the daily needs of the university and the expediency of the teaching telecasts. These latter are not the usual 'glamour' type of telecasts which appeal to many persons unacquainted with educational objectives, and are often regarded by those who do not have a serious involvement with educational needs as being uninteresting and, therefore, less challenging.

It is recommended that in relation to academic offerings, the following needs exist:

1. A coordinated program in which a true sequence is offered for the major at the undergraduate or graduate levels. This does not yet exist, and would not be desirable without sufficient student personnel to justify such offerings. Such numbers do not exist, nor is there sufficient evidence to indicate that the number of students interested in such a sequence will materialize without some additional effort at publicizing the unique position of the University of New Mexico to render such a coordinated sequence because of its facilities.

2. Some attention needs to be given to the potential of the medium for teacher-training. This is already being explored by institutions of higher learning, has been found to be worthwhile in observation work, and has potential for integration in teacher-training programs.

#### VIII. Community Evening College (Non-Credit Section):

The Non-Credit section of the Community Evening College has, since its inception, shown a resolute increase in every aspect of its purpose. For exact proof, please note the statistics given in the preceeding section of this report, listed under the above heading. It is this writer's opinion that this constant growth must not be taken for granted simply because the population of Albuquerque increases.

There are several fine trade and vocational schools in Albuquerque, plus business colleges and the Albuquerque Public Schools who constantly strive to better their educational offerings to the public via the non-credit plan. We do not wish to be thought of as competition in this field of adult education, but thought of as leaders. This we cannot continue to do without an increase in our budget. We offer as many courses as our present budget will allow, but could do much more with a larger budget.

The financial return to the University from non-credit courses is large and with more courses could be materially increased.

#### IX. Community Evening College (Credit Section):

From the previous section concerning this particular area of responsibility, we gave the information that in terms of numbers the evening student population has declined. It would, of course, be difficult to know the reasons for this situation, but my recommendation is that each department take a good look at what courses they are offering at night and perhaps add more courses. Certainly the courses which are desired by night students should be offered for their benefit. Probably one of the reasons that the night population has declined is due to the fact that Sandia Corporation is now allowing many of its students to attend day classes. We, of course, are making every effort to offer the courses needed by employees of Sandia Corporation at the hours desired by them.

#### X. Watershed Conservation Project:

During the coming fiscal year, it is hoped to expand the activities of the Watershed Conservation Project so as to stimulate the education of the people of New Mexico to the watershed problems. Specifically, we will try to develop a portable exhibit which can be shown in many communities. We also have in mind holding a conference on watershed conservation and next summer we will probably develop a workshop for teachers on watershed conservation. In addition, we will show the new film "Watershed" in many communities and to many organizations.

#### XI. Summer Session:

As we have said before, one of the basic needs of the summer session is more and better air-conditioning of the buildings used by the summer session. Plans are now formulated to air condition the Library to have it in operation by the summer of 1960. We still need to revamp the air-conditioning of Mitchell Hall. It is certainly my hope that some day we can get the men's dormitories air conditioned. It is, of course, difficult to know why we had a small decline in the 1959 enrollment, but probably more air-conditioning will be a factor in future enrollment increases.

During 1959, the summer session budget was considerably increased to provide for more courses. This, of course, should have increased our enrollments. We will continually strive to offer a broader program of courses and workshops in the summer of 1960. Some effort should be made to get more entering freshmen to start their college careers in the summer session.

At the present time, our summer session salaries are based upon 20% of the annual salaries with a maximum of \$1500. In the near future, it is recommended that this maximum limitation be eliminated and that summer session

salaries be based upon two-ninths of the annual salary. This, of course, is contingent upon keeping the eight weeks organization that we presently have in the summer session.

It is also hoped that in the near future we can begin to give faculty members load credit for thesis and dissertation responsibilities. We made a start on this during the summer session of 1959 when we gave three department chairmen in the College of Education a decrease of one hour in their loads because of extra responsibilities in terms of student advisement and supervision. Expansion of this procedure is probably in order.

It is recommended that as soon as money is available, plans should be developed for a larger and more adequate outdoor swimming pool. This, we think, would certainly be an added attraction for summer session students.

During the next fiscal year, the faculty committee for the Division of Extension will be asked to study the summer session plan of organization with the thought that we may want to make some evolutionary changes which will attract a larger enrollment. There is certainly some feeling that the enrollment would increase if we were able to offer courses starting later in the summer. We, of course, have attempted to meet the needs of teachers by developing short term workshops and concentrated courses. This procedure will probably be continued and expanded.

The Report of The Holloman Graduate Center  
July 1, 1958 - June 30, 1959  
Joe Reeder Foote, Director

This administrative unit of the University of New Mexico began to take form in July, 1958, with the appointment of Dr. J. R. Foote as Director and Professor of Mathematics, the positions effective on September 1. The plan is to have a resident Director at the Air Force Missile Development Center who usually will teach two courses, with the remaining time devoted to promoting the idea of graduate study, to maintaining informal contact with the University, to graduate student counseling, to planning the schedule of courses, and to other administrative details. The program is supported by contract funds supplied by the United States Air Force. Added in November was Mrs. Sonia Martin as secretary to Dr. Foote.

About fifty percent of those students eligible (with a technical degree) enrolled, an encouraging aspect of the program. More discouraging was the drop-rate which runs considerably higher than on campus. To further increase participation, three specific actions were taken or planned: (1) offer remedial calculus and Ordinary Differential Equations in the 1959 Summer Session to develop interest and reestablish the habit of study before the regular term begins; (2) meet with prospective students in their work areas, to answer questions, hand out a syllabus of each course to be offered in the next year, and otherwise create interest in the M. S. degree program; (3) offer eight courses per semester to avoid underselling the program by limiting it to an area too narrow to attract larger numbers of students. Two courses in electrical engineering, two in mechanical engineering, one in physics,



and three in mathematics are planned for each semester. Most of the teachers will be from the University Faculty, the remainder being well-qualified persons from the Center.

In June two students in the program were granted the M. S. degree, the first students to complete all their graduate course work at Holloman. To mark this occasion, General Hooks invited Dr. E. F. Castetter, Dean Farris, Dean Wynn, Dr. Ried, and several Department Chairmen to come to Holloman and present the diplomas.

The Holloman Summer Seminars were held in the last two weeks of June and were attended by 125 scientists from all over this country. The lecturers were world-famous scientists: Dr. Theodor von Kármán, Dr. Paul Epstein, Dr. Karl Pohlhausen, and Dr. Wallace Hayes. Audience response was enthusiastic and the program had the complete cooperation of Cloudercroft townspeople and the Cloudercroft School officials. Tape recordings were made of the lectures and photographs were made of blackboard demonstrations. These materials will assist in eventual publication of some or all of the lectures.

Dr. Foote has published a Technical Report, Ray Holland as co-author, entitled "Preliminary Investigation of the Aerodynamic Effects of Linear Acceleration as Related to the High Speed Track." Dr. Foote is supported in such research as a consultant to the Office of the Chief Scientist. This activity is full-time each summer and part-time in the academic year.

Dr. Foote spoke in April at a regional meeting of the Mathematical Association of America in Tempe, Arizona, on "Calculation of Concentration Using Spherical Mirrors," a topic of research related to a

proposed solar furnace near Cloudcroft, New Mexico. He made a seminar lecture at the University of Minnesota in May on "Acceleration Effects in Slender Body Theory," based on his part of the Technical Report mentioned above and on later research.

The Report of the Los Alamos Graduate Center  
July 1, 1958 - June 30, 1959  
Guido H. Daub, Director

During the school year 1958-59 including the 1958 Summer Session, the Graduate Center offered a total of 60 courses at Los Alamos under the SC-11 Contract. These are broken down in Table I in terms of credit and non-credit courses. Included in the table may be found the total initial enrollments in these courses. In addition, the Graduate Center acted as a registration center for the various television and non-credit Community College offerings of the University. The enrollments and number of courses in these latter two categories are not reported here.

TABLE I

| <u>Session</u>       | <u>Courses Offered (Initial Enrollments)</u> |                   | <u>Other Enrollments</u> |                     |
|----------------------|--|-------------------|--------------------------|---------------------|
|                      | <u>Credit</u>                                | <u>Non-Credit</u> | <u>Thesis</u>            | <u>Dissertation</u> |
| Summer, 1958         | 1 (9)  | 1 (9)             | 5                        | 0                   |
| Semester I, 1958-59  | 25 (391)                                     | 3 (40)            | 3                        | 1                   |
| Semester II, 1958-59 | 28 (288)                                     | 2 (17)            | 4                        | 2                   |
| <u>TOTALS</u>        | 54 (688)                                     | 6 (66)            | 12                       | 3                   |

A chart prepared by Mr. T. A. Dunn of the Los Alamos Training Office showing enrollments at Los Alamos since 1948 is attached. The establishment of the Graduate Center in 1956 has certainly been partially responsible for the growth of the program in recent years.

According to Graduate School statistics, the numbers of students who were actively pursuing advanced degrees through the Graduate Center during Semester II, 1958-59 are Chemistry - 19; Electrical Engineering - 14; Mechanical Engineering - 51, (most of these taking the nuclear option); Mathematics - 17; and Physics - 32. Almost 30% of these students have the doctorate as their goal.

A list of graduates of the program has been made and is shown in Table II. It is expected that these numbers will show a steady increase in the coming years.

TABLE II

| <u>Commencement</u> | <u>Number of Graduates</u> |             |              |
|---------------------|----------------------------|-------------|--------------|
|                     | <u>B.S.</u>                | <u>M.S.</u> | <u>Ph.D.</u> |
| 1954                | 1                          | 0           | 0            |
| 1955                | 1                          | 2           | 0            |
| 1956                | 1                          | 0           | 2            |
| 1957                | 0                          | 2           | 3            |
| 1958                | 0                          | 4           | 1            |
| 1959                | 0                          | 11          | 1            |
| Totals              | 3                          | 19          | 7            |


During the school year 1958-59 practically all of the University of New Mexico instructors teaching a 3-credit course held classes in two sessions on one evening, the first session being held from 5:15 to 6:30 and the second from 8:00 to 9:15. These instructors heartily endorsed such a procedure as being superior to the usual 2-1/2 hour session previously used.

During the past year departmental chairmen or their appointed representatives were available at the Graduate Center at Los Alamos for a day's program of advising students. This policy will be continued in the future at least once a year.

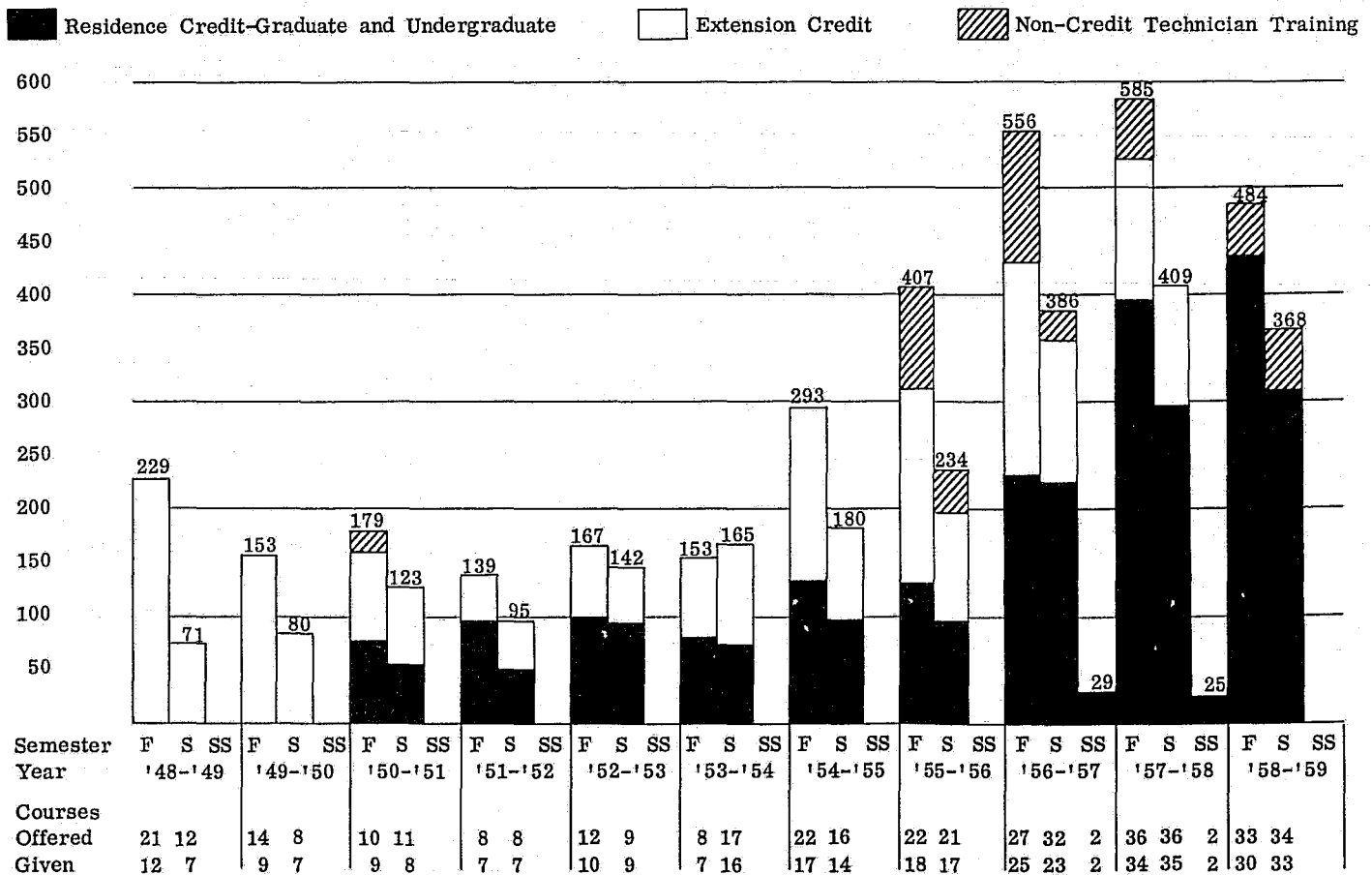
Dr. Wellock of the University's Counseling and Testing Division spent a day at the Graduate Center administering the usual placements tests to the interested students. With sufficient demand this service will be continued in the future.

A kardex file on students at the Graduate Center has been prepared by Mrs. Moxley and Mrs. Hambleton of the PER-5 staff at Los Alamos. During the coming year we hope to check this file with the Graduate Office and Registrar's Office to make certain that all pertinent information on a student's progress is up to date.

Four new Members at Large were appointed to the Advisory Council of the Graduate Center in May, 1959. They are: Dr. Ralph Muller, Dr. Gordon Hansen, Dr. J. M. B. Kellogg and Dr. Carl Holtom. In addition, the following men were



May 1, 1959



THE REPORT OF THE AIR SCIENCE DEPARTMENT (AFROTC)  
 July 1, 1958 - June 30, 1959  
 Lt. Colonel H. M. Campbell, Professor of Air Science

1. Significant developments during the academic year, 1958-59:

a. Air Force ROTC Detachment Nr 510 received an annual inspection October 7th and 8th 1958. The rating given was "Satisfactory", which is the highest rating used by the inspectors. Lt. Colonel Robert E. Burnham, in charge of the inspection party, personally stated that he considered the unit's achievements to be excellent 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 increased from 177 for the fall semester of 1957 to 185 for the fall semester 1958 and dropped to an enrollment of 123 for the spring semester.

d. Enrollment in the Air Force ROTC during the period  
 1 July 1958 to 30 June 1959:

FALL SEMESTER 1958-59

|        |     |
|--------|-----|
| AS I   | 119 |
| AS II  | 26  |
| AS III | 22  |
| AS IV  | 18  |
| TOTAL  | 185 |

SPRING SEMESTER 1958-59

|        |     |
|--------|-----|
| AS I   | 71  |
| AS II  | 13  |
| AS III | 20  |
| AS IV  | 19  |
| TOTAL  | 123 |

## e. Total appointments to Second Lieutenant in the Air

## Force Reserve:

|               |          |
|---------------|----------|
| August 1958   | 0        |
| February 1959 | 1        |
| June 1959     | 7        |
| TOTAL         | <u>8</u> |

Four were assigned to flying training classes; three were assigned as non-flying officers; and one, a veteran, is not going on active duty.

2. It has finally been definitely determined that the Air Force ROTC of The University of New Mexico will begin operation of the Flight Instruction Program during the fall semester of the academic year 1959-60. The contracts have been signed and funds have been made available for this program.

The Flight Instruction Program (FIP) consists of 35 hours of flying instruction. Upon completion an Air Force ROTC cadet may obtain a private pilot's license by accomplishing successfully a check ride with a Civil Aeronautics Authority examiner.

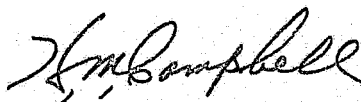
Air Force ROTC cadets fly between and after classes and have the benefit of excellent instructors. The Air Force pays for the training but expects the 35 hours of light plane training to result in great savings of the tax payer's dollar by a reduction of the "washout rate" due to many factors, when cadets enter regular Air Force Flight Training.

## 3. Administrative appointments to staff:

| <u>NAME</u>                | <u>DATE ASSIGNED</u> |
|----------------------------|----------------------|
| Lt. Colonel H. M. Campbell | 15 May 1959          |
| Captain Arnold W. Brown    | 24 April 1959        |

## 4. Administrative separations from staff:

| <u>NAME</u>                        | <u>DATE DEPARTED</u> |
|------------------------------------|----------------------|
| Colonel E. G. Schoggen             | 2 June 1959          |
| S/Sgt. Howard C. Teeple (deceased) | 21 February 1959     |



H. M. CAMPBELL  
Lt. Colonel, USAF  
Professor of Air Science



## ANNUAL REPORT OF NROTC UNIT

July 1, 1958 - June 30, 1959

Paul L. deVos, Captain, U. S. Navy

Professor of Naval Science

1. Significant developments during the period.

- a. Number of midshipmen commissioned officers during this period - 25:

|                        |    |
|------------------------|----|
| Ensign, USN            | 14 |
| Ensign, USNR           | 2  |
| Second LT, USMC        | 3  |
| Second LT, USMCR       | 4  |
| Second LT, USMCR (PLC) | 2  |

- b. NROTC enrollment for academic year 1958-1959:

|           | <u>Regular</u> |            | <u>Contract</u> |            |
|-----------|----------------|------------|-----------------|------------|
|           | <u>Begin</u>   | <u>End</u> | <u>Begin</u>    | <u>End</u> |
| Freshmen  | 39             | 33         | 24              | 8          |
| Sophomore | 29             | 22         | 8               | 4          |
| Junior    | 23             | 19         | 6               | 6          |
| Senior    | <u>16</u>      | <u>15</u>  | <u>7</u>        | <u>7</u>   |
| Totals    | 107            | 89         | 45              | 25         |

Plus PLC, OCC, AOC (Marine Candidates) - 7

- c. The Executive Officer attended the Seventh New Mexico State Science Fair at Socorro on 11 April and selected the Navy Science Cruiser from the high school sophomore or junior having the science project of greatest Navy interest. The winner was Bill BAILEY, 1413 Polk St., Lovington, N. M., whose project was "Space Capsule." Two alternates were chosen.

- d. Social Activities of NROTC Midshipmen:

The NROTC Wardroom Society, whose membership included about 130 students, sponsored three dances during the year.

In November the Shipwreck Ball was held in the El Fidel Hotel. The ball theme revolved around a miniature desert island and appropriate castaway costumes.

On February 20 the joint NROTC-AFROTC Military Ball was celebrated with a formal dance on Sandia Base. Governor Burroughs presided in the crowing of the Unit queens and led the dancing attended by nearly 300 couples, including prominent University, civilian and military personnel in the area. Music was furnished by the Chief, Naval Air Advanced Training Command, Corpus Christi, Texas.

To honor the graduating seniors and the new senior class the annual Navy Ring Dance was held in the Hilton Hotel on May 8th. Rings were presented to the prospective seniors by their ladies after ceremonial dipping in waters of the Seven Seas and the Rio Grande.

e. The joint annual Parade was held on 12 May with Major General Schifani, NMNG, reviewing the battalions. Awards presented were:

|   |                    |
|---|--------------------|
| Naval Institute Award - Outstanding Navy Service - William Carlson          |                    |
| Marine Corps Gazette - Outstanding Marine Regular Senior - John C. McDonald |                    |
| Marine Corps Gazette - Outstanding Marine Contract Senior - J. M. Bisbee    |                    |
| Navy League Sword - Outstanding Senior in Aptitude - William Carlson        |                    |
| SAR Award - William Carlson   |                    |
| ROA Citizenship Award - Arunas Dirvianskis                                  |                    |
| Post 13 American Legion Winning Company Commanders - Arunas Dirvianskis     | George Osterman    |
| Staff and FNS Class Awards - Douglas Glover                                 |                    |
|   | Paul Dailey Jr.    |
|   | David Christiansen |

Miss Ione Zimmerman of Albuquerque presented the honor ribbons to 'A' Company for outstanding performance during the school year.

f. The remodeling of the NROTC Wardroom in the Stadium Building was completed at a total expense of \$1750.00 borne by the Navy Department.

g. The newly instituted Navy Enlisted Scientific Education Program (NESEP) completed its inaugural year at the University. The academic achievements of the students were outstanding. The eight enlisted students in the program made 50 A's, 28 B's, and 8 C's, with no grades below C for the year.

## 2. Significant plans for the near future.

Two major changes were authorized during the school year which radically changes the sophomore curriculum. In keeping with the emphasis on leadership in the Navy, the Naval Weapons course will be reduced to one semester and one semester of psychology will be added.

Five NROTC Units, which includes the University of New Mexico Unit, will conduct an experimental Naval Weapons course of one semester duration during the coming year. This course is a new concept in naval weapons, based on scientific principles rather than a study of conventional ordnance. If the experimental course is as successful as anticipated, it will be expanded to eventually cover the entire NROTC organization.

## 3. Administrative appointments to the staff

|                           |                |
|---------------------------|----------------|
| GDR Charles W. SMITH, Jr. | 15 August 1958 |
| LT C. G. HARNDEN          | 19 August 1958 |

## 4. Administrative separations from the staff

|                  |              |
|------------------|--------------|
| LCDR Louis CISIO | 18 June 1959 |
|------------------|--------------|

## 5. Publications

None

## 6. Outside professional activities of staff members

The Commanding Officer, Capt. Paul L. deVOS, U. S. Navy is Senior Naval Officer Present and Commandant, Eighth Naval District Representative in the Northern New Mexico Area.

## 7. Gifts

None

## 8. Outside Sponsored Research

None

*Paul L. deVos*

The Report of the Bureau of Business Research  
July 1, 1958 - June 30, 1959  
Ralph L. Edgel, Director

The Bureau of Business Research was chiefly concerned during fiscal 1958-59 with the activities and programs that have become traditional with it and which are described in detail in the Report for 1957-58. The constantly increasing volume of requests for information from individuals and other agencies is steadily reducing both the time and the energy available to the staff for special studies, nevertheless, several projects of genuine importance to New Mexico have been recently completed or are currently under way.

DEVELOPMENTS DURING FISCAL 1958-59

1. Collection and Maintenance of Statistical Data

The emphasis in this area is now placed largely upon maintaining the continuity of our statistical series. The continuity of our several series on sales activity was sadly disrupted last year (a situation not yet corrected) by the breakdown of data processing and reporting by the School Tax Division. We have reason to believe that the figures furnished us for the last several months by that Division are wholly inaccurate and, therefore, of no value to us in our recording and reporting of sales activity throughout the State. Having such data become unreliable takes on the nature of a crippling blow for the Bureau. However, we have been able to interest the School Tax Division in a reorganization of its system of collecting and reporting information, which should result in a complete review of procedures and the re-

moval of present difficulties. Preliminary conferences have been held; information on the techniques of effecting the required changes has been furnished the Division; and the officials concerned have expressed the intention of carrying out the work within the next few months. If this important reform is accomplished, the Bureau will be deeply gratified and will be able to function more effectively than in the past.

Significant progress was made last year in compiling certain data series for counties. Perhaps the three most significant among all such series, and certainly the ones for which we have a preponderance of requests, are being completed rapidly: those on population, income, and employment. We have now developed estimates of population for all years from 1945 and estimates of personal income payments for 1949 and for all years from 1954, with wage and salary payments allocated to particular industries; and estimates of average annual employment in each county's major industries are progressing satisfactorily. The present work on county series is only a scratching of the surface of available data, but very much expansion of our present data-collection program is beyond the present capacity of the Bureau, because of limited staff, financial resources, and working space. The physical plant is taxed to the limit and offers no accommodations for any additional activities.

## 2. Data Processing

The converting of raw data into useful economic measures is, like data collecting, a routine matter with the Bureau. Within the last 16 months we have added two new measures--that on unemployment and an additional construction yardstick, our contracts-awarded series, prepared in cooperation

with F. W. Dodge Corporation.

### 3. Special Programs

Special studies and projects have included a survey for the American Gypsum Company, which would ordinarily be discussed under Sponsored Research, but is mentioned here because--though completed toward the end of 1957-58--it was not reported last year; continuing work on the State Gross Product; additional evaluations of New Mexico mining (the industry in general and uranium in particular); examination of state and municipal finances; investigation of several phases of consumer credit; continuous work on the population picture and on employment and income; and periodic appraisals of the construction industry.

An exhaustive study of personal income payments in 1949 was completed by Mr. Ximenes, in addition to his compilation of 1958 income payments, both of which required complete revisions of the industrial classification of sources of income. A rather extensive analysis is being made of the structural changes in the State's economy which were revealed by the changing sources of income as shown by these studies. We hope to publish the results during the coming year.

Also, a fairly exhaustive study of the State's electric utilities and one federal grants-in-aid are in progress. Publication of findings is scheduled for 1959-60.

### 4. Publications and Related Activities

Publishing activities last year were constant and, it can be added, gratifying from the standpoint of the general reception given many of the items involved. Publications included 12 issues (one in two sections) of the

monthly business journal New Mexico Business, 12 issues of the Retail Food Price Bulletin, one addition each to the "Business Information Series" and to the "New Mexico Studies in Business and Economics," and a new directory of manufacturing and mining.

Each issue of New Mexico Business contained nearly 50 regular statistical measures of business activity and a brief article summarizing current business conditions in the State. Almost every issue featured at least one long article growing out of Bureau research. Those articles included the following:

- "The Navajo in the Machine Age," Napier and Sasaki, July 1958
- "Mining in New Mexico," Edgel, August 1958
- "New Mexico's Uranium Industry," Arledge, September 1958
- "Size and Changing Distribution of the New Mexico Population," Edgel, October 1958
- "The Credit Union in the Consumer-Credit Picture," Meaders, November 1958
- "A Businessman Looks at the EDC and the State Government," Wentworth, December 1958
- "Building Boom," Meaders, December 1958
- "More on Population Estimates," Edgel, December 1958
- "Some Aspects of Municipal Finance in New Mexico," Blumenfeld, January 1959
- "Instead of Figures--Words," Edgel, January 1959
- "Prosperity During Recession" and "Reclassification of Employment," Edgel, February 1959
- "Employment and Income," Edgel and Ximenes, February 1959
- "Agriculture," "Manufacturing," and "Construction," Ximenes, February 1959
- "Mining" and "Finance," Meaders, February 1959
- "Utilities and Transport" and "Trade," Blumenfeld, February 1959
- "Retail Sales, or the Case of the Missing Figures," Edgel, March 1959
- "Farm Surpluses: How to End Them," MacMillan (with accompanying data on New Mexico agriculture compiled by Meaders), April 1959
- Index to Volumes 1-11, New Mexico Business, compiled by Meaders, May 1959
- "Early 1959 Construction," Meaders, May 1959
- "The Condition of New Mexico Banks," Edgel, June 1959
- "Notes from The Census of Governments," Blumenfeld, June 1959
- "Two Deans," Meaders, June 1959

Most of these articles were reissued as reprints so that they would be listed in such bibliographical series as the Department of Commerce Distribution Data Guide, Wilson's Vertical File Index, and others. As a result, during the year we filled requests for more than 2,500 copies of such reprints. For the first time the Annual Summary Issue (February, Section 2) was reprinted and has proved a popular item, with more than 500 copies having already been requested.

Also for the first time the February issue consisted of two sections, Section 1 appearing as a four-page statistical pamphlet, carrying the standard monthly statistics and going into circulation much more promptly than has ever been possible when summary materials for the preceding year have had to be gathered. Section 2 was the customary review number and was, this year, a 44-page publication. The corresponding issue in 1958 contained 36 pages, while that in 1957 contained 32. The Bureau hopes to follow this two-section policy with each February issue.

Each month's magazine featured a Chart-of-the-Month, first used late in 1957-58. Most charts were made by Mrs. Huzarski.

Paid circulation of New Mexico Business has averaged about 235 copies a month--an increase of 35 from the average of the preceding year. Total circulation--distribution to governmental agencies, educational institutions, and persons having requested specific information on the State--averaged about 1,035. This average is also a gain over that of the previous year if a special Chamber-of-Commerce mailing in April, May, and June 1958 is taken into consideration.

Pages of statistical information, articles, and editorial comment totaled



198 last year. The 1957-58 total was 160; that for 1956-57 was 142.

The Retail Food Price Bulletin was published each month and sent to approximately 550 readers. The text was prepared by Miss Meaders; the price surveys were conducted and the statistics worked out by various staff members.

New Mexico Population, Its Size and Changing Distribution, Edgel, was added to the "Business Information Series" as Number 35. "New Mexico Studies in Business and Economics" had Publication Number 6 added to its list: 1957 Income by Counties. The author was Mr. Ximenes; the charts were prepared by Mrs. Huzarski and Mrs. Adams; the tables were the work of several staff members; the editorial work was done by Miss Meaders.

The directory series had a new publication The 1958 Directory of New Mexico Manufacturing and Mining. Its compilation was a staff project, with Mr. Ximenes directing the gathering and assembling of data. For the first time directory sales paid the publication's printing costs. Sales efforts of Mrs. Park were largely responsible.

The column "Business in New Mexico" went each week to newspapers and radio and TV stations throughout the State. Miss Meaders writes this column and also furnishes local papers with a monthly food-price news story.

##### 5. Requests for Information

The Bureau last year received 785 requests (compared with 477 the year before) for specific information and/or evaluations and interpretations, exclusive of requests for particular publications. The most popular requests are for those of projections of various kinds--income, population, employment, volume of sales, etc.--for the State as a whole and for specific

localities. Such data require a vast accumulation of information in the form of historical series, exactly the kind of material the Bureau is continuously struggling to collect and process.

#### STAFF, 1958-59

Ralph L. Edgel, M.B.A., Director and Professor of Business Administration, appointed July 1, 1945. Committees: Census Tract and Traffic Board, City of Albuquerque; Faculty Insurance and Retirement and Faculty Club, University of New Mexico; Graduate, College of Business Administration, UNM; Supervisory, Coronado Credit Union, UNM; Area Development Action, Albuquerque Chamber of Commerce. Offices: Director, Southwest Travel Association. Publications in addition to those for the Bureau: The Market for a Gypsum Building Materials Plant, privately published by American Gypsum Company, May 1959; "New Mexico's Economy," New Mexico Quarterly, Winter, 1957-58 (not released until after July 1, 1958); article on New Mexico for the World Book Encyclopedia (will probably appear as joint effort with Frank Reeve). Addresses: Mortgage Bankers Association, Heights Optimist Club, American Business Club, all of Albuquerque; section chairman, Economic Development Section, State Conference of Social Welfare, Meetings: Southwest Travel Association, El Paso, June 3 and 4; Conference of Social Welfare, Albuquerque; "An Introduction to Data Processing for Professors in Colleges of Business Administration," Endicott, N.Y., Aug. 11-29. Additional professional activities: consultant for the American Gypsum Company, the Edward H. Snow Construction Company, and the Realty Mortgage and Investment Company.

Vicente T. Ximenes, M.A., Associate Research Economist, appointed September 15, 1951. Meetings: Conference of the National Manpower Council; Dental Health Conference. Offices: National Executive Secretary of American GI Forum. Addresses: Working Conference on Dental Health, September 19, 1959; panelist for the Intergroup Relations Workshop, University of New Mexico. Publications: "Demand for Dentists in New Mexico," New Mexico Dental Journal, November 1958; book review on The Negro Question, by George W. Cable, New Mexico Quarterly, Spring, 1959; "1956 Income in New Mexico," New Mexico Quarterly, Winter, 1958.

Margaret I. Meaders, M.A., Editor, appointed March 18, 1957. Meetings: State Conference on Social Welfare, Albuquerque. Addresses: Sandia Base Chapel Guild; Women's Fellowship, Monte Vista Christian Church; Women's Guild, St. Luke's Lutheran Church. Other activities: monitor for the Economic-Development Section of the State Welfare Conference. Publications: Report on the Economic Development Section in the Conference Proceedings; "A Southwestern Christmas," Baltimore Sun, December 1958.

Arthur A. Blumenfeld, B.B.A., Assistant Research Economist, appointed January 1, 1959 (previously on the staff, November 21, 1955-January 1, 1958).

Committees: Albuquerque Citizens Committee. Addresses: New Mexico Highlands University; Board of Directors, Santa Fe Chamber of Commerce; Advisory Committee, New Mexico Economic Development Committee. Publications: New Mexico, Nucleus of the Southwest, October 1958; Development Credit Corporations, July 1958; Utility Rates for Business In New Mexico, August 1958. (All these publications were for the EDC.)

Sheila M. Fisher, Assistant Statistician, appointed July 23, 1956; resigned June 30, 1959.

Anita S. Park, B.B.A., Secretary, appointed July 1, 1955.

Shirley Huzarski, B.A., Supervisor of Records, appointed June 1, 1959 (part-time from November 30, 1953.)

Edwina R. Archuleta, Stenographer, appointed June 4, 1957; resigned September 5, 1958.

(Myrene) Diane McCollum, Statistical Clerk, appointed October 1, 1958.

Dolores Sandoval, Student Clerk (part-time), appointed September 8, 1958; resigned July 20, 1959.

Patricia Waldie, Statistical Clerk, appointed June 8, 1959.

Joan Kern, temporary secretary from March 7, 1958, to July 21, 1958 (previously on the staff from June 28, 1954 to August 26, 1955 and from May 19, 1952 to June 30, 1953).

#### SPONSORED RESEARCH

The Bureau was the recipient, late in the fiscal year, of two research grants: a small one of \$1,200 from the State Planning Office of the Department of Finance and Administration and one of \$30,864 from the Small Business Administration. The first is to finance a 10-year (mid-1961 to mid-1971) projection of the population of each of the State's counties. The projections are to serve as one of the bases for the preparation of a 10-year capital-improvements program for the State, which the Department of Finance and Administration is directing. The second grant is for the purpose of inquiring into the possibilities for the expansion of food manufacturing by small

New Mexico firms. As a result of this second grant, we have added to the staff--for the duration of the project--a marketing consultant, a survey assistant, a statistical clerk, and a project secretary. Both programs are now in the process of being organized and will receive an important share of the Bureau's attention during this coming year.

The Report of the Division of Government Research

July 1, 1958 - June 30, 1959

Frederick C. Irion, Director

Publications:

Consumer Protection in New Mexico, David Hamilton, December, 1958.  
(No. 54)

New Mexico and Its Natural Resources, 1900 - 2000, ed. Frederick C.  
Irion, January, 1959. (No. 55)

The Recruitment of Candidates from Bernalillo County to the New  
Mexico House of Representatives, 1956, Charles B. Judah and Dorothy  
Powell Goldberg, June, 1959. (No. 56)

A Portrait of Bronson Cutting Through His Papers, 1910 - 1927,  
Patricia Cadigan Armstrong, June, 1959. (No. 57)

## 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 34th volume.

The policy has been adopted of giving fifty reprints without cost to the authors of articles.

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 OFFICE OF DIRECTOR OF RESEARCH

July 1, 1958 - June 30, 1959

Harold L. Walker, Director of Research

The Office of the Director of Research was established in July 1957 and has operated for two fiscal years. A summary of fiscal year 1959 activities follows:

1. Research Program: Research underwriting in fiscal year 1959 totaled \$1,792,659.05, of which 68.8 per cent was by Federal government. Seventy-one projects were active as follows: 28 new undertakings, 17 extensions of existing contracts, and 26 carried over from fiscal year 1958. The smallest new project was for \$1,773 and the largest, \$95,403. Further details and a summary may be found in Appendixes "A" and "B."

## DEVELOPMENTS DURING FISCAL YEAR

2. Sponsored Research Data: Detailed data on sponsors and amounts involved; University reimbursement for salaries, expenses, and overhead by departments; and a summary, by departments, are attached as Appendixes "A" and "B." Similar data for fiscal 1958 are not available and no comparisons may be made for the two fiscal years.

In some of the earlier contracts (most notable in the department of Physics) provision for overhead reimbursement to the University was not provided for. Overhead reimbursement amounts to 15%

Report, Office of Director of Research

only of total reimbursement to the University for all charges, or to 23.1% of total salaries and wages reimbursed. This percentage should improve in the future, since proposals are now being closely examined before approval.

The total annual reimbursement for research to the University amounts to 30.3% of the total contracts in force during fiscal 1959. This percentage is accounted for as follows:

- a. 21 of the 71 active contracts were completed during fiscal 1959, which resulted in reimbursements of less than full contract value.
- b. 28 new contracts were negotiated in fiscal 1959, which resulted in reimbursements of less than full contract value.
- c. 43 contracts were extensions, carried over from fiscal 1958, which resulted in reimbursements of less than full contract value in fiscal 1959.

The annual value of contracts (annual reimbursement to the University) should rise to approximately 40% of total active contracts when our program has become more stabilized and a better overhead reimbursement is realized. I doubt that our present human and physical resources will support research of an annual reimbursement value of much more than \$750,000, \$1 million being the absolute maximum.



Report, Office of Director of Research

3. Sandia Corporation Fundamental Research: Dr. J. W. McRae, then President of Sandia Corporation, announced in May 1958 that the Corporation was establishing a fund of \$100,000 on an annual and continuing basis to support basic and fundamental research at the University. Dr. McRae stated that the \$100,000 was to be carried in Sandia's budget and that if the Corporation's budget was decreased by the Atomic Energy Commission, the decrease would be absorbed in other areas of the Corporation's budget and that the University research fund would be maintained. The policy was effective July 1, 1958 for fiscal 1959.

Eight purchase orders totaling \$115,242.16 for research were received in fiscal 1959. The University was paid \$22,784.82 for research services rendered in fiscal 1959. Details of the contracts are shown in Appendix "E." The large difference between total value of contracts and funds received is due to late starting date, and in the case of one contract, lack of manpower to prosecute research. Fiscal 1960 reimbursement to the University for Sandia research should approximate \$75,000 to \$80,000. Funds not spent in one fiscal year may not be carried over into the following fiscal year as additional funds; in other words, the maximum expenditure for any fiscal year is limited to \$100,000.

4. Patent Policy: Following approximately one and one-half years of

Report, Office of Director of Research

negotiations between the Patent Policy Committee, ad hoc, the Faculty Policy Committee, and University administrators, a patent policy was approved by the faculty and the President of the University. A copy of the patent policy is attached as Appendix "C." (Final approval by the regents of the University was given October 30, 1959.)

In brief, the Research Corporation has been retained as patent administrator, and the division of royalties from patents will be as follows: the Research Corporation, forty-two and one-half per cent (42.5%); and the University, fifty-seven and one-half, (57.5%). The inventor will receive a percentage of the University's share, the exact amount to be negotiated between the President of the University and the inventor. Royalties paid to the University may be appropriated for research. During the academic year, seven disclosures were submitted to the Research Corporation - of these, five disclosures have been declined and two are under consideration.

The Naval Research Laboratory filed patent applications on research disclosures resulting from a project in electrical engineering on "Analog to Digital Converter" which was sponsored by it.

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5. Electronic Computer Program: During the academic year the indefinite loan of a CRC (Computer Research Corporation) 102A electronic computer was negotiated with Sandia Corporation. The loan was negotiated under the provisions of the Educational-Aids Program between the University and Sandia Corporation. The computer was delivered and installed in May 1959. W. W. Whisler, who operated the computer at Sandia for more than four years, is on leave of absence from Sandia and has been appointed by the University as computer programmer and operator.

The CRC 102A computer is an all-purpose digital computer with input from punched tape and output on punched tape, or direct to flexowriter. A photoelectric high-speed reader attachment has increased the potential of this computer. The magnetic memory stores only 1024 words of nine digits each, one of this computer's limitations. Some thought is being given to the possibility of incorporating the larger memory unit of MANIAC I computer (received from Los Alamos Scientific Laboratory) to increase the usefulness of the CRC 102A. Mean random access time for a stored word is 12.5 milliseconds, and addition takes approximately 8 milliseconds not including access time. The rate of computation is approximately 125 additions per second.

The CRC 102A computer is suitable for both business and scientific applications. Because of its versatility, this computer is expected to be of great value on campus, but its usefulness to

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the faculty may have to be demonstrated.

The CRC 102A computer, carried on our inventory at \$101,000, is recallable by Sandia Corporation at any time. In negotiating the loan, Sandia retained the right to put problems on the computer and agreed to provide major maintenance; the University agreed to provide minor maintenance.

MANIAC I digital computer was received as excess property from Los Alamos Scientific Laboratory through DHEW (the Department of Health, Education, and Welfare) in the 1957-1958 academic year. MANIAC I has not as yet been operated. During the 1958-1959 academic year, DHEW raised the question of recalling MANIAC I since the University had failed to get it into operation within one year after assignment. MANIAC I has now been completely reassembled, its various parts are under test and checkout, and it may become operable during the 1959-1960 academic year.

6. Loan of Scientific Equipment: During fiscal year 1959, the indefinite loan of scientific equipment with a value of approximately \$189,000 (including CRC 102A computer) was negotiated with Sandia Corporation. This equipment is on loan under terms of the Educational-Aids Program between the University and Sandia Corporation for specific use by the University in education and in prosecuting certain research projects for the Corporation. The

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departments benefiting most through these equipment loans are Chemistry, Electrical Engineering, Mechanical Engineering, Physics, and Psychology. To a lesser extent, the departments of Biology, Civil Engineering, and Chemical Engineering have also benefited.

In addition to scientific equipment from Sandia Corporation, \$67,775 representing scientific equipment on indefinite loan from Los Alamos Scientific Laboratory is also carried on our inventory. Scientific equipment approximating \$375,000 in value has been made available to the University for teaching and research and has proved of great value to the faculty and the University.

7. Rocky Mountain Science Council: Following some years of discussions among college and university representatives of the Rocky Mountain area, the RMSC (Rocky Mountain Science Council) was established in December 1958 during a meeting at the University of Denver in Denver, Colorado. Briefly, the purpose of RMSC is to foster and promote education and research in the sciences, and to act as an advisory group to the directors of Associated Rocky Mountain Universities. RMSC held three meetings during the academic year 1958-1959. Charter members of RMSC are listed in Appendix "D."

RMSC is a first step in promoting large research facilities in

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Rocky Mountain area. Upon recommendation of RMSC, the presidents of the member colleges and universities, under the non-profit corporation laws of the state of Colorado, incorporated as the Associated Rocky Mountain Universities (ARMU) in May 1959. ARMU will act as a legal corporation, writing contracts and handling finances for large governmental research facilities.

8. Security Activities: The University was granted a facility security clearance by the Department of Defense (DOD) in March 1958. The facility clearance is required so that classified research may be prosecuted for DOD. During the academic year, five research projects with some degree of classification were active on campus; and at the end of June 1959, there were 54 University members (regents, administrators, faculty, staff, and students) with personal security clearances to the level of secret. In addition to DOD security clearances, a number of the faculty hold Atomic Energy Commission "Queen" security clearances.

The Director of Research acts as security officer for the University. These duties are time consuming and "ornery." It is hoped that the details of security clearances, such as personal questionnaires, fingerprinting, etc., may be transferred to other personnel during the coming year.

PLANS FOR THE FUTURE

9. Sponsored Research Policy: All institutions of higher learning subscribe to primary and essential aims: (a) the extension of

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the boundaries of knowledge; (b) the conservation of knowledge already acquired; (c) the diffusion of knowledge through teaching, publication, and other methods of communication; (d) the performing of public service to the extent that such service is compatible with other primary aims.

The extension of the boundaries of human knowledge is accomplished primarily through research, especially basic, uncommitted research. The results of such research are extended through re-examination and criticism by competent colleagues.

Educational institutions are the principal sponsors of basic research and uncommitted scholarship. They therefore carry a heavy responsibility to encourage the free exercise of the intellectual curiosity of their faculty and students as their special share of the nation's research activities. Fine distinctions between basic and applied research are difficult to draw, and educational institutions should not be limited by narrow or dogmatic definitions of what is appropriate research. Investigators should be free to pursue that kind of research which contributes best to their educational objectives and to the fields of investigation they embrace. Classified research projects and, to a lesser extent, research which involves classified information or restrictions on the dissemination of knowledge are justified in an educational institution only by the demands of national security or when such projects contribute best to the fields of investigation which the investigator

embraces. Today, research in educational institutions is crucial to the national welfare, and toward this end sponsored research is indispensable and must be continued. Federal support of such research, however, is not now essential to the survival of higher education and should not be permitted to become so.

Sponsored research has provided many advantages to educational institutions. It has expanded the volume of research and has contributed toward the advanced education of many students, particularly in science. Our graduate school could not have maintained its current enrollment and output had not sponsored research increased its capacity and provided employment for graduate students who were able but in need of financial aid. Sponsored research has in some instances improved the quality of graduate education by providing equipment that might not have been available otherwise. It has increased the scientific productivity of our faculty by furnishing them with student assistants and equipment. Sponsored research projects on a large scale have enabled many of our graduate students to acquire techniques which can be learned only through participation in organized team research. The result is that our University is turning out men and women who are better qualified for work in research laboratories than they would have been without the experience gained by participation in large-scale sponsored research projects.

The policy and accomplishments of sponsored research in our



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University have been such that I, personally, see no desirability for a major change in that policy. For the foreseeable future, sponsored research should continue to be initiated by the individual in those fields of investigation which he embraces. There appears to be no immediate need to establish a research institute type of organization as a division of the University which does not function as an integral part of the University's educational program and policy. Efforts, however, are being directed toward promoting large-scale research projects which extend over longer periods of time. I do not see the need for extending classified research to short-term "hardware" types of objectives unless they can be segregated to off-campus locations.

To summarize, there are no plans for major changes in the existing sponsored research policy, except to extend and enlarge our research effort during the 1959-1960 academic year.

Sponsored research at the University has been increased by a factor of approximately four during the last two academic years. Research cannot be expected to increase at this rate in the future without the addition of qualified and interested personnel. In the academic year 1958-1959, no member of the faculty who was qualified, sought assistance, and prepared an acceptable proposal failed to receive aid for a sponsored research project. Our research efforts will increase as new faculty are appointed and as more faculty become interested in research and seek assistance

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from sponsoring agencies.

10. New Mexico Appropriations for Fundamental Research: States derive many benefits from the direct support of research activities in colleges and universities, and most states make substantial appropriations for the research activities of their educational institutions. Research activities in state-owned educational institutions afford the whole community a clearing house of ideas and a reservoir of technical strength and "know-how" from which the citizens benefit. Many a state can measure its development in industry and business, improved standards of living, cultural progress, and increased tax receipts in relation to its use of the reservoirs of ideas and skills available from well-supported research projects in its educational institutions. The citizens of the state of New Mexico, therefore, have a direct stake in the support of research at those educational institutions within its jurisdiction.

As nearly as can be estimated from studies of the National Science Foundation, the money expended annually in the United States for fundamental research is approximately \$200 million. This is approximately five-hundredths of one percent (0.05%) of the gross national product. The University Bureau of Business Research has calculated the gross state product at \$1.43 billion in 1954. Using the gross personal income for 1954 and 1959, and extrapolating to 1959, the gross state product for 1959 is estimated at

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\$1.859 billion. If the New Mexico legislature appropriated money for research in its state-owned educational institutions on a basis equal to the national effort, the appropriation would approximate \$929,500 annually. This may be taken as a guide line in seeking legislative appropriations for the support of research in all New Mexico educational institutions. Since our University receives about 50% of the total student enrollment in New Mexico, a research appropriation of \$450,000 annually for UNM would be in line with the national effort.

11. Problems of a Non-Profit Research Institute: There has been some discussion of the desirability of a non-profit research institute at the University. There are many problems in this step, foremost among them the attack of certain private laboratory groups on the tax exemption privileges of independent research institutions and the colleges and universities that do research and development work for industry and government. The attack has been against all institutions conducting research and development work whose results are not immediately publishable and made fully available to the public. Several research institutions operate as divisions of colleges or universities: the Armour Research Foundation of the Illinois Institute of Technology, the Cornell Aeronautical Laboratories, Inc., the Texas A&M Research Foundation, the University of Oklahoma Research Institute, etc. Other research institutes, completely independent of colleges and universities are, for example, Southwest Research Institute, Midwest Research Institute, Southern

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Research Institute, Battelle Memorial Institute, Mellon Industrial Research Institute, and Stanford Research Institute. The lobbying activities of private laboratory groups in Washington have been effectively counteracted by representatives of colleges and universities, but it now appears that the independent research institutions are themselves somewhat vulnerable. The emphasis of the lobby is to tax income on work done for private industrial firms, where the work is confidential and of exclusive benefit to the sponsor. The strategy seems to be that if taxation can be effected in the case of independent research institutions, it can also be extended into university-related research of a similar character. At the present time, there seems to be no immediate danger to the research program at the University of New Mexico, but the possibility of taxation cannot be ignored if a non-profit research institute type of program should develop on our campus. Additional information on this point has been released in Federal Register, Vol. 24, No. 125, June 26, 1959, part 301, paragraph 1.501 (c) 3-1 (d) 4c.

### ADMINISTRATIVE CHANGES

12. Administrative Appointments and Separations: No administrative changes in the Office of the Director of Research have been made in the academic year 1958-1959. W. W. Whisler was appointed computer programmer and operator in the digital computer program.

### PROFESSIONAL ACTIVITIES

13. Director of Research: The Director of Research participated in

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the following activities during the academic year:

- a. Chairman of the educational committee, American Society for Metals.
- b. Member of executive committee, American Society for Metals, Albuquerque chapter.
- c. University delegate, Rocky Mountain Science Council.
- d. Member of executive committee, Rocky Mountain Science Council.
- e. Member of a committee (of four) which wrote the constitution and bylaws establishing the Rocky Mountain Science Council.
- f. Participated in the establishment of the Associated Rocky Mountain Universities, an organization of twenty universities in the Rocky Mountain area created to operate large-scale research facilities.
- g. Wrote, on invitation, a monograph - "Careers in the Atomic Energy Industry" - published by the Bellman Publishing Co., Cambridge, Mass., Dec. 1958, 32 pages.
- h. Speaker at the University Alumni Association - "Research Activities at the University."
- i. Attended three meetings of the Rocky Mountain Science Council.
- j. Attended five technical meetings of the Albuquerque chapter of American Society for Metals.
- k. Speaker at colloquium at Sandia Corporation - "Recrystallization and Grain Growth Phenomena in Cold Worked

Metals."

- l. Speaker at Los Alamos chapter of American Society for Metals - "Recrystallization and Grain Growth Phenomena in Cold Worked Metals."
- m. Attended Atomic Energy Committee meeting (Gatlinburg, Tennessee) on nuclear science and engineering.
- n. Attended two meetings of the Southwest section of American Institute of Mining and Metallurgical Engineers.
- o. Member of University committees:
  - (1) Administrative Committee
  - (2) University Research Committee
- p. Participated in research project - "Advancement of Space Technology" - sponsored by Air Force Special Weapons Center, Kirtland Air Force Base.
- q. Attended one-week school on industrial security, sponsored by Department of Defense, (San Francisco, California).

# APPENDIX "A"

## DETAILS OF CONTRACT RESEARCH FOR FISCAL 1959

| <u>ANTHROPOLOGY</u>                            | <u>SPONSORING<br/>AGENCY</u> | <u>ACCOUNT<br/>NUMBER</u> | <u>TOTAL CON-<br/>TRACT</u> | <u>SALARIES</u> | <u>EXPENSES</u> | <u>OVERHEAD</u> | <u>TOTAL RE-<br/>IMBURSEMENT</u> | <u>STATUS</u> |
|--|------------------------------|---------------------------|-----------------------------|-----------------|-----------------|-----------------|----------------------------------|---------------|
| Mescalero Apache<br>Land Claims                | Mesc.-Apache<br>Tribe        | 290-154*                  | \$ 24,318.00                | \$ 1,229.00     | \$ 4,319.07     | None            | \$ 5,548.07                      | Complete      |
| Juvenile Delinquency<br>Jemez Pueblo           | Jicarilla-<br>Apache Tribe   | 290-200                   | 15,200.00                   | 7,011.47        | 535.35          | \$ 2,082.72     | 9,629.54                         | Active        |
| Unspecified                                    | NIH                          | 290-212                   | 1,966.00                    |                 | 585.60          |                 | 585.60                           | Active        |
| Anthropo-Psychoanaly-<br>tic Techniques        | Nat. Inst. of<br>Health      | 290-224                   | 75,188.00                   | 1,289.75        | 1,540.87        | 9,807.00        | 12,637.62                        | Active        |
| Theory of Communica-<br>tive Behaviour         | AFOSR                        | 290-221*                  | 5,119.54                    | 340.91          | 95.44           | 112.50          | 548.85                           | Active        |
| TOTALS, Anthropology                           |                              |                           | \$121,791.54                | \$9,871.13      | \$7,077.23      | \$12,002.22     | \$28,950.58                      |               |
| <u>BIOLOGY</u>                                 |                              |                           |                             |                 |                 |                 |                                  |               |
| Endocrine Regulation<br>Electrolyte Metabolism | NIH                          | 290-97*                   | 2,300.00                    |                 | 8.36            |                 | 8.36                             | Complete      |
| Inter-relationship of<br>N.M. Mammals          | NSF                          | 290-151*                  | 8,300.00                    | 1,794.22        | 722.16          | 328.40          | 2,844.78                         | Active        |
| Root Systems of<br>Desert Plants               | NSF                          | 290-155                   | 9,100.00                    | 4,094.25        | 1,396.03        | 474.77          | 5,965.05                         | Active        |
| Ecological Survey of<br>Pseudoscorpions        | NSF                          | 290-186*                  | 4,400.00                    | 1,200.00        | 1,017.24        | 285.00          | 2,502.24                         | Active        |
| Subterranean Plants<br>of Desert               | NSF                          | 290-228*                  | 9,500.00                    |                 |                 |                 |                                  | Active        |
| Ecology of Arch. &<br>Historical Remains       | Am. Res.Schl.                | 290-183                   | 1,600.00                    | 1,600.00        |                 |                 | 1,600.00                         |               |
| TOTALS, Biology                                |                              |                           | \$35,200.00                 | \$8,688.47      | \$3,143.79      | \$1,088.17      | \$12,920.43                      |               |

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| <u>CHEMICAL ENGINEERING</u> | <u>SPONSORING<br/>AGENCY</u> | <u>ACCOUNT<br/>NUMBER</u> | <u>TOTAL CON-<br/>TRACT</u> | <u>SALARIES</u> | <u>EXPENSES</u> | <u>OVERHEAD</u> | <u>TOTAL RE-<br/>IMBURSEMENT</u> | <u>STATUS</u> |
|-----------------------------|------------------------------|---------------------------|-----------------------------|-----------------|-----------------|-----------------|----------------------------------|---------------|
| Physical Properties         |                              |                           |                             |                 |                 |                 |                                  |               |
| Ordnance Components         | NOTS                         | 290-219                   | \$17,239.00                 | \$ 5,770.41     |                 | \$1,663.38      | \$ 7,433.79                      | Active        |
| Space Technology            | AFSWC                        | 290-193                   | 23,850.00                   | 9,659.99        | \$477.09        | 2,929.60        | 13,066.68                        |               |
| TOTAL CHEM. ENG.            |                              |                           | \$41,089.00                 | \$15,430.40     | \$477.09        | \$4,592.98      | \$20,500.47                      |               |
| <u>CHEMISTRY</u>            |                              |                           |                             |                 |                 |                 |                                  |               |
| Dilute Solutions of         |                              |                           |                             |                 |                 |                 |                                  |               |
| Radioisotopes               | IASI                         | 290-69*                   | \$44,623.69                 | \$14,374.60     | \$ 160.79       | \$4,348.87      | \$18,884.26                      | Com.          |
| Scintillation Solutes       | AEC                          | 290-230                   | 18,425.00                   | 1,275.68        |                 |                 | 1,275.68                         | Active        |
| Synthesis of Medicinal      |                              |                           |                             |                 |                 |                 |                                  |               |
| Compounds                   | Eli Lilly                    | 290-184                   | 2,500.00                    | 1,333.28        | 120.67          |                 | 1,453.95                         | Com.          |
| Cinnolines as Anti-         |                              |                           |                             |                 |                 |                 |                                  |               |
| tumor Agents                | NIH                          | 290-209                   | 8,510.00                    | 1,200.00        | 1.80            |                 | 1,201.80                         | Active        |
| Alkali Halides Chro-        |                              |                           |                             |                 |                 |                 |                                  |               |
| mate Salts                  | SC                           | 290-194*                  | 8,022.80                    | 2,645.44        | 285.77          | 780.40          | 3,711.61                         | Active        |
| Intramolecular Energy       |                              |                           |                             |                 |                 |                 |                                  |               |
| Transfer                    | SC                           | 290-201*                  | 33,098.32                   | 4,754.23        | 3,868.14        | 1,426.29        | 10,048.66                        | Active        |
| Radioactive Tracers         | SC                           | 290-215                   | 10,285.45                   | 225.00          |                 | 200.00          | 425.00                           | Active        |
| Nucleic Acid Antagon-       |                              |                           |                             |                 |                 |                 |                                  |               |
| ists                        | NIH                          | 290-128*                  | 16,819.00                   | 3,914.19        | 1,709.29        | 324.00          | 5,947.48                         | Active        |
| Analogs of Lysergic         |                              |                           |                             |                 |                 |                 |                                  |               |
| Acid                        | Eli Lilly                    | 290-160                   | 2,500.00                    | 1,749.66        | 279.75          |                 | 2,029.41                         | Com.          |
| SKF Postdoctoral            | SKF                          | 290-182                   | 15,000.00                   | 6,071.55        | 606.40          |                 | 6,677.95                         | Active        |
| Spectroscopy                | Res. Corp.                   | 290-204                   | 6,400.00                    |                 | 6,400.00        |                 | 6,400.00                         |               |
| TOTAL CHEMISTRY             |                              |                           | \$166,184.26                | \$37,543.63     | \$13,432.61     | \$7,079.56      | \$58,055.80                      |               |
| <u>CIVIL ENGINEERING</u>    |                              |                           |                             |                 |                 |                 |                                  |               |
| Strength of Concrete        |                              |                           |                             |                 |                 |                 |                                  |               |
| Beams                       | NSF                          | 290-136*                  | \$10,200.00                 |                 | \$ 26.75        | \$ 2.68         | \$ 29.43                         | Com.          |
| Bituminous Pavement         | N.M. Hiway                   | 290-222                   | 8,745.96                    | \$2,510.00      | 115.54          | 783.12          | 3,408.66                         | Active        |
| TOTALS - C.E.               |                              |                           | \$18,945.96                 | \$2,510.00      | \$142.29        | \$785.80        | \$3,438.09                       |               |



Report, Appendix "A" - Continued

|  | <u>SPONSORING</u><br><u>AGENCY</u> | <u>ACCOUNT</u><br><u>NUMBER</u> | <u>TOTAL CON-</u><br><u>TRACT</u> | <u>SALARIES</u>    | <u>EXPENSES</u>    | <u>OVERHEAD</u>    | <u>TOTAL RE-</u><br><u>IMBURSEMENT</u> | <u>STATUS</u> |
|--|------------------------------------|---------------------------------|-----------------------------------|--------------------|--------------------|--------------------|--|---------------|
| <u>ECONOMICS</u>                           |                                    |                                 |                                   |                    |                    |                    |  |               |
| Value of Water                             | Res. Future                        | 290-62*                         | \$ 50,000.00                      | \$ 9,618.86        | \$ 570.89          |                    | \$ 10,189.75                           | Active        |
| <u>ELECTRICAL ENGINEERING</u>              |                                    |                                 |                                   |                    |                    |                    |  |               |
| Alloy Power Transistors                    | SC                                 | 290-135*                        | 39,534.20                         | 2,363.93           | 399.84             | \$ 7,608.08        | 10,371.85                              | Complete      |
| Analog to Digital Converter                | ONR                                | 290-149                         | 31,814.26                         | 5,609.56           | 2,395.25           | 1,673.87           | 9,678.68                               | Complete      |
| Transistor Distributed Amplifier           | NSF                                | 290-153                         | 9,000.00                          | 1,984.02           | 264.37             |                    | 2,248.39                               | Complete      |
| Microwave Propagation                      | Army Ord.                          | 290-167*                        | 56,766.51*                        | 14,387.12          | 902.22             | 3,295.33           | 18,584.67                              | Active        |
| Radar Return                               | Naval Ord.                         | 290-190                         | 41,790.00                         | 23,076.59          | 4,199.51           | 6,920.32           | 34,196.42                              | Active        |
| Design Data File                           | SC                                 | 290-173                         | 31,579.29                         | 7,945.74           | 229.97             | 2,331.91           | 10,507.62                              | Complete      |
| Electromagnetic Radiation                  | AFARDC                             | 290-163*                        | 102,713.29                        | 11,443.33          | 1,494.46           | 3,522.89           | 16,460.68                              | Active        |
| Submarine Communications                   | ONR                                | 290-213*                        | 95,403.00                         | 2,218.68           | 174.32             | 651.79             | 3,044.79                               | Active        |
| Indium Antimonide Semiconductors           | SC                                 | 290-197*                        | 12,384.03                         | 7,200.71           | 3,700.76           | 2,124.19           | 13,025.66                              | Active        |
| Radiation Resistant Semiconductors         | DOFL                               | 290-225                         | 13,098.00                         | 225.00             | 5.16               | 70.20              | 300.36                                 | Active        |
| Electrical Properties Conductors           | SC                                 | 290-198                         | 10,043.34                         | 2,348.69           | 221.20             | 684.79             | 3,254.68                               | Active        |
| Electronic Distance Measuring Systems      | SC                                 | 290-207                         | 18,292.58                         | 7,707.53           | 46.38              | 2,312.25           | 10,066.16                              | Active        |
| High Frequency Transistors                 | SC                                 | 290-208                         | <u>12,758.93</u>                  | <u>2,740.66</u>    | <u>652.89</u>      | <u>855.09</u>      | <u>4,248.64</u>                        | Active        |
| <u>TOTAL - ELEC. ENG.</u>                  |                                    |                                 | <u>\$475,177.43</u>               | <u>\$89,251.56</u> | <u>\$14,686.33</u> | <u>\$32,050.71</u> | <u>\$135,988.60</u>                    |               |
| <u>ELEMENTARY EDUCATION</u>                |                                    |                                 |                                   |                    |                    |                    |  |               |
| Adjustment of Indian & non-Indian children | DHEW                               | 290-169*                        | \$65,545.00                       | \$15,174.58        | \$4,517.30         |                    | \$19,691.88                            | Active        |
| <u>GEOGRAPHY</u>                           |                                    |                                 |                                   |                    |                    |                    |  |               |
| Land Claims                                | Jicar. Apache Tribe                | 290-210*                        | 18,370.00                         | 2,811.99           | 1,426.97           | 843.60             | 5,082.56                               | Active        |

Report, Appendix "A" - Continued

|  | <u>SPONSORING</u><br><u>AGENCY</u> | <u>ACCOUNT</u><br><u>NUMBER</u> | <u>TOTAL CON-</u><br><u>TRACT</u> | <u>SALARIES</u> | <u>EXPENSES</u> | <u>OVERHEAD</u> | <u>TOTAL RE-</u><br><u>IMBURSEMENT</u> | <u>STATUS</u> |
|--|------------------------------------|---------------------------------|-----------------------------------|-----------------|-----------------|-----------------|--|---------------|
| <u>GEOLOGY</u>                         |                                    |                                 |                                   |                 |                 |                 |  |               |
| Crystal Structure                      | SC                                 | 290-234                         | \$9,826.85                        | \$245.83        |                 | \$154.10        | \$399.93                               | Active        |
| <u>INTER-AMERICAN AFFAIRS</u>          |                                    |                                 |                                   |                 |                 |                 |  |               |
| Political Developments                 | Senate<br>Committee                | 290-223                         | 6,900.00                          | \$2,501.42      | \$659.58        | \$860.50        | \$4,021.50                             |               |
| <u>MATHEMATICS</u>                     |                                    |                                 |                                   |                 |                 |                 |  |               |
| Math Studies                           | HADC                               | 290-141*                        | \$19,329.00                       | \$1,948.05      |                 | \$584.44        | \$2,532.49                             | Com.          |
| Free Boundaries                        | Army Ord.                          | 290-162*                        | 38,760.16                         | 9,622.36        | 285.42          | 2,664.98        | 12,572.76                              | Active        |
| Partially Ordered<br>Spaces            | NSF                                | 290-172*                        | 32,500.00                         | 8,155.53        | 1,498.89        | 1,182.22        | 10,836.64                              | Active        |
| Differential & Inte-<br>gral Equations | SC                                 | 290-218*                        | 15,557.02                         | 2,378.47        |                 | 742.07          | 3,120.54                               | Active        |
| Trigonometric Series                   | SC                                 | 290-216                         | <u>1,773.01</u>                   | <u>1,345.50</u> |                 | <u>419.79</u>   | <u>1,765.29</u>                        | Com.          |
| TOTALS - MATHEMATICS                   |                                    |                                 | \$107,919.19                      | \$23,449.91     | 1,784.31        | \$5,593.50      | \$30,827.72                            |               |
| <u>MECHANICAL ENGINEERING</u>          |                                    |                                 |                                   |                 |                 |                 |  |               |
| Los Alamos Tests                       | IASL                               | 290-20*                         | 81,486.00                         | 16,341.23       | 509.12          | 4,902.37        | 21,752.72                              | Active        |
| Supersonic Wind Tunnel                 | SC                                 | 290-205*                        | 23,543.25                         | 3,116.17        | 541.02          | 934.86          | 4,592.05                               | Active        |
| Thickwalled Cylinders                  | SC                                 | 290-220                         | <u>19,894.60</u>                  | <u>1,016.84</u> | <u>4.62</u>     | <u>234.08</u>   | <u>1,255.54</u>                        | Active        |
| TOTALS - MECHANICAL ENG.               |                                    |                                 | \$124,923.85                      | \$20,474.24     | 1,054.76        | \$6,071.31      | \$27,600.31                            |               |
| <u>PHYSICS</u>                         |                                    |                                 |                                   |                 |                 |                 |  |               |
| Atmospheric Ozone                      | AFOSR                              | 290-84*                         | \$105,203.00                      | \$ 9,946.58     | \$15,090.92     | \$1,570.51      | \$26,608.01                            | Active        |
| Ozone Sonde                            | USWB                               | 290-126                         | 9,000.00                          |                 | 1,131.26        |                 | 1,131.26                               | Com.          |
| Ozone Recorder                         | USWB                               | 290-127                         | 10,000.00                         | 441.29          | 994.17          |                 | 1,435.46                               | Com.          |
| Variation of Atmos-<br>pheric Pressure | NSF                                | 290-139*                        | 27,000.00                         | 4,012.94        | 3,557.60        |                 | 7,570.54                               | Com.          |
| Cosmic Radiation                       | AFOSR                              | 290-148*                        | 71,500.00                         | 14,547.20       | 8,240.04        | 3,636.81        | 26,424.05                              | Active        |
| Zodiacal Light                         | Res. Corp.                         | 290-166                         | 8,375.00                          | 1,600.00        | 3,917.50        |                 | 5,517.50                               | Com.          |
| Penetrating Showers                    | NSF                                | 290-176                         | 9,800.00                          | 3,633.00        | 1,781.97        |                 | 5,414.97                               | Com.          |
| Telemetering Sonde                     |                                    |                                 |                                   |                 |                 |                 | 1,457.97                               | Com.          |
| Atmos. Ozone                           | WSWB                               | 290-181                         | 2,500.00                          | 574.22          | 883.75          |                 |  |               |
| Small Conductors                       | NSF                                | 290-196*                        | 25,000.00                         | 4,367.59        | 2,731.31        | 265.25          | 7,364.15                               | Active        |

Report, Appendix "A" - Continued

|                            | <u>SPONSORING</u><br><u>AGENCY</u> | <u>ACCOUNT</u><br><u>NUMBER</u> | <u>TOTAL CON-</u><br><u>TRACT</u> | <u>SALARIES</u> | <u>EXPENSES</u> | <u>OVERHEAD</u> | <u>TOTAL RE-</u><br><u>IMBURSEMENT</u> | <u>STATUS</u> |
|----------------------------|------------------------------------|---------------------------------|-----------------------------------|-----------------|-----------------|-----------------|--|---------------|
| <u>PHYSICS - CONTINUED</u> |                                    |                                 |                                   |                 |                 |                 |  |               |
| Cosmic Radiation           | NSF                                | 290-189*                        | \$ 33,900.00                      | \$ 4,264.27     | \$ 13,314.38    | \$ 366.37       | \$ 17,945.02                           | Active        |
| Hydromagnetic Theory       | SC                                 | 290-211                         | 8,151.05                          | 597.93          |                 | 343.85          | 941.78                                 | Active        |
| Zodiacal Light             | NSF                                | 290-229*                        | 22,900.00                         | 500.00          | 2.00            |                 | 502.00                                 | Active        |
| Ozone Sonde No. 2          | USWB                               | 290-191                         | 2,200.00                          |                 | 2,121.15        |                 | 2,121.15                               | Complete      |
| IASL Special               | IASL                               | 290-192                         | 4,800.00                          | 1,081.30        | 1,831.17        | 324.40          | 3,236.87                               | Active        |
|                            |                                    |                                 | \$ 340,329.05                     | \$ 45,566.32    | \$ 55,597.22    | \$ 6,507.19     | \$ 107,670.73                          |               |
| <u>PSYCHOLOGY</u>          |                                    |                                 |                                   |                 |                 |                 |  |               |
| Neurophysiology            | NSF                                | 290-164*                        | \$ 13,400.00                      | \$ 6,466.67     | \$ 295.27       | \$              | \$ 6,761.94                            | Active        |
| Interdisciplinary Task     | AFOSR                              | 290-150*                        | 158,952.00                        | 50,189.91       | 2,660.36        | 767.69          | 53,617.96                              | Complete      |
| Handedness in Rat          | AFOSR                              | 290-199*                        | 24,419.20                         | 7,599.94        | 975.07          | 2,634.00        | 11,209.01                              | Active        |
| Human Ecology              | Society                            |                                 |                                   |                 |                 |                 |  |               |
|                            | Human Ecology                      | 290-185                         | 5,000.00                          | 4,400.00        |                 |                 | 4,400.00                               | Complete      |
| Perceptual Transfer        | SC                                 | 290-214                         | 8,685.73                          | 1,993.02        | 215.25          | 621.81          | 2,830.08                               | Active        |
| TOTAL - PSYCHOLOGY         |                                    |                                 | \$ 210,456.93                     | \$ 70,649.54    | \$ 4,145.95     | \$ 4,023.50     | \$ 78,818.99                           |               |
| GRAND TOTALS               |                                    |                                 | \$1,792,659.06                    | \$353,787.88    | \$108,716.32    | \$81,653.14     | \$544,157.34                           |               |

LEGEND

\*Contract extends more than one year

AFARDC - Air Force Air Research & Development Command  
 AFOSR - Air Force Office Scientific Research  
 AFSWC - Air Force Special Weapons Center  
 AEC - Atomic Energy Commission  
 DHEW - Dept. of Health, Education, and Welfare  
 DOFL - Diamond Ordnance Fuse Laboratory  
 HADC - Holloman Air Development Center

NIH - National Institute of Health  
 NSF - National Science Foundation  
 NOTS - Naval Ordnance Test Station  
 ONR - Office of Naval Research  
 IASL - Los Alamos Scientific Laboratory  
 SC - Sandia Corporation  
 SKF - Smith - Kline - French  
 USWB - U. S. Weather Bureau

# APPENDIX "B"

## SUMMARY OF CONTRACT RESEARCH FISCAL 1959

| <u>DEPARTMENT</u> | <u>TOTAL CONTRACTS<br/>IN FORCE *</u> | <u>FISCAL<br/>SALARIES</u> | <u>FISCAL 1959<br/>EXPENSE</u> | <u>FISCAL 1959<br/>OVERHEAD</u> | <u>TOTAL REIMBURSEMENT<br/>FISCAL 1959</u> |
|-------------------|---------------------------------------|----------------------------|--------------------------------|---------------------------------|--|
| 1. Anthropology   | \$ 121,791.54                         | \$ 9,871.13                | \$ 7,077.23                    | \$12,002.22                     | \$ 28,950.58                               |
| 2. Biology        | 35,200.00                             | 8,688.47                   | 3,143.79                       | 1,088.17                        | 12,920.43                                  |
| 3. Chem. Eng.     | 41,089.00                             | 15,430.40                  | 477.09                         | 4,592.98                        | 20,500.47                                  |
| 4. Chemistry      | 166,184.26                            | 37,543.63                  | 13,432.61                      | 7,079.56                        | 58,055.80                                  |
| 5. Civil Eng.     | 18,945.96                             | 2,510.00                   | 142.29                         | 785.80                          | 3,438.09                                   |
| 6. Economics      | 50,000.00                             | 9,618.86                   | 570.89                         |                                 | 10,189.75                                  |
| 7. Elec. Eng.     | 475,177.43                            | 89,251.56                  | 14,686.33                      | 32,050.71                       | 135,988.60                                 |
| 8. Elem. Educ.    | 65,545.00                             | 15,174.58                  | 4,517.30                       |                                 | 19,691.88                                  |
| 9. Geography      | 18,370.00                             | 2,811.99                   | 1,426.97                       | 843.60                          | 5,082.56                                   |
| 10. Geology       | 9,826.85                              | 245.83                     |                                | 154.10                          | 399.93                                     |
| 11. Inter. Amer.  | 6,900.00                              | 2,501.42                   | 659.58                         | 860.50                          | 4,021.50                                   |
| 12. Mathematics   | 107,919.19                            | 23,449.91                  | 1,784.31                       | 5,593.50                        | 30,827.72                                  |
| 13. Mech. Eng.    | 124,923.85                            | 20,474.24                  | 1,054.76                       | 6,071.31                        | 27,600.31                                  |
| 14. Physics       | 340,329.05                            | 45,566.32                  | 55,597.22                      | 6,507.19                        | 107,670.73                                 |
| 15. Psychology    | <u>210,456.93</u>                     | <u>70,649.54</u>           | <u>4,145.95</u>                | <u>4,023.50</u>                 | <u>78,818.99</u>                           |
| TOTALS            | \$1,792,659.06                        | \$353,787.88               | \$108,716.32                   | \$81,653.14                     | \$544,157.34                               |

\*Not on an annual basis - total contracts active in Fiscal 1959 - some of which are for more than one year duration.

## APPENDIX "C"

## PATENT POLICY

(Approved by the Regents and by the Policy Committee

on October 30, 1959)

Recognizing that patentable inventions may result from any research done at the University, and recognizing the desirability of proper prosecution of patents resulting from such research, the following policy is established:

(i) DEFINITIONS As used in this statement of policy:

(a) Staff member shall mean any faculty member or any other person associated with the teaching or research staffs of the University:

(b) President shall mean the President of the University or his duly authorized representative.

(ii) All staff members shall be encouraged to disclose to the President all discoveries which result from their research which, in their opinion, may lead to valuable and patentable inventions.

(iii) PATENT MANAGEMENT AGENT. Whenever practicable, the patent management agent shall be a non-profit management organization such as Research Corporation or a similar institution.

(iv) PATENT COMMITTEE. The Patent Committee shall be appointed by the Faculty Policy Committee and shall consist of five members of the Faculty. In considering a specific case, the Patent Committee shall appoint one or two consultants who, in the judgment of the Committee, have specialized knowledge in the area being considered.

(v) PROCEDURE. Upon a disclosure by a staff member to the President, the following procedure shall be followed:

(a) The President may submit the invention to the patent management agent for its consideration with regard to prosecution of patents.

(b) The inventor shall receive a percentage of any income which the University obtains from the exploitation of the inventions, such percentage to be determined by negotiation between the President and the inventor.

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- (c) If, for any reason, the invention is not submitted to the patent management agent within two months of disclosure to the President, the matter shall be referred to the Patent Committee for consideration and recommendation to the parties.
- (d) The Patent Committee shall make its recommendations within four weeks of the time the matter is referred to it.
- (e) In making its recommendations to the parties, the Patent Committee shall consider all of the various equities involved.

(vi) SPONSORED RESEARCH. Patent ownership rights of the inventor shall be deemed to be infeasible except in the event that the discovery was made as a direct result of a specific research project sponsored and financed by agencies outside of the University or by the University, under the agreement with either specifying the disposition of the rights as to the specific project.

(vii) CO-INVENTORS. Inventions conceived by more than one inventor shall be dealt with on the same basis as those conceived by a single inventor. As between themselves, however, co-inventors shall be free to agree to any division of rights. Advance written arrangements for such division may be made between the interested parties.

(viii) USE OF FUNDS. Insofar as reasonably possible, funds received by the University as a result of inventions shall be used to sponsor additional research.

(ix) FAILURE TO PROSECUTE. In the event that the patent management agent fails to communicate through the University to the inventor its decision to proceed to obtain a patent within nine months after the disclosure to the President, the inventor shall have the right to initiate patent proceedings as an individual.

(x) UNIVERSITY USE OF PATENTS. The University shall reserve the right in so far as possible to produce for its own use items patented under any of the provisions above. Such use shall be royalty-free.

(xi) NEGOTIATIONS WITH OUTSIDE AGENCIES. Negotiations with outside agencies shall be carried on in such a way as to obtain for the inventor and the University the maximum possible rights. None of the provisions of this policy shall be interpreted in such a way as to preclude the making of or limit the terms of an agreement with an outside agency relating to sponsored research.

## APPENDIX "D"

## MEMBERSHIP OF ROCKY MOUNTAIN SCIENCE COUNCIL

1958-59

| <u>Institution</u>                   | <u>Delegate</u>   |
|--------------------------------------|---|
| Air Force Missile Development Center | Dr. Knox Millsaps<br>Chief Scientist  |
| University of Alaska                 | Dr. C. T. Elvey<br>Geophysical Institute                                      |
| University of Arizona                | Dr. Herbert D. Rhodes,<br>Dean of Grad. School                                |
| Arizona State College                | Dean Lee P. Thompson,<br>College of A&S                                       |
| University of Colorado               | Dr. Willis Worcester<br>Asst. Dean, Grad. School                              |
| Colorado School of Mines             | Dr. A. R. Jordan<br>Dean, Grad. School  |
| Colorado State University            | Dr. Maurice Albertson<br>Direc., CSU Research Found.                          |
| University of Denver                 | Shirley A. Johnson, Jr.<br>Direc., Denver Research Inst.                      |
| University of Idaho                  | Dr. H. Walter Steffens<br>Executive Dean                                      |
| Los Alamos Scientific Laboratory     | William H. Crew, ADSP   |
| Montana School of Mines              | Dr. Kenneth N. McLeod<br>Head, Dept. of Chemistry                             |
| Montana State College                | Dr. Charles C. Bradley<br>Dean of Science                                     |
| Montana State University             | Dr. C. R. Jeppesen<br>(unable to attend at last<br>moment because of weather) |
| National Bureau of Standards         | Dr. Frederick W. Brown<br>Director  |

## Membership of Rocky Mountain Science Council

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|  |  |
|--|--|
| Northern Arizona Society of<br>Science & Art, Inc. | Dr. Edward B. Danson<br>Asst. Director             |
| University of New Mexico                           | Dr. Harold L. Walker<br>Director of Research       |
| New Mexico Highlands University                    | Dr. E. Gerald Meyer                                |
| New Mexico State University                        | Dr. Russell K. Sheburne<br>Chief Physicist         |
| Sacramento Peak Observatory                        | Robert B. Hunter                                   |
| University of Utah                                 | Dr. Carl J. Christensen<br>Coordinator of Research |
| Utah State University                              | Dr. J. Stewart Williams<br>Dean, Grad. School      |
| U. S. Naval Observatory<br>(Flagstaff Station)     | Dr. Arthur A. Hoag<br>Director                     |
| University of Wyoming                              | Dr. Samuel W. Harding                              |

Executive Committee

Robert J. Low, Chairman

Frederick W. Brown  
J. T. Elvey  
Herbert D. Rhodes

Carl J. Christensen  
Harold L. Walker  
Robert B. Hunter

Secretary of the Council

Dr. David M. Gates .



# APPENDIX "E"

## SANDIA RESEARCH CONTRACTS WITH UNM

| <u>Department</u> | <u>Professor</u> | <u>P.O. No.</u> | <u>Program</u>   | <u>Effective</u> | <u>Expires</u> | <u>Total Amount</u> | <u>Amount Paid UNM FY 1959</u> |
|-------------------|------------------|-----------------|--|------------------|----------------|---------------------|--------------------------------|
| Chemistry         | Crosby           | 51-5570         | Intramolecular Energy Transfer Processes   | 9/1/58           | 9/1/60         | \$ 33,098.32        | \$10,023.78                    |
| EE                | Grannemann       | 51-5982         | Electrical Properties of Semiconducting Materials  | 11/6/58          | 11/6/59        | 10,043.34           | 4,095.59                       |
| Physics           | Skabelund        | 51-6328         | Theoretical Studies of Magnetohydrodynamics  | 12/12/58         | 12/12/59       | 8,151.05            | 1,445.93                       |
| Psychology        | Ellis            | 51-6540         | Effects of Stimulus Similarity and Temporal Factors in Perceptual Transfer of Training       | 2/2/59           | 2/2/60         | 8,685.73            | 2,848.06                       |
| Chemistry         | Kahn             | 51-6541         | Chemistry of Carrier-Free Radioactive Tracers  | 2/2/59           | 2/2/60         | 9,985.45            |                                |
| Math              | Kolodner Wyler   | 51-6543         | Studies of Differential, Integral and Integro-Differential Equations                         | 2/27/59          | 8/31/60        | 15,557.02           | 3,120.54                       |
| ME                | Dove Ju          | 51-7023         | Stressed State of Thick Walled Cylinders   | 3/6/59           | 6/30/60        | 19,894.60           | 1,250.92                       |
| Geology           | Rosenzweig       | 51-7864         | Preparation of Crystals and Determination of Their Crystallographic Constants and Structures | 6/16/59          | 6/16/60        | 9,826.65            |                                |
|                   |                  |                 |  |                  |                | \$115,242.16        | \$22,784.82                    |

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The Report of the Southwestern Journal of Anthropology

July 1, 1958 - June 30, 1959

Leslie Spier, Editor

Since the fiscal year overlaps the publication year, we report the issue of three parts of Volume 14 (Nos. 2, 3, and 4, Summer, Autumn, and Winter 1958) and one of Volume 15 (no. 1, Spring 1959), totaling 468 pages, containing 31 articles. The total of pages exceeds that of the previous year (382 pages) when an unexpected increase in printing cost demanded a curtailment below the 400 or more pages per volume which is our norm.

The average length of article (15 pages) is slightly less than that of the previous year (17 pages). While this is largely the result of accident, several factors influence the appearance of short (and shorter) articles. Authors tend to follow fashion: if a journal has been publishing brief articles -- perhaps by the chance that only short manuscripts are submitted -- authors conclude that only brief presentations are wanted. This has the advantage that more authors can find opportunity to publish; but care must be exercised that brevity does not result in only the inconsequential or unsustained statement finding its way into our pages. More important in the Editor's opinion --and in his efforts to establish a policy -- is the certainty that the most valuable articles are concise statements defining <sup>in</sup> a problem, assessing and collating earlier work, presenting data compactly, moving to a sustained conclusion, and perhaps indicating further lines of inquiry. It is our experience that if authors are allotted large amounts of space, they will write diffusely, adding length to no significant purpose. It is difficult to convey to authors that printing is very costly and our budget is limited. At the same time it continues to be advisable to encourage articles of sub-monographic length and also purely descriptive articles of unusual character,

both of which might otherwise not be put into the published record.

There is fashion in topic as there is in length. If by accident certain topics appear with some frequency in a journal, authors imagine that such topics are deliberately favored, where<sup>up</sup>on more of the same pour in to the editor somewhat to the exclusion of other items. A stand has to be taken against this one-sidedness even at the risk of rejecting articles worthy of publication. It is the policy of the JOURNAL to maintain as wide a topical and areal coverage as possible to see that anthropology develops as a rounded whole. Yet the Editor is at the mercy of what is voluntarily contributed: to solicit articles is to obligate oneself to print, and even with authors of known competence it is our experience that this is dangerously like signing a blank check.

The range of articles in the year's issues is reasonably comprehensive in topic and area: areal representations include materials from Mexico, Yucatan, Brazil, Ethiopia, Nigeria, East Africa, India, Philippines, New Guinea, Melanesia, Easter Island, Yugoslavia, Lapland, the Arctic, as well as North American material more immediately at hand. As in earlier years several foreign authors contributed — from Yugoslavia, Norway, and England. The most significant article is Mary Haas' demonstration of the common origin of Algonkian and Gulf languages, the first major revision in American Indian linguistics in decades and of far-reaching consequence for ethnological and archaeological interpretations.

As in prior years a number of our articles have been or are about to be reprinted. Permission to reprint is freely given since it is our desire to have the widest possible distribution of material we think worth publishing.

The Middle-East Science Cooperation Office of U.N. requested: Wolf, The Social Organization of Mecca and the Origins of Islam (v. 7, 1951); reprint in Arabic in Bulletin of Social Sciences, Cairo.

U.S. Information Agency requested: Norbeck and Benu, Japanese Usage of Terms of Relationship (v. 14, 1958); reprint in Today's Japan, Tokio.

The following are to appear in 1959 or 1960:

- Lasker, *Human Evolution in Contemporary Communities* (v. 10, 1954); reprint in *Readings on Race* (S.M. Garn, ed.; C. C. Thomas, publ.).
- Kelly, *Cocopa Attitudes and Practices with Respect to Death and Mourning* (v. 5, 1949); reprint in part in H. Feiful, *The Meaning of Death*.
- Burridge, *Social Implications of Some Tangu Myths* (v. 12, 1956); reprint in K. O. L. Burridge, *Mambu: a Melanesian Millennium*.
- Swadesh, *Linguistics as an Instrument of Prehistory* (v. 15, 1959); reprint in *Reader in Anthropological Linguistics* (D. H. Hymes, ed.; Row, Peterson and Co., publ.).

Record should be made here that through the years many of our authors have voiced their praise of the faithful reproduction of their writings and the excellence of printing in the JOURNAL, for which credit is due the staff of the University Printing Plant.

In Spring 1957 the edition was increased from 1000 to 1100 copies. Since 1073 copies of the Spring 1959 issue were mailed, it has been decided to increase the edition to 1150 copies beginning with the Summer 1959 number. Involved in this decision is the balance between holding a sufficient number in reserve for future backsales while avoiding a glut in the storage space. The net subscription increase during the year was about 40 (the number of cancellations or delayed payments is uncertain). From time to time encouraging statements of the value of the JOURNAL have reached the Editor. As noted a number of copies beyond the mailing list must be kept for sale of back issues: this year 11 full sets and 8 partial sets (half or more) were sold. The income from subscriptions was about two-thirds of the sum for printing budgetted by the University, a drop from the previous year in spite of a cash increase. Note should be taken of a gift (July 11, 1958) of \$375.00 from the University of California (Berkeley) to assist in printing the long linguistic article by Mary R. Haas.

Report of  
University of New Mexico Press  
July 1, 1958 - June 30, 1959  
Roland Dickey, Director

Three of the University's publishing programs are conducted by the University of New Mexico Press:

1. Books, under the imprint of the University of New Mexico Press, with 119 titles in print.
2. The University of New Mexico Publications Series of scholarly monographs in thirteen fields, with 55 titles in print, successor to the University of New Mexico Bulletin Series, with 70 titles in print.
3. New Mexico Quarterly, a magazine of general intellectual interest, with emphasis on the Southwest, publishing articles, fiction, poetry, book reviews and art features.

In publishing these materials, the University Press provides manuscript selection, editing, typographical layout, manufacturing specifications, advertising, sales invoicing, and office routines.

I. Significant Developments during the Academic Year 1958-59.

A. The Faculty Publications Committee formulates general publishing policies for the Press and determines the acceptance or rejection of book-length work submitted for publication.

1. Members: S. A. Northrop, Chm. (Sociology); E. W. Raughman (English); J. S. Findley (Biology); W. U. Hill (Anthropology), Sem. I; C. B. Judah (Government); D. A. McKenzie (Mod. Languages); F. V. Scholes (History); J. Tatschl (Art); H. Trowbridge (English); H. P. Weihofen (Law), Sem. II. Ex officio members: J. H. Durrie (Secretary of the University); S. A. Raymond (Manager, Printing Plant); R. Dickey (Director, UNM Press).

2. The Committee held six meetings during the year, on July 30, Dec. 4, Dec. 16, April 16, April 23, and May 2.
3. At these meetings, 62 book-length mss. were considered, and 9 were accepted for publication.

F. General activities of the Press:

1. The Press published 6 books, of which 3 are new titles, 1 revised edition, and 2 reprints. The Publications Series released 1 new title. New Mexico Quarterly released 4 issues.
2. At year's end, work was in progress on 10 new book titles, 4 Publications monographs, and 1 issue of the Quarterly.
3. During the year, 40 new book-length mss. were examined by the Press staff, and reports made to the Publications Committee. In addition, 50 queries describing potential book mss. were processed.
4. During the year, 1231 mss., including 331 stories, 70 articles and 180 poems, were processed for New Mexico Quarterly. Of these, some 50 have been accepted for publication.
5. Sales totals, July 1, 1958 - June 30, 1959:

|                        |                    |
|------------------------|--------------------|
| University Press books | \$51,933.85        |
| Publications Series    | 1,374.48           |
| New Mexico Quarterly   | 1,609.20           |
| Total                  | <u>\$54,917.53</u> |

- a. Press book sales. Orders were processed for a total of 21,100 Press books. These were shipped to several thousand bookdealers, libraries, institutions, and individuals in all parts of the U. S. and in 25 foreign countries. Foreign sales totaled 189 titles. Countries leading in orders were Venezuela, England, Germany and Australia.

- b. A total of 1544 Publications and Bulletins were distributed during the year. Of these, 756 Publications were sold and 574 distributed free; 175 Bulletins were sold and 39 distributed free. A substantial part of the program is the mailing of Publications and Bulletins as a part of the UNM Library program of exchange for publications of other agencies, and the presentation of copies to UNM faculty members and other scholars at the request of the departments concerned.
- c. New Mexico Quarterly. Receipt of new subscriptions, particularly from New Mexico, continued throughout the year. An analysis of subscriptions shows 45% college and University libraries, 15% public libraries, 8% individuals, and 32% to magazines, commercial firms and various agencies. The subscription list includes 47 states and 8 foreign countries. The printing of a book-length feature "The House at Owl Bridge," by Peggy Pond Church, resulted in many new subscriptions, and the sale of approximately 1000 copies to newsstands and individuals. This feature is to be reprinted as a book by the University Press.
6. A physical inventory as of May 30, 1959, showed 109,836 books on hand. As of June 30, 1959, inventory showed 18,763 Publications and 8,970 Bulletins on hand.
7. Room 104 of Marron Hall is used as a permanent sales and exhibit room, where students, staff members and visitors may examine and purchase Press books. During the annual Christmas sale, 179 books and Publications were sold, total sales amounting to \$355.90.

8. During the year 31,461 announcements of new and back titles were mailed to potential buyers, and 338 books were sent to reviewers.
9. Books and Publications were exhibited at 16 national conventions of scholars, librarians, and professional groups, most of these through the cooperation of the Association of American University Presses. The Press participated in international book exhibits in Moscow and in Rio de Janeiro. Special displays were arranged for meetings of the New Mexico Library Association, the Southwestern Library Association, and the Mountains and Plains Library Association.
10. Book exhibits were set up with staff members in attendance at three conferences on campus: The Sixth Regional Conference of the Rocky Mountain Council for Latin American Studies, April 16-18; The New Mexico Geological Society annual meeting, April 23-25; and the Seventh Region Conference and Electronics Exhibit of the Institute of Radio Engineers, May 6-8. Sales in the amount of \$63.75 were made at these exhibits.
11. During the year, progress was made in the reorganization of customer order files on a geographical basis, the files of manuscript records and correspondence were consolidated, and several years' files for the Quarterly were arranged in a new system.



II. Significant Plans for the Near Future.

- A. The Press faces the happy prospect of eventually working on a current basis with its budget authorization in the 1959-60 fiscal year for increasing the staff by  $1\frac{1}{2}$  persons, including an additional editor and secretarial help which enables shifting a present staff member into sales and production areas.
- B. For a period of years the Press has labored under the handicap of a staff too small to handle its serious backlog of manuscripts, plus many problems in reorganization. Three years' experience under the combined Press-Publications-Quarterly arrangement have revealed areas of weakness, and pointed out more realistic directions for future plans. While the amount of behind-schedule work remains large, many of the most difficult problems have been solved, and systems have been set up which simplify various procedures.
- C. The members of the staff are now sufficiently experienced to carry out difficult assignments effectively, and the director is increasingly able to delegate responsibilities.
- D. The most hopeful sign is the fact that the manuscripts accepted for publication are of high caliber. Editorial work is virtually completed on a number of titles which are distinguished contributions to regional and national scholarship, and these will be published in the 1959-60 fiscal year. These books will not only enhance the reputation of the University and its Press, but ought to attract the submission of valuable manuscripts for the future.

### III. Staff Appointments.

Roland Vickey, Director of the Press, General Editor of the Publications Series, Editor of New Mexico Quarterly.  
 Ramona Maher Martinez, Editor.  
 Blair Boyd, Assistant Editor.  
 Mrs. Hazel Wensing, Office Manager. (Disability Retirement, May).  
 Margaret Weinrod, Secretary.  
 Carolyn Adair, Managing Editor, Quarterly (half-time).  
 Marilyn Wood, Secretary. (Replacement for Wensing, April).

### IV. Staff Separations.

Mrs. Hazel Wensing died on June 24, 1959, after an extended illness, during the latter part of which she was placed on a disability retirement basis. Mrs. Wensing had served with the Press some 14 years.

Mrs. Carolyn Adair resigned at the end of the fiscal year because her husband is being transferred to New York City. She had served the Quarterly for 4 years.

### V. Books and Other Materials Published or in Process.

#### A. University of New Mexico Press books published:

1. Tombstone's Epitaph, by Douglas D. Martin. 6x9", 302 pp., illus. with drawings. \$5.00. 4th printing. (July 1958).
2. How Come It's Called That? Place Names in the Big Bend Country, by Virginia Madison and Mallie Stillwell. 6x9", 150 pp., 2 maps, 9 photographs, index. \$1.25. (Nov. 1958).
3. Land of Room Enough and Time Enough, by Richard E. Klinck. 6x9 1/2", 144 pp., 8 color and 30 black-and-white photographs, index. \$6.00. (Dec. 1958).
4. George Curry, 1861-1947. An Autobiography, edited by H. B. Wening. 6x9 1/2", 360 pp., 11-color portrait, 5 sketches by Sam Smith, 11 photographs, index. \$7.50. (Dec. 1958).
5. Smollett and the Scottish School. Studies in 18th-Century Thought, by H. A. Goldberg. 6x9", 205 pp. \$3.00. (April 1959).
6. Steinbeck and His Critics, by E. W. Tedlock, Jr., and C. V. Wicker. 6x9", 352 pp. \$6.00. 2nd printing. (April 1959).

#### B. UNM Books in process:

1. Saints in the Valleys, by José E. Espinosa. 2. New Mexico Birds, by J. Stokley Ligon. 3. Minerals of New Mexico, by S. A. Northrop. (Rev. ed.) 4. Hopi Kachina Dolls, by Harold S. Bolton. (Rev. ed.) 5. Southwest Gardening, by Rosalie Doolittle and Harriot Tiedebohl. (Rev. ed.) 6. Roots in Adobe, by Dorothy L. Pillsbury. 7. Practical Spoken Spanish, by F. M. Karcheville. (Rev. ed.) 8. The House at Otowi Bridge, by Peggy Pond Church. 9. Francisco de

Rojas Vorell's "Microscopia y Larquing," by Raymond B. MacGardr.  
 10. A Week in Venustian (title tentative), by Ross Farmoner.  
 11. Place Names in New Mexico, by T. J. Pearce. 12. The Public Domain in New Mexico, 1854-91, by Victor Westphall. 13. The Art of Cultural Rebellion, a Study of the Fiction of D. H. Lawrence, by H. T. Tedlock, Jr.

C. UNM Publications Series, published:

The Ecology and Distribution of Pseudoscorpions of North-Central New Mexico, by C. Clayton Hoff. UNM Publications in Biology No. B. 639", 72 pp., 5 diagrams. Paper. \$1.50. (March 1959).

D. UNM Publications Series, in process:

1. Savage Indian Ethnozoology, by Lyman and Bailey (Biology No. 7). 2. A Guide to Microfilm of Papers Relating to New Mexico Land Grants, by Albert J. Diaz (Library Series No. 1). 3. Fracture Systems and Tectonic Elements of the Colorado Plateau, by Vincent Kelley (Geology No. 6). 4. Types of Intuition, by Archie J. Bahn (Philosophy No. 3).

E. New Mexico Quarterly, issues published:

Spring, 1958. Vol. XXVIII: 1.  
 Summer-Autumn-Winter, 1958. Vol. XXVIII: 2, 3, 4.  
 Spring, 1959. Vol. XXIX: 1.  
 Summer, 1959. Vol. XXIX: 2. (In press, released Sept.)

In order to bring the Quarterly to a current schedule, numbers 2, 3, and 4 of Vol. XXVIII were combined into a single issue, and subscriptions extended accordingly. The four issues contained 13 articles, 9 stories, 23 poems, and 54 book reviews, plus a combined review of paperback books. The Fourth and Fifth UNM Annual Research Lectures, "The Spanish Conqueror as a Business Man," by France V. Scholes, and "Some Aspects of Meteoritics," by Lincoln LaPaz, were printed, and reprints made for distribution by the Graduate Office. Other important articles included "Our Modern Indians," by Erna Forrasson, based on one of the Lectures under the Stars, and "Southwest Indian Arts and Crafts," by John Adair. "The House at Otowi Bridge," by Peggy Pond Church, carried in two parts, caused a large demand for extra copies. Art features included a series of Mexican codex designs, drawings by Connie Fox Boyd for "Otowi," and a second series of 40 Minbreas Indian designs. A series of histories of University Press colophons was added to the Book review section.

VI. Outside Professional Activities of Staff Members.

- A. Ramona Martinez, Press editor, attended the national convention of the Association of American University Presses in Austin, Texas, and Mexico City, June 21-30.
- B. Roland Dickey served as a member of the New Mexico planning committee for National Library Week, April 12-18. He also participated in three radio programs on Station KOB on April 11, 16, and 18, in connection with Library Week.

VII. Library Gifts.

During the year, the Press presented to the University Library 222 books and monographs and 96 periodicals. These were received from publishers and other agencies, mainly for review and exchange with New Mexico Quarterly. In addition, 60 subscriptions to the Quarterly were added as part of the Library's exchange for other periodicals. The Publications Series also is utilized in the Library exchange program.

VIII. Ford Foundation Grant.

- A. The Ford Foundation has approved a grant to the University of New Mexico Press for the third year of the Foundation's program to stimulate scholarly publishing in the humanities and social sciences. The sum of \$5400 was granted for the third year, to be followed by an approximately similar sum for each of two years, provided that certain conditions specified by the Foundation are met.

- B. The first title published under the grant was Smollett and the Scottish School, by M. A. Goldberg. Manuscripts approved by the UNM Publications Committee for publication under the grant include Saints in the Valley, by José E. Espinosa; Week In Yanhuatlan (title tentative), by Ross Parmenter; and The Art of Cultural Rebellion, by E. W. Tedlock, Jr.

#### IX. Asia Foundation.

The Asia Foundation of San Francisco, through funds provided by the government of Cambodia, is sponsoring the training of a Cambodian student in English language and publishing techniques. Mr. Dik Kean began his training at the Press in June, 1959, and is expected to continue for a year. Upon completion of his training he will assume a responsible position as an editor-translator for the Cambodian government.

#### X. Awards and Special Mention.

- A. Two titles, George Curry, 1861-1947, designed by Roland Dickey, and carried through production by Ramona Martinez, and How Come It's Called That?, designed and carried through production by Ramona Martinez, were named among the 1959 Western Books, a competition based on graphic excellence, by the Tounce & Coffin Club of California.
- B. Pawnee Lull, by Glenn Shirley, was named as one of the Best Western Books of 1958 by a Western Writers' organization in Washington, D. C. Dr. C. V. Sonnichsen was honored at the Texas Writers' Roundup in Austin, Oct. 25, on the basis of his UNM Press book, Ten Texas Feuds. The novel by Ramón Sender, Before Noon, was reproduced in England by Victor Gollancz, publishers, from the UNM Press edition.

The book received excellent reviews in Britain, including the front page of The London Times Literary Supplement. Selections from Gold on the Desert and Guide to the Fishes of New Mexico were chosen for reprinting in books by New York publishers.

- C. Early in 1959, the American Council of Learned Societies published a book, Problems of Scholarly Publication in the Humanities and Social Sciences, to which UMI Press, along with other university presses, contributed information.
- D. More than 200 reviews were recorded for Press books, including such newspapers as New York Times, San Francisco Chronicle, Baltimore Sun, Memphis Tennessean, Dallas Times-Herald, Kansas City Star, Daily Oklahoman, and many Southwestern newspapers. Magazine reviews included Artioch Review, Hispania, Mississippi Valley Historical Review, American Antiquity, Westways, Library Journal, Queen's Quarterly, Desert Magazine, New Mexico Historical Review, and others.
- E. New Mexico Quarterly was named among leading journals publishing poetry in the book section of Newsweek for June 15, 1959. It was also mentioned in an article on influential "little magazines" in Saturday Review.
- F. Two stories from the Quarterly are being reprinted in books published by McGraw-Hill and Talisman Press, and a poem is being reprinted in a forthcoming Harper volume. Two articles and a poem from the Quarterly have been reprinted in the magazine East Articles & Stories. Six articles from the Quarterly have been chosen for listing in Books Abroad.

The Report of the Student Affairs Division  
July 1, 1958 - June 30, 1959  
Sherman E. Smith, Director of Student Affairs

The year was marked by the substantial completion of Coronado Hall and the New Mexico Union building. These very tangible evidences of progress in student affairs were matched by a good deal of re-organization and planning in some areas of the Student Affairs Division.

New Mexico Union. Progress on the construction of the new Union building has been steady throughout the year. Because funds were available from the bond issue, a number of highly desirable improvements to the original plans could be made during the course of construction. The final approved total for the construction budget is \$2,894,587. The residue of the \$3,000,000 bond issue will be used to retire bonds of late maturity purchased by the Housing and Home Finance Agency of the federal government. Construction of the building will probably be completed in early September.

The interior furnishing of the new Union was designed by Roy A. Hilliard and Associates of Seattle, Washington. Contracts for the furnishings were signed in June, in the amount of \$152,509. An amount approximately equal to this will be spent for items of building equipment. These funds are derived from accumulated union building fees.

Concurrent with work on the building has been the planning for its staffing and operation. Mr. Wm. R. Bierbaum, Director of the

Union, joined the staff on August 1, 1958. During the year, he has directed the operation of the old Union and made detailed plans for the new. John Corker became Program Adviser on September 10, 1958, succeeding James Goldstein. A. O. Jackson, who has managed the Associated Students' Bookstore for two years, continues in that capacity. On July 5, 1959, Perry W. Satzinger was appointed accountant for the Union and the Associated Students, replacing Jethro L. Hills whose employment terminated on August 8. Other principal employees of the Union, and their effective dates of employment, are:

✓ Marion A. Hennessy - Food Service Manager  
July 1, 1959

✓ Mary Ellen Smith - Desk and Scheduling Manager  
August 10, 1959

George E. Beck - Games Manager  
August 15, 1959

William F. Dean - Night Manager  
September 1, 1959

Still to be employed is a Building Engineer.

Mrs. Esther Thompson, who has managed the present student union building since its opening in 1937, will retire when it closes. Mrs. Thompson's long and devoted service to the University and its students will long be remembered. The Union Board has named one of the lounges in the new building for her.

Student Housing. At the end of July, 1959, the University took title to Coronado Hall, which has been under construction throughout the period covered by this report. The capacity of



Coronado (435 beds) nearly doubles the University's permanent housing for single male students. Design standards in the individual rooms in this new residence hall surpass those in either Mesa Vista or Hokona Halls.

For a year or two the University will have a surplus of housing for single men and women. On the other hand, housing for married students is woefully short. Months ago, it was decided to discontinue use of the barracks apartments on Stanford Ave., N.E. as being hazardous and beyond maintenance. This leaves only the 20 apartments on Lomas Blvd., a few of which are assigned to staff members whose residence on the campus is essential.

An application for a loan for 100 units of housing for married students was filed with the Housing and Home Finance Agency in the fall of 1958. The application has been given preliminary approval, but to date the Congress has not passed a housing bill appropriating funds. A site for student apartments is available on land obtained within the year from the Albuquerque Public Schools a few blocks south of the campus.

Six of the barracks buildings in the "Dorm D" area, used since 1947 for the housing first of women and later of men, are being moved during the summer of 1959. Others are scheduled for later removal as quarters are provided for the departments occupying them.

A housing director for the campus is now being sought. The director will have a dual responsibility in men's housing, answer-

ing to the Dean of Men in personnel matters and to the Comptroller in matters of business management. He will also be responsible for the business management of Hokona Hall and the apartments for married students and staff.

Foreign Students. The enrollment of foreign students continues to increase gradually. The maximum number during the past year was 96. Looking after the special needs of these students has become a sizeable responsibility which for the past ten years has been lodged in the Student Affairs Office. Beginning in the fall of 1959, an Associate Dean of Men has been added to the staff of the Personnel Office. The new dean will serve as foreign student adviser. He will also have charge of the scholarship and student loan programs. The first incumbent in this office is Mr. William M. Chase, whose employment begins on July 27, 1959.

National Defense Loans. Two allocations of federal funds, totalling \$31,021, were made to the University during the year. These were matched by an institutional contribution in the amount of \$3447, making a total of \$34,468 available to students. The response to this program has been surprising, in view of the traditional reluctance of students to borrow. At the close of the fiscal year, 25 loans in the total amount of \$15,450 had been made. In addition, commitments were outstanding to 21 students for loans totalling \$12,120. Students of education are particularly inclined to borrow, no doubt because of the provision of the law which forgives them ten per cent of the loan for each year they teach, up to five years.

The National Defense Loan Program, coupled with the scholarship and student employment opportunities now available, will enable almost every New Mexico student of real ability to have a college education, regardless of his financial limitations.

The Placement Bureau. Warren F. Lee resigned as Director of the General Placement Bureau on September 8, 1958. He was replaced by Robert G. Lalicker on October 18. Shortly thereafter the Teacher Placement Bureau, formerly operated by the College of Education, was merged with the General Placement Bureau. The office will henceforth be known simply as the Placement Bureau. The merger is calculated to strengthen the University's services to all its students and graduates seeking employment.

Work with the High Schools. The Director of Student Affairs again coordinated the visiting of high schools for the purpose of counseling seniors about college enrollment. Virtually every high school in New Mexico of any size was visited. There were thirty college day programs, four of which required half days, the rest, full days. Sixty-one high schools participated in these programs.

As a follow-up on the visitation program, several hundred letters were written to individual students of promise. Scholarship applications were solicited from the ablest. Employment opportunities were described and many freshmen were promised employment in advance of their enrollment.

Those taking part in the field work with the high schools were the Director of the Placement Bureau, the Director of Counseling and Testing Services, the Director of Admissions, the Dean of Men,

the Assistant Dean of Women, and the Director of Student Affairs.

While the University continues to maintain its position in terms of relative enrollment, there is concern that so many of the ablest graduates of New Mexico high schools enroll elsewhere. In this connection, the college plans of the 1959 Certificate of Merit winners in the National Merit Scholarship competition are of interest. The following information was obtained from the high schools.

#### College Choices of National Merit Certificate Winners

##### New Mexico Colleges

|   |    |
|---|----|
| University of New Mexico                  | 13 |
| New Mexico State University               | 3  |
| Eastern New Mexico University             | 1  |
| Highlands University<br>(early admission) | 1  |

##### Other Colleges

|                            |   |
|----------------------------|---|
| Abilene Christian          | 1 |
| Air Force Academy          | 1 |
| Cal. Tech.                 | 1 |
| Colorado University        | 4 |
| Duke                       | 1 |
| Kansas State               | 1 |
| M. I. T.                   | 1 |
| Oberlin                    | 1 |
| Oklahoma College for Women | 1 |
| Princeton                  | 1 |
| Stanford                   | 5 |
| Swarthmore                 | 1 |
| Wesleyan (Connecticut)     | 2 |

##### Military Service 1

##### Unknown 4

44

The showing of the University in the above tabulation is creditable. Certainly, too, one has no right to object to the enrollment of New Mexico students in institutions of the calibre of Stanford or the California or Massachusetts Institutes of

Technology. All too often, however, very able graduates leave the State to attend colleges of lesser merit than those nearer home. The staff members who visit the high schools are convinced that the people of New Mexico really do not know how good their own state-supported colleges are. The task of informing them, within the limits of good taste, is continuous. An intensification of effort to attract the ablest students who can be interested in the University is planned. The quality of an institution is determined as much by the calibre of its student body as by any other single factor.

Steps Toward Selective Admission. The possibility of instituting a selective admissions policy has been under discussion for more than a year. Pending a decision to that effect, a policy of negative counseling has been adopted in admissions for the fall of 1959. Applicants with New Mexico high school transcripts having an average grade below "C" have been advised not to enroll. At the same time, they have been invited to confer with the Director of Admissions. Admission will be granted in every case if the applicant insists, whereupon special counseling will be provided and a limit may be imposed on the student's course load. This step was taken after a finding that very few freshmen with sub-standard high school records survive the first year.

Student Government. The year was marked by a general strengthening of student government. The Student Body President and the Council, to a degree seldom seen before, accepted responsibility in matters of real consequence to the University.

The Student Standards Committee, charged with the discipline of students, was especially effective. This committee finished

its year by bringing to the Administration concrete proposals for the protection of examinations against cheating.

Student members of the Board of the New Mexico Union were called upon for much extra service in connection with planning for the new Union.

The Student Affairs Committee exercised its usual functions of setting dates for major student events in the 1959-60 calendar and reviewing plans for Fiesta. The committee made a number of proposals which did not meet with the approval of the faculty.

University Program Series. The Cultural Program Committee presented, in the University Program Series, the following:

|                                       |             |
|---------------------------------------|-------------|
| National Symphony Orchestra of Mexico | October 13  |
| Candide                               | October 30  |
| Lotte Goslar's Pantomime Circus       | February 14 |
| Bernard Peiffer Trio                  | March 10    |
| Marian Anderson                       | March 18    |
| Emlyn Williams                        | April 5     |

The expenditure for artists fees was \$12,500. The series was an artistic and popular success but cost about \$1400 more than it produced in income. The deficit was met out of accumulated reserves from past seasons.

Foreign Visitors. The Student Affairs Office again received foreign visitors under various auspices (see last year's report). Miss Wilma Loy Shelton continued to plan their programs. The number of foreign guests entertained this year was 146.

Other Activities. During the year, the Director of Student Affairs also:

1. Assisted the President in presenting the University's budget to the Twenty-fourth Legislature.
2. Served as a member of the boards of the Community Concert Association and the Child Guidance Center.
3. Represented the University in the Coordinating Council of Colleges and Secondary Schools in New Mexico.
4. Served as chairman of the Committee on Scholarships and Loans of the Albuquerque Rotary Club.
5. Completed a report on the scholarship program sponsored from 1952 through 1956 by the Fund for the Advancement of Education.
6. Was a member of the Tidal Wave Committee and chairman of the Student Affairs and Cultural Program Committees.

TENTH  
ANNUAL REPORT  
of the  
OFFICE OF ADMISSIONS AND RECORDS

1958 - 59

for the  
1958 Summer Session  
Semesters I and II, 1958-59  
with  
Comparative Data  
1949-50 through 1958-59

June 30, 1959



THE REGENTS  
of  
THE UNIVERSITY OF NEW MEXICO

The Honorable John Burroughs,  
Governor of New Mexico, ex officio . . . . . Santa Fe

Tom Wiley, State Superintendent of  
Public Instruction, ex officio . . . . . Santa Fe

Finlay MacGillivray, President . . . . . Albuquerque

Ralph R. Lopez, Vice-President . . . . . Santa Fe

Lawrence H. Wilkinson, Secretary-Treasurer . . . . Albuquerque

Dorothy Woodward . . . . . Albuquerque

Howard C. Bratton . . . . . Roswell

The University of New Mexico  
Office of Admissions and Records

June 30, 1959

President Tom L. Popejoy  
The University of New Mexico

These pages contain the tenth annual report of the Office of Admissions and Records. Included are admission and enrollment statistics for the 1958-59 academic year and a number of comparative charts and graphs which reflect some of the changes that have occurred during the ten years from 1949-50 through 1958-59.

Your attention is directed particularly to the interesting changes in admissions processing loads as shown in the Admissions Statistics section of this report.

Through the cooperation of administrative officers and faculty members of the University, many of the problems which faced the Office of Admissions and Records in 1949 have been solved. Yet there seems no dearth of new problems as we face a decade which promises many changes and challenges. It is our hope that we will continue to enjoy in the years immediately ahead the same friendly cooperation that has made our work both interesting and pleasant.

Respectfully submitted,

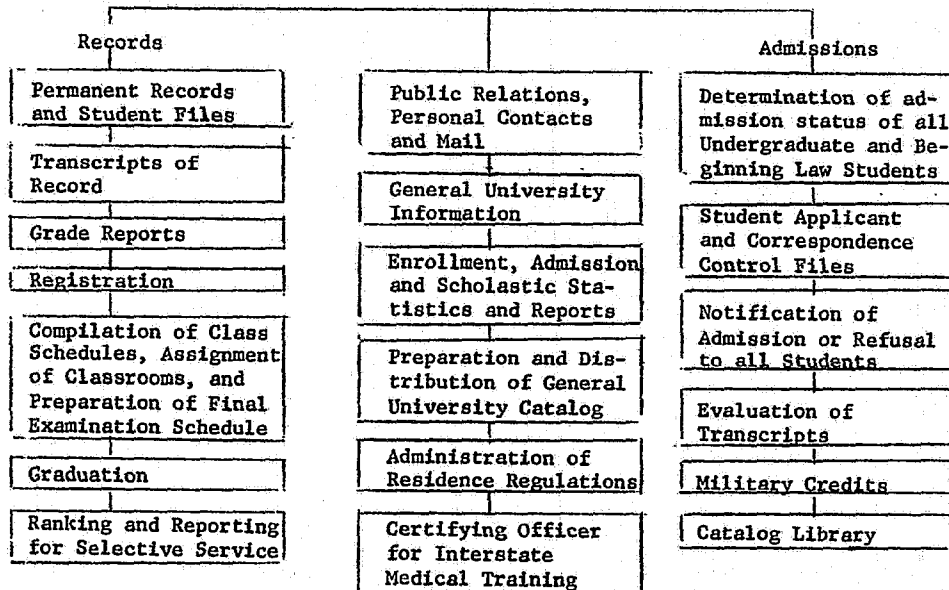
J. C. MacGregor  
Director of Admissions  
and Registrar

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CHART OF THE GENERAL FUNCTIONS  
OF THE OFFICE OF ADMISSIONS AND RECORDS

Director of Admissions  
and  
Registrar



## INTRODUCTION

The Office of Admissions and Records for the last ten years has functioned as a unit of the Division of Student Affairs under the coordinating supervision of the Director of Student Affairs. The main functions of the office are outlined in the chart on the preceding page.

A look backward over the ten-year period terminating with the 1958-59 academic year discloses a number of changes both in the character and in the amount of work performed in the Office of Admissions and Records. For example, the Admissions Statistics section of this report reveals that, although eighty-eight percent more students were admitted to the University in the fall of 1958 than were admitted in the fall of 1953, the total number of applications received increased 106 percent. This disproportionate increase in work load undoubtedly resulted from the national plague of multiple applications. On the credit side of the ledger, the establishment in the fall of 1958 of deadlines for acceptance of applications for our regular sessions shifted much of the load of the admissions section of the office and made it possible to increase by approximately one-third the number of complete evaluations placed in the hands of the various colleges of the University in advance of registration.

Heavy increases in enrollments and in demands for additional statistical information for purposes of planning and control have for two or three years resulted in serious strains on existing methods and equipment in some sections of the office. It will be remembered that, in 1949, the University cancelled a contract for the installation of IBM equipment in the Office of Admissions and Records. At that time, post-World War II veteran enrollments were declining and cancellation seemed fully justified. To serve the statistical purposes for which the IBM equipment had been ordered, a manual punch-card system was designed by office personnel. This served well for a number of years and undoubtedly effected large savings for the University. With enrollments now at the seven thousand mark and increasing constantly, manual methods are no longer effective or economical and must be replaced at the earliest possible time by adequate mechanization.

The space problem, particularly that of vault storage space, has become more acute with each increase in enrollment. Two major attempts were made during this period to stretch the capacity of our small fireproof vault. Early in this decade microfilming was adopted as a method of conserving space for supporting documents of former students. More recently open shelf filing was installed for student folders. These devices have made it possible to defer construction of a larger vault, but the fact must soon again be faced that we have inadequate fireproof storage space for the active records of our students. The need for additional general office space for personnel and equipment is also becoming a matter for deep concern.

Very few changes in organization or practice in any area of the University fail to have some influence on the work of the Office of Admissions and Records. As an instance, the strong emphasis placed by the University College on more thorough advisement of students and the resultant demands upon the time of faculty advisers led during 1958-59 to a re-examination of registration procedures and a decision to attempt a new and decentralized system of advisement and registration starting in the fall of 1959. Experiences of the University College, which has just completed its second year, also played an important part in a series of studies and conferences resulting in the adoption by the general faculty late in the spring of 1959 of a new and expanded pattern of subject-matter admission requirements to become effective with the 1960 fall semester.

### Mail

The processing of mail is another barometer of office load. The figures below, which do not include catalog mailings, are for the year beginning May 1, 1958 and ending April 30, 1959. The monthly average of outgoing mail for this period represents an increase of 90 percent over the comparable period of 1949-50.

|                 | <u>Mail<br/>Incoming</u> | <u>Mail<br/>Outgoing</u> |
|-----------------|--------------------------|--------------------------|
| Total Items     | <u>31,542</u>            | <u>78,315</u>            |
| Monthly Average | <u>2,629</u>             | <u>6,526</u>             |

### Catalogs

The general catalog of the University, which is compiled and edited in the Office of Admissions and Records, is published about the first of April each year. Nineteen thousand copies of the 1958-59 edition were distributed to students, prospective students, faculty and to other institutions. 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 is the issuance of official transcripts of record. The table on the following page gives a month-by-month account of the transcripts issued during the period from May 1, 1958 to April 30, 1959. Of the total official transcripts issued, 3565 were issued free. The remaining 4898 resulted in payments or charges of \$4898.00. This income goes to the University's general fund.

Transcripts Issued  
May 1, 1958 through April 30, 1959

| <u>Month</u>         | <u>Number Issued</u> |
|----------------------|----------------------|
| May, 1958.....       | 633                  |
| June, 1958.....      | 843                  |
| July, 1958.....      | 832                  |
| August, 1958.....    | 1121                 |
| September, 1958..... | 697                  |
| October, 1958.....   | 553                  |
| November, 1958.....  | 454                  |
| December, 1958.....  | 506                  |
| January, 1959.....   | 678                  |
| February, 1959.....  | 878                  |
| March, 1959.....     | 712                  |
| April, 1959.....     | <u>556</u>           |
| Total.....           | <u>8463</u>          |
| Monthly Average..... | <u>705</u>           |

Advisement Photostats

Much larger than the load of official transcript requests is the demand for advisement photostats of students' records. At the beginning of each summer session and the start of each regular semester, the Records section prepares a photostat of the high school record of each entering freshman and sends this to the University College for distribution to academic advisers. At the start of each fall semester a photostat is prepared of the record of each returning student and these are made available to the colleges for advisement and record-keeping. Dozens of additional advisement photostats produced upon special request of colleges and departments, together with official transcripts, bring the total photostats prepared to impressive numbers. All of these accounted for an expenditure during the period of May 1958 to May 1959 of \$2531.20 for approximately 31,500 photostat matrices.

Other activities of the Office of Admissions and Records are reflected in the statistical data appearing in the following sections of this report.

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## ADMISSION STATISTICS

## ACADEMIC YEAR

1958-59

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# ADMISSIONS PROCESSING LOADS

1953 through 1958

Data on admissions processing loads are available for six of the last ten years. These, as the graph on the opposite page and the chart below reveal, present an interesting picture of changing problems affecting the Admissions Office. Eighty-eight percent more students were admitted and actually registered in the fall of 1958 than were admitted and registered in the fall of 1953. For these same years the total number of applications upon which processing was completed increased by 96 percent. The total number of applications received increased 106 percent. (This last figure has some importance in that it represents considerable activity in the Admissions Office: a control card and an admissions folder are prepared for each formal application received.) Obviously, the work load involved, both in completed processing and in the handling of applications for the 1958 fall semester, was much greater in proportion to the final product -- admitted and registered students -- than it was for the 1953 fall semester. The number of students who were admitted to the University but who cancelled their applications or did not show up for registration, together with the number who were refused admission, increased from 562 in the fall of 1953 to 1244 (121 percent) in the fall of 1958. Admission refusals for the same years increased from 79 to 329, or 316 percent.

## FALL SEMESTERS

|                              | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Applications Received  | <u>2369</u> | <u>3274</u> | <u>3390</u> | <u>4129</u> | <u>4469</u> | <u>4886</u> |
| Incomplete Credentials       | 100         | 247         | 310         | 322         | 207         | 435         |
| Total Applications Processed | <u>2269</u> | <u>3027</u> | <u>3080</u> | <u>3807</u> | <u>4262</u> | <u>4451</u> |
| Did Not Show                 | 330         | 412         | 462         | 533         | 662         | 740         |
| Cancelled                    | 153         | 102         | 96          | 184         | 172         | 175         |
| Refused                      | 79          | 99          | 107         | 158         | 212         | 329         |
|                              | 562         | 613         | 665         | 875         | 1046        | 1244        |
| Admitted and Registered      | <u>1707</u> | <u>2414</u> | <u>2415</u> | <u>2932</u> | <u>3216</u> | <u>3207</u> |

ADMISSION STATISTICS  
1958-59

SUMMARY OF NEW AND READMITTED STUDENTS

| College                 | 1958 Summer Session |            |              | Semester I  |            |             | Semester II |            |             |
|-------------------------|---------------------|------------|--------------|-------------|------------|-------------|-------------|------------|-------------|
|                         | New                 | Readmitted | Total        | New         | Readmitted | Total       | New         | Readmitted | Total       |
| University              | 70                  | 36         | 106          | 1383        | 167        | 1550        | 188         | 122        | 310         |
| Arts & Sciences         | 8                   | 21         | 29           | 85          | 84         | 169         | 18          | 58         | 76          |
| Business Administration |                     | 8          | 8            | 23          | 42         | 65          | 11          | 26         | 37          |
| Education               | 6                   | 26         | 32           | 54          | 33         | 87          | 11          | 27         | 38          |
| Engineering             | 11                  | 5          | 16           | 51          | 36         | 87          | 16          | 24         | 40          |
| Fine Arts               | 3                   | 6          | 9            | 14          | 14         | 28          | 3           | 9          | 12          |
| Nursing                 | 4                   | 6          | 10           | 8           | 5          | 13          | 2           | 4          | 6           |
| Pharmacy                | 1                   | 1          | 2            | 9           | 6          | 15          |             |            |             |
| Graduate                | 177                 | 181        | 358          | 401         | 160        | 561         | 181         | 140        | 321         |
| Law                     |                     |            |              | 42          | 6          | 48          |             | 4          | 4           |
| Non-degree              | <u>215</u>          | <u>107</u> | <u>322</u>   | <u>451</u>  | <u>133</u> | <u>584</u>  | <u>282</u>  | <u>113</u> | <u>395</u>  |
| Totals                  | <u>495</u>          | <u>397</u> | 892          | <u>2521</u> | <u>686</u> | 3207        | <u>712</u>  | <u>527</u> | 1239        |
| Returning Students      |                     |            | 1109         |             |            | 3707        |             |            | 4893        |
| Workshops               |                     |            | <u>333*</u>  |             |            |             |             |            |             |
| Total Enrollments       |                     |            | <u>2334*</u> |             |            | <u>6914</u> |             |            | <u>6132</u> |

\*Workshops and concentrated courses scheduled during the regular eight-weeks session are included in the total summer session enrollment but do not appear in the separate listing of workshops.

**NEW FRESHMAN ADMISSION  
1958-59 Academic Year**

**NEW MEXICO HIGH SCHOOLS**

|                             | <u>1958<br/>Summer</u> | <u>1958<br/>Fall</u> | <u>1959<br/>Spring</u> | <u>Total</u> |
|-----------------------------|------------------------|----------------------|------------------------|--------------|
| Alamogordo                  |                        | 14                   |                        | 14           |
| Albuquerque High            | 7                      | 117                  | 9                      | 133          |
| Albuquerque Indian          |                        | 4                    |                        | 4            |
| Animas                      | 1                      |                      |                        | 1            |
| Artesia                     |                        | 10                   | 1                      | 11           |
| Aztec                       |                        | 2                    | 1                      | 3            |
| Belen                       |                        | 14                   | 2                      | 16           |
| Bernalillo                  |                        | 2                    |                        | 2            |
| Carlsbad                    | 1                      | 12                   | 2                      | 15           |
| Cathedral (Gallup)          |                        | 5                    |                        | 5            |
| Cimarron                    |                        | 2                    |                        | 2            |
| Clayton                     |                        | 1                    | 1                      | 2            |
| Clovis                      |                        | 7                    |                        | 7            |
| Cobre Consolidated (Bayard) |                        | 1                    |                        | 1            |
| Corona                      |                        | 2                    |                        | 2            |
| Deming                      | 1                      | 6                    |                        | 7            |
| Des Moines                  |                        | 1                    |                        | 1            |
| Edith McCurdy (Santa Cruz)  |                        | 2                    |                        | 2            |
| Elida                       |                        | 1                    |                        | 1            |
| Encino                      |                        |                      | 1                      | 1            |
| Espanola                    |                        | 7                    |                        | 7            |
| Estancia                    |                        | 4                    |                        | 4            |
| Eunice                      |                        | 2                    |                        | 2            |
| Farley                      |                        | 2                    |                        | 2            |
| Farmington                  |                        | 14                   | 1                      | 15           |
| Fort Sumner                 |                        | 4                    |                        | 4            |
| Fort Wingate                |                        | 1                    |                        | 1            |
| Gadsden                     |                        | 2                    |                        | 2            |
| Gallup                      |                        | 15                   | 1                      | 16           |
| Grants                      |                        | 10                   |                        | 10           |
| Hatch                       |                        | 2                    |                        | 2            |
| Highland High (Albuquerque) | 25                     | 314                  | 35                     | 374          |
| Hobbs                       |                        | 15                   | 1                      | 16           |
| Immaculate Heart (Santa Fe) | 1                      |                      |                        | 1            |
| Las Cruces                  |                        | 6                    |                        | 6            |
| Las Vegas                   |                        | 1                    | 1                      | 2            |
| Logan                       | 2                      |                      |                        | 2            |
| Lordsburg                   |                        | 2                    |                        | 2            |
| Los Alamos                  | 1                      | 17                   |                        | 18           |
| Los Lunas                   |                        | 6                    |                        | 6            |
| Lovington                   |                        | 3                    |                        | 3            |
| Magdalena                   |                        | 2                    |                        | 2            |
| Menaul (Albuquerque)        |                        | 9                    | 3                      | 12           |

## NEW FRESHMAN ADMISSIONS - NEW MEXICO HIGH SCHOOLS (Continued)

|                                  | <u>1958<br/>Summer</u> | <u>1958<br/>Fall</u> | <u>1959<br/>Spring</u> | <u>Total</u> |
|----------------------------------|------------------------|----------------------|------------------------|--------------|
| Moriarty                         |                        | 1                    |                        | 1            |
| Mountainair                      |                        | 1                    | 1                      | 2            |
| N. M. M. I. (Roswell)            | 2                      | 12                   |                        | 14           |
| N. M. Western (Silver City)      |                        | 2                    |                        | 2            |
| Northern N. M. Normal (El Rito)  |                        | 2                    |                        | 2            |
| Our Lady of Sorrows (Bernalillo) |                        | 2                    |                        | 2            |
| Pojoaque                         |                        | 1                    |                        | 1            |
| Portales                         |                        | 5                    |                        | 5            |
| Ramah                            | 1                      |                      |                        | 1            |
| Raton                            |                        | 4                    | 1                      | 5            |
| Regina Coeli (Albuquerque)       |                        | 1                    |                        | 1            |
| Rehoboth Mission                 |                        | 4                    |                        | 4            |
| Roswell                          |                        | 30                   | 2                      | 32           |
| Roy                              |                        | 2                    | 2                      | 4            |
| Ruidoso                          |                        | 2                    |                        | 2            |
| St. Catherine's (Santa Fe)       |                        | 2                    |                        | 2            |
| St. Mary's (Albuquerque)         | 1                      | 32                   | 1                      | 34           |
| St. Michael's (Santa Fe)         |                        | 3                    |                        | 3            |
| St. Peter's (Roswell)            |                        | 1                    |                        | 1            |
| St. Vincent's (Albuquerque)      |                        | 2                    |                        | 2            |
| Santa Cruz                       |                        | 1                    |                        | 1            |
| Santa Fe                         |                        | 31                   | 3                      | 34           |
| Santa Fe Indian                  | 1                      | 4                    |                        | 5            |
| Santa Rosa                       |                        | 1                    |                        | 1            |
| Seboyeta                         |                        | 1                    |                        | 1            |
| Socorro                          | 1                      |                      |                        | 1            |
| Springer                         | 1                      | 1                    |                        | 2            |
| Taos                             | 1                      | 8                    | 2                      | 11           |
| Tatum                            |                        | 2                    |                        | 2            |
| Texico                           |                        | 1                    |                        | 1            |
| Tucumcari                        | 1                      | 9                    |                        | 10           |
| Tularosa                         |                        | 1                    |                        | 1            |
| Valley High (Albuquerque)        | 5                      | 67                   | 5                      | 77           |
| Vaughn                           |                        | 2                    |                        | 2            |
| Wagon Mound                      |                        | 1                    |                        | 1            |
| G. E. D. Tests (N. M. Residents) | —                      | —2                   | —2                     | —4           |
| Total from New Mexico            | <u>53</u>              | <u>882</u>           | <u>78</u>              | <u>1013</u>  |

Note: Beginning freshmen entering the University during the 1958-59 school year represented 78 New Mexico high schools.

## NEW FRESHMAN ADMISSIONS (Continued)

## OTHER STATES

|                         | 1958<br><u>Summer</u> | 1958<br><u>Fall</u> | 1959<br><u>Spring</u> | <u>Total</u> |
|-------------------------|-----------------------|---------------------|-----------------------|--------------|
| Alabama                 |                       |                     | 1                     | 1            |
| Arizona                 |                       | 11                  |                       | 11           |
| Arkansas                | 2                     | 2                   | 1                     | 5            |
| California              |                       | 46                  | 7                     | 53           |
| Colorado                | 1                     | 19                  | 1                     | 21           |
| Connecticut             |                       | 3                   |                       | 3            |
| Florida                 | 1                     | 3                   | 2                     | 6            |
| Georgia                 |                       | 3                   |                       | 3            |
| Idaho                   |                       | 3                   |                       | 3            |
| Illinois                |                       | 28                  | 1                     | 29           |
| Indiana                 |                       | 17                  | 2                     | 19           |
| Iowa                    |                       | 10                  | 1                     | 11           |
| Kansas                  |                       | 17                  | 1                     | 18           |
| Louisiana               |                       | 5                   |                       | 5            |
| Maine                   |                       | 3                   | 1                     | 4            |
| Maryland                |                       | 3                   | 1                     | 4            |
| Massachusetts           |                       | 13                  | 1                     | 14           |
| Michigan                |                       | 8                   | 1                     | 9            |
| Minnesota               |                       | 5                   | 1                     | 6            |
| Mississippi             | 1                     | 1                   |                       | 2            |
| Missouri                | 1                     | 13                  |                       | 14           |
| Montana                 |                       |                     | 1                     | 1            |
| Nebraska                |                       | 3                   |                       | 3            |
| Nevada                  |                       | 2                   |                       | 2            |
| New Jersey              |                       | 11                  | 1                     | 12           |
| New York                |                       | 21                  | 3                     | 24           |
| North Carolina          |                       | 4                   |                       | 4            |
| North Dakota            | 1                     | 1                   |                       | 2            |
| Ohio                    | 1                     | 13                  | 2                     | 16           |
| Oklahoma                |                       | 12                  | 1                     | 13           |
| Oregon                  |                       | 3                   |                       | 3            |
| Pennsylvania            |                       | 10                  | 4                     | 14           |
| South Dakota            |                       | 4                   | 1                     | 5            |
| Tennessee               | 1                     | 3                   |                       | 4            |
| Texas                   |                       | 37                  | 2                     | 39           |
| Vermont                 |                       | 2                   | 1                     | 3            |
| Virginia                |                       | 4                   |                       | 4            |
| Washington              |                       | 3                   | 2                     | 5            |
| Wisconsin               |                       | 4                   |                       | 4            |
| Wyoming                 |                       | 2                   |                       | 2            |
| <hr/>                   |                       |                     |                       |              |
| Total from Other States | <u>9</u>              | <u>352</u>          | <u>40</u>             | <u>401</u>   |

Note: Beginning freshmen entering the University during the 1958-59 school year from high schools outside New Mexico represented 40 different states.

## NEW FRESHMAN ADMISSIONS (Continued)

## TERRITORIES AND FOREIGN COUNTRIES

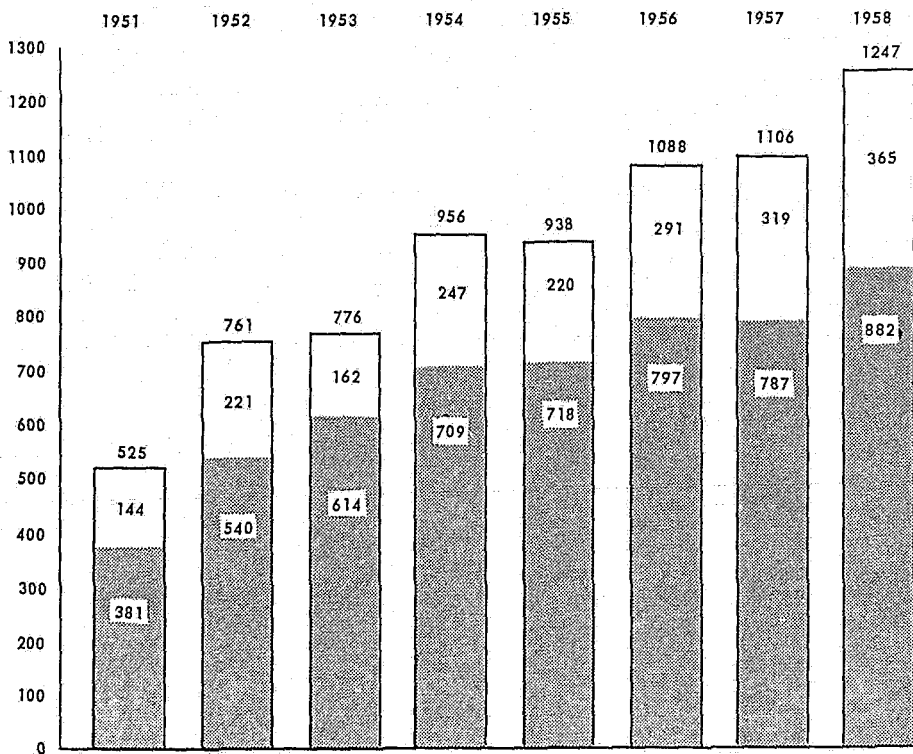
|  | <u>1958</u><br><u>Summer</u> | <u>1958</u><br><u>Fall</u> | <u>1959</u><br><u>Spring</u> | <u>Total</u> |
|--|------------------------------|----------------------------|------------------------------|--------------|
| Australia                                    |                              | 1                          |                              | 1            |
| Canada                                       |                              | 1                          |                              | 1            |
| Canal Zone                                   |                              | 1                          |                              | 1            |
| El Salvador                                  |                              | 1                          |                              | 1            |
| France                                       |                              | 1                          |                              | 1            |
| Free China                                   |                              | 1                          |                              | 1            |
| Germany                                      |                              | 1                          |                              | 1            |
| Hawaii                                       |                              | 2                          |                              | 2            |
| Jordan                                       |                              |                            | 1                            | 1            |
| Mexico                                       |                              | 2                          |                              | 2            |
| Puerto Rico                                  |                              | 1                          |                              | 1            |
| Spain  |                              | <u>1</u>                   | <u>—</u>                     | <u>1</u>     |
| Total from Territories and Foreign Countries |                              | <u>13</u>                  | <u>1</u>                     | <u>14</u>    |

## SUMMARY OF NEW FRESHMAN ADMISSIONS

|                                   | <u>1958</u><br><u>Summer</u> | <u>1958</u><br><u>Fall</u> | <u>1959</u><br><u>Spring</u> | <u>Total</u> |
|-----------------------------------|------------------------------|----------------------------|------------------------------|--------------|
| New Mexico High Schools           | 53                           | 882                        | 78                           | 1013         |
| Other States                      | 9                            | 352                        | 40                           | 401          |
| Territories and Foreign Countries | <u>—</u>                     | <u>13</u>                  | <u>1</u>                     | <u>14</u>    |
| Total New Freshman Admissions     | <u>62</u>                    | <u>1247</u>                | <u>119</u>                   | <u>1428</u>  |

Note: The University, for the first time in its history, established effective with the 1958 fall semester a deadline for receipt of applications and all required credentials. Deadline for the fall semester was August 15; for the spring semester, January 1. Although there is no way of measuring the exact effect of this policy, there is reason to believe that it did reduce the number of applications from beginning freshmen as well as from transfer students.

COMPARISON OF NEW FRESHMAN ADMISSIONS  
Fall Semesters 1951-52 through 1958-59



Out-of-State\*

\*Based upon location of  
high school of graduation

New Mexico High Schools

|                               | FALL SEMESTERS |            |            |            |            |             |             |             |
|-------------------------------|----------------|------------|------------|------------|------------|-------------|-------------|-------------|
| Admissions from:              | 1951           | 1952       | 1953       | 1954       | 1955       | 1956        | 1957        | 1958        |
| New Mexico High Schools       | 381            | 540        | 614        | 709        | 718        | 797         | 787         | 882         |
| Percent of Total              | (73%)          | (71%)      | (79%)      | (74%)      | (77%)      | (73%)       | (71%)       | (71%)       |
| Other States                  | 139            | 212        | 158        | 235        | 207        | 273         | 301         | 352         |
| Territories and Foreign       | 5              | 9          | 4          | 12         | 13         | 18          | 18          | 13          |
| Total Out-of-State            | 144            | 221        | 162        | 247        | 220        | 291         | 319         | 365         |
| Percent of Total              | (27%)          | (29%)      | (21%)      | (26%)      | (23%)      | (27%)       | (29%)       | (29%)       |
| Total New Freshman Admissions | <u>525</u>     | <u>761</u> | <u>776</u> | <u>956</u> | <u>938</u> | <u>1088</u> | <u>1106</u> | <u>1247</u> |

ENROLLMENT STATISTICS

ACADEMIC YEAR

1958-59

AND

COMPARATIVE ENROLLMENTS



## STUDENT ENROLLMENTS

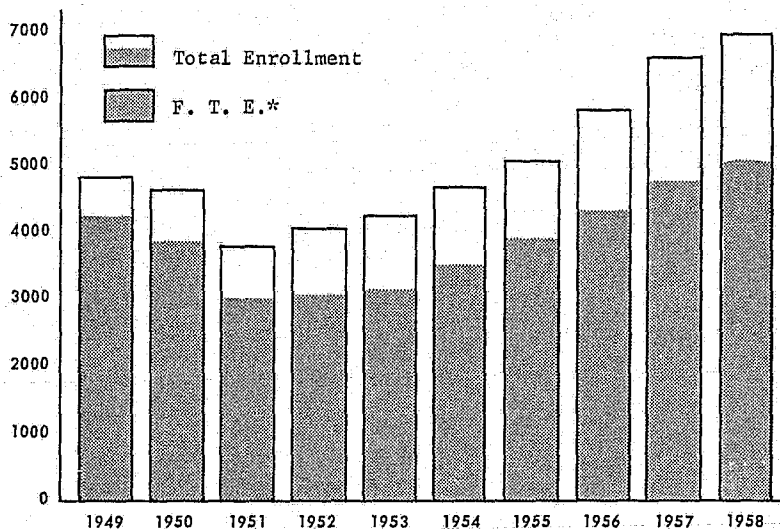
1939-40 through 1958-59

|         | <u>Summer<br/>Session</u> | <u>Semester I</u> | <u>Semester II</u> | <u>Semester III*</u> |
|---------|---------------------------|-------------------|--------------------|----------------------|
| 1958-59 | 2334                      | 6914              | 6132               |                      |
| 1957-58 | 1962                      | 6648              | 6146               |                      |
| 1956-57 | 1598                      | 5854              | 5488               |                      |
| 1955-56 | 1429                      | 5028              | 4629               |                      |
| 1954-55 | 1237                      | 4692              | 4283               |                      |
| 1953-54 | 1107                      | 4163              | 3819               |                      |
| 1952-53 | 1108                      | 4086              | 3845               |                      |
| 1951-52 | 1648                      | 3796              | 3563               |                      |
| 1950-51 | 1831                      | 4643              | 4078               |                      |
| 1949-50 | 1886                      | 4795              | 4501               |                      |
| 1948-49 | 1877                      | 4921              | 4514               |                      |
| 1947-48 | 1576                      | 4495              | 4335               |                      |
| 1946-47 | 1256                      | 3649              | 3542               |                      |
| 1945-46 | 364                       | 924               | 1814               | 2188                 |
| 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               |                      |

\* During World War II, the University operated on a three-semester basis.

FULL-TIME STUDENT EQUIVALENTS COMPARED WITH TOTAL ENROLLMENTS  
Fall Semesters, 1949 through 1958

544



| <u>Year</u> | <u>Total Enrollment</u> | <u>F. T. E.*</u> | <u>Percent of Total</u> |
|-------------|-------------------------|------------------|-------------------------|
| 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%                  |
| 1957-58     | 6648                    | 4752             | 71.48%                  |
| 1958-59     | 6914                    | 4997             | 72.27%                  |

\* The full-time equivalent (F. T. E.) is computed by dividing the total number of semester hours for a given session by an average full-time load of 16 semester hours.

## F. T. E. AND TOTAL ENROLLMENTS COMPARED (Continued)

The graph and table on the preceding page reveal the disproportionate growth during the last decade of student enrollments in relation to full-time student equivalents. Among the factors contributing to this disparity are the following:

1. Graduate enrollments increased from 528 in the fall of 1949-50 to 1301 in the 1958 fall semester, a growth of 146 percent. The normal credit-hour load of a graduate student is much less than that of an undergraduate. Although it would appear obvious that use of an average 16 semester hour load as the divisor in arriving at full-time student equivalents is not an accurate gauge at the graduate level, the State Board of Educational Finance and other agencies continue to insist on lumping graduate credit hours with undergraduate credit hours in determining F. T. E.
2. Located as it is in the geographical center of a rapidly growing metropolitan area, the University provides educational facilities for an increasing number of fully employed persons who have time only for part-time enrollment. Many of these persons participate in the advanced training programs offered by the University in cooperation with Los Alamos Scientific Laboratories, Sandia Base, and Holloman Air Force Base.
3. The F. T. E. in relation to total enrollments was abnormally high during 1949-50 and the three or four preceding academic years due to the large numbers of World War II veterans attending with the generous subsidies of Public Law 346.

It may be seen in the table below that the relation of full-time student equivalents to total enrollments is essentially the same for spring semesters as for fall semesters.

SPRING SEMESTERS

| <u>Year</u> | <u>Total Enrollment</u> | <u>F. T. E.</u> | <u>Percent. of Total</u> |
|-------------|-------------------------|-----------------|--------------------------|
| 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%                   |
| 1957-58     | 6146                    | 4367            | 71.05%                   |
| 1958-59     | 6132                    | 4406            | 71.85%                   |

ANALYSIS OF ENROLLMENTS BY SEMESTER HOUR LOADS  
1951-52 through 1958-59

|   | <u>Fall Semesters</u> |             |             |             |             |             |             |             |
|---|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|   | <u>1951</u>           | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
| Number of Students Enrolled<br>for 7 Hours or Fewer | 912                   | 1206        | 1207        | 1356        | 1336        | 1793        | 2275        | 2269        |
| Number of Students Enrolled<br>for 8 to 11 Hours    | 220                   | 217         | 168         | 193         | 237         | 282         | 314         | 356         |
| Number of Students Enrolled<br>for 12 Hours or More | <u>2664</u>           | <u>2663</u> | <u>2788</u> | <u>3143</u> | <u>3455</u> | <u>3779</u> | <u>4059</u> | <u>4289</u> |
| Total Students Enrolled                             | <u>3796</u>           | <u>4086</u> | <u>4163</u> | <u>4692</u> | <u>5028</u> | <u>5854</u> | <u>6648</u> | <u>6914</u> |

|   | <u>Spring Semesters</u> |             |             |             |             |             |             |             |
|---|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|   | <u>1952</u>             | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> | <u>1959</u> |
| Number of Students Enrolled<br>for 7 Hours or Fewer | 934                     | 1152        | 1120        | 1086        | 1228        | 1729        | 2120        | 2002        |
| Number of Students Enrolled<br>for 8 to 11 Hours    | 219                     | 182         | 158         | 214         | 241         | 290         | 336         | 403         |
| Number of Students Enrolled<br>for 12 Hours or More | <u>2410</u>             | <u>2511</u> | <u>2541</u> | <u>2983</u> | <u>3160</u> | <u>3469</u> | <u>3690</u> | <u>3727</u> |
| Total Students Enrolled                             | <u>3563</u>             | <u>3845</u> | <u>3819</u> | <u>4283</u> | <u>4629</u> | <u>5488</u> | <u>6146</u> | <u>6132</u> |

ENROLLMENT SUMMARIES BY SESSION  
1958-59 Academic Year

1958 SUMMER

|                  | <u>Civilians</u> | <u>Veterans</u> | <u>Total</u> |
|------------------|------------------|-----------------|--------------|
| Men              | 973              | 306             | 1279         |
| Women            | <u>1047</u>      | <u>8</u>        | <u>1055</u>  |
| Total Enrollment | <u>2020</u>      | <u>314</u>      | <u>2334</u>  |

SEMESTER I

|                  | <u>Civilians</u> | <u>Veterans</u> | <u>Total</u> |
|------------------|------------------|-----------------|--------------|
| Men              | 3955             | 1043            | 4998         |
| Women            | <u>1902</u>      | <u>14</u>       | <u>1916</u>  |
| Total Enrollment | <u>5857</u>      | <u>1057</u>     | <u>6914</u>  |

SEMESTER II

|                  | <u>Civilians</u> | <u>Veterans</u> | <u>Total</u> |
|------------------|------------------|-----------------|--------------|
| Men              | 3444             | 940             | 4384         |
| Women            | <u>1729</u>      | <u>19</u>       | <u>1748</u>  |
| Total Enrollment | <u>5173</u>      | <u>959</u>      | <u>6132</u>  |

SUMMARY OF ALL CREDIT ENROLLMENTS  
(Including Extension and Correspondence)  
1958-59 Academic Year

|  | <u>Men</u>  | <u>Women</u> | <u>Total</u> |
|--|-------------|--------------|--------------|
| Semesters I & II   |             |              |              |
| Civilians  | 4621        | 2240         | 6861         |
| Veterans   | <u>1204</u> | <u>21</u>    | <u>1225</u>  |
| Unduplicated Total, Sem. I & II                                  | 5825        | 2261         | 8086         |
| Summer Session 1958 - Regular Session                            | 1193        | 808          | 2001         |
| Piano Pedagogy   | 4           | 26           | 30           |
| Distributive Education Workshop                                  | 14          | 2            | 16           |
| Education Seminar I  | 18          | 7            | 25           |
| Education Seminar II   | 11          | 5            | 16           |
| Paper Crafts Workshop  | 10          | 57           | 67           |
| Indian Teachers Workshop   | 1           | 23           | 24           |
| Slow Learners Workshop   | 21          | 99           | 120          |
| Vocal Pedagogy   | 3           | 4            | 7            |
| Aesthetics Institute   | <u>4</u>    | <u>24</u>    | <u>28</u>    |
| Total Enrollment in Residence Sessions                           | 7104        | 3316         | 10420        |
| Less Duplicate Enrollments                                       | <u>872</u>  | <u>437</u>   | <u>1309</u>  |
| Total Enrollment (unduplicated<br>in Residence Sessions)         | <u>6232</u> | <u>2879</u>  | <u>9111</u>  |
| Extension Division   |             |              |              |
| Extension Classes  | 84          | 131          | 215          |
| Correspondence   | <u>588</u>  | <u>328</u>   | <u>916</u>   |
| Total Extension and Correspondence                               | 672         | 459          | 1131         |
| Less Duplicate Enrollments                                       | <u>49</u>   | <u>53</u>    | <u>102</u>   |
| Unduplicated Total, Extension<br>and Correspondence              | <u>623</u>  | <u>406</u>   | <u>1029</u>  |
| Total Different Persons in<br>Residence Sessions                 | 6232        | 2879         | 9111         |
| Total Different Persons in<br>Extension and Correspondence       | <u>623</u>  | <u>406</u>   | <u>1029</u>  |
| Total Residence, Extension, and<br>Correspondence                | 6855        | 3285         | 10140        |
| Less Duplicate Enrollments                                       | <u>180</u>  | <u>75</u>    | <u>255</u>   |
| TOTAL DIFFERENT PERSONS ENROLLED<br>DURING 1958-59 ACADEMIC YEAR | <u>6675</u> | <u>3210</u>  | <u>9885</u>  |

ANALYSIS OF STUDENT ENROLLMENTS AND CREDIT HOURS  
BY COLLEGES AND DEPARTMENTS

1958-59 Academic Year

(Excluding drops and withdrawals prior to the fifth week of  
the semester or the third week of the summer session)

| College<br>& Dept.     | Student Enrollments |              |              | Student Credit Hours |              |              |
|------------------------|---------------------|--------------|--------------|----------------------|--------------|--------------|
|                        | 1958<br>S. S.       | 1958-59      |              | 1958<br>S. S.        | 1958-59      |              |
|                        |                     | (1)          | (2)          |                      | (1)          | (2)          |
| <u>A &amp; S</u>       |                     |              |              |                      |              |              |
| Anthro.                | 73                  | 753          | 600          | 314                  | 2253         | 1791         |
| Biology                | 83                  | 939          | 1106         | 324                  | 3565         | 3995         |
| Chemistry              | 53                  | 1202         | 950          | 215                  | 4002         | 3146         |
| Economics              | 46                  | 541          | 617          | 132                  | 1623         | 1860         |
| English                | 360                 | 2957         | 2435         | 1101                 | 8894         | 7310         |
| Geography              |                     | 150          | 183          |                      | 450          | 549          |
| Geology                | 87                  | 857          | 755          | 196                  | 2320         | 1984         |
| Government             | 88                  | 663          | 559          | 263                  | 1993         | 1678         |
| History                | 184                 | 1438         | 1310         | 549                  | 4189         | 3928         |
| Journalism             |                     | 104          | 84           |                      | 247          | 232          |
| Math. & Astr.          | 373                 | 2437         | 2093         | 1184                 | 7983         | 6720         |
| Mod. & Class.          |                     |              |              |                      |              |              |
| Languages              | 143                 | 1417         | 1152         | 409                  | 4189         | 3383         |
| Philosophy             | 51                  | 341          | 372          | 96                   | 1010         | 1116         |
| Physics                | 106                 | 898          | 825          | 300                  | 2445         | 2180         |
| Psychology             | 170                 | 993          | 1005         | 512                  | 2969         | 3009         |
| Sociology              | 65                  | 284          | 311          | 211                  | 851          | 867          |
| Speech                 | <u>53</u>           | <u>373</u>   | <u>331</u>   | <u>170</u>           | <u>1084</u>  | <u>995</u>   |
| TOTAL A & S            | <u>1935</u>         | <u>16347</u> | <u>14688</u> | <u>5976</u>          | <u>50067</u> | <u>44743</u> |
| <u>BUSINESS ADMIN.</u> | <u>153</u>          | <u>1468</u>  | <u>1104</u>  | <u>434</u>           | <u>4256</u>  | <u>3219</u>  |
| <u>EDUCATION</u>       |                     |              |              |                      |              |              |
| Art Ed.                | 44                  | 176          | 160          | 93                   | 528          | 477          |
| Elem. Ed.              | 297                 | 250          | 231          | 691                  | 704          | 755          |
| Gen. Prof. Ed.         | 614                 | 507          | 535          | 1491                 | 1366         | 1484         |
| Home Ec.               | 27                  | 272          | 192          | 108                  | 833          | 516          |
| Phys. Ed.              | 179                 | 1768         | 1605         | 305                  | 2082         | 1959         |
| School Adm.            | 165                 | 104          | 95           | 394                  | 278          | 283          |
| Secondary Ed.          | <u>117</u>          | <u>456</u>   | <u>458</u>   | <u>410</u>           | <u>1463</u>  | <u>1499</u>  |
| TOTAL EDUCATION        | <u>1443</u>         | <u>3533</u>  | <u>3276</u>  | <u>3492</u>          | <u>7254</u>  | <u>6973</u>  |

## ANALYSIS OF STUDENT ENROLLMENTS AND CREDIT HOURS (Continued)

| <u>College<br/>&amp; Dept.</u> | <u>Student Enrollments</u> |                |              | <u>Student Credit Hours</u> |                |              |
|--------------------------------|----------------------------|----------------|--------------|-----------------------------|----------------|--------------|
|                                | <u>1958<br/>S. S.</u>      | <u>1958-59</u> |              | <u>1958<br/>S. S.</u>       | <u>1958-59</u> |              |
|                                |                            | <u>(1)</u>     | <u>(2)</u>   |                             | <u>(1)</u>     | <u>(2)</u>   |
| <u>ENGINEERING</u>             |                            |                |              |                             |                |              |
| Engineering                    | 10                         | 73             | 30           | 20                          | 219            | 85           |
| Architecture                   |                            | 161            | 140          |                             | 501            | 404          |
| Chemical                       |                            | 141            | 163          |                             | 375            | 379          |
| Civil                          | 63                         | 1333           | 1003         | 189                         | 3204           | 2763         |
| Electrical                     | 84                         | 919            | 860          | 252                         | 2220           | 2346         |
| Mechanical                     | <u>43</u>                  | <u>810</u>     | <u>576</u>   | <u>129</u>                  | <u>2128</u>    | <u>1630</u>  |
| TOTAL ENGINEERING              | <u>200</u>                 | <u>3437</u>    | <u>2772</u>  | <u>590</u>                  | <u>8647</u>    | <u>7607</u>  |
| <u>FINE ARTS</u>               |                            |                |              |                             |                |              |
| Art                            | 79                         | 720            | 736          | 214                         | 2006           | 2028         |
| Dramatic Art                   | 17                         | 190            | 186          | 72                          | 518            | 499          |
| Music                          | 197                        | 812            | 776          | 276                         | 1139           | 1105         |
| Music Ed.                      | <u>32</u>                  | <u>123</u>     | <u>136</u>   | <u>79</u>                   | <u>263</u>     | <u>276</u>   |
| TOTAL FINE ARTS                | <u>325</u>                 | <u>1845</u>    | <u>1834</u>  | <u>641</u>                  | <u>3926</u>    | <u>3908</u>  |
| <u>LAW</u>                     |                            | <u>487</u>     | <u>394</u>   |                             | <u>1144</u>    | <u>898</u>   |
| <u>NURSING</u>                 | <u>38</u>                  | <u>116</u>     | <u>83</u>    | <u>114</u>                  | <u>400</u>     | <u>437</u>   |
| <u>PHARMACY</u>                |                            | <u>166</u>     | <u>132</u>   |                             | <u>457</u>     | <u>446</u>   |
| <u>AIR SCIENCE</u>             |                            | <u>171</u>     | <u>116</u>   |                             | <u>416</u>     | <u>304</u>   |
| <u>NAVAL SCIENCE</u>           |                            | <u>144</u>     | <u>133</u>   |                             | <u>432</u>     | <u>399</u>   |
| GRAND TOTALS                   | <u>4094</u>                | <u>27714</u>   | <u>24532</u> | <u>11247</u>                | <u>76999</u>   | <u>68934</u> |



COMPARISON OF COMBINED ENROLLMENTS  
BY  
ACADEMIC YEARS

1930-31 through 1958-59

Total Different Persons Enrolled in Regular Semesters

|                   |                   |
|-------------------|-------------------|
| 1930-31.....1154  | 1944-45.....1799* |
| 1931-32.....1209  | 1945-46.....3114* |
| 1932-33.....1230  | 1946-47.....4268  |
| 1933-34.....1265  | 1947-48.....5231  |
| 1934-35.....1386  | 1948-49.....5498  |
| 1935-36.....1542  | 1949-50.....5455  |
| 1936-37.....1582  | 1950-51.....5405  |
| 1937-38.....1633  | 1951-52.....4518  |
| 1938-39.....1698  | 1952-53.....4973  |
| 1939-40.....1773  | 1953-54.....4987  |
| 1940-41.....1914  | 1954-55.....5539  |
| 1941-42.....1646  | 1955-56.....5996  |
| 1942-43.....1350  | 1956-57.....7075  |
| 1943-44.....1773* | 1957-58.....8105  |
| 1958-59.....8086  |                   |

\*Three semesters

ENROLLMENT BY COLLEGE AND CLASS  
1958 Summer Session

| <u>College</u>  | <u>First<br/>Year</u> | <u>Second<br/>Year</u> | <u>Third<br/>Year</u> | <u>Fourth<br/>Year</u> | <u>Fifth<br/>Year</u> | <u>Unclass.</u> | <u>Non-<br/>Degree</u> | <u>Grad.</u> | <u>Law</u> | <u>Total</u> |
|-----------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------|------------------------|--------------|------------|--------------|
| University      | 154                   | 106                    |                       |                        |                       | 12              |                        |              |            | 272          |
| Arts & Sciences | 1                     | 53                     | 89                    | 60                     |                       | 11              |                        |              |            | 214          |
| Business Admin. |                       | 13                     | 29                    | 26                     |                       | 2               |                        |              |            | 70           |
| Education       | 1                     | 27                     | 55                    | 82                     |                       | 13              |                        |              |            | 178          |
| Engineering     |                       | 56                     | 39                    | 42                     | 2                     | 7               |                        |              |            | 146          |
| Fine Arts       |                       | 16                     | 25                    | 15                     |                       | 5               |                        |              |            | 61           |
| Nursing         |                       | 3                      | 5                     | 8                      |                       | 4               |                        |              |            | 20           |
| Pharmacy        |                       | 3                      | 4                     | 2                      |                       | 1               |                        |              |            | 10           |
| Non-degree      |                       |                        |                       |                        |                       |                 | 518                    |              |            | 518          |
| Graduate        |                       |                        |                       |                        |                       |                 |                        | 844          |            | 844          |
| Law             | —                     | —                      | —                     | —                      | —                     | —               | —                      | —            | 1          | 1            |
| Totals          | <u>156</u>            | <u>277</u>             | <u>246</u>            | <u>235</u>             | <u>2</u>              | <u>55</u>       | <u>518</u>             | <u>844</u>   | <u>1</u>   | <u>2334*</u> |

\* Includes all summer workshops.

Note: The fifth year classification was made necessary by the establishment of a five-year degree program in Architecture.

Note: The Colleges of Law, Nursing, and Pharmacy do not offer courses during the summer, but students enrolled in those colleges may take courses available from other academic divisions of the University.

ENROLLMENT BY COLLEGE AND CLASS  
Semester I, 1958-59

| <u>College</u>  | <u>First<br/>Year</u> | <u>Second<br/>Year</u> | <u>Third<br/>Year</u> | <u>Fourth<br/>Year</u> | <u>Fifth*</u><br><u>Year</u> | <u>Unclass.</u> | <u>Non-<br/>Degree</u> | <u>Grad.</u> | <u>Law</u> | <u>Total</u>  |
|-----------------|-----------------------|------------------------|-----------------------|------------------------|------------------------------|-----------------|------------------------|--------------|------------|---------------|
| University      | 1808                  | 394                    |                       |                        |                              | 48              |                        |              |            | 2250          |
| Arts & Sciences | 8                     | 302                    | 276                   | 195                    |                              | 55              |                        |              |            | 836           |
| Business Admin. | 3                     | 82                     | 108                   | 58                     |                              | 23              |                        |              |            | 274           |
| Education       | 2                     | 124                    | 160                   | 138                    |                              | 37              |                        |              |            | 461           |
| Engineering     | 6                     | 210                    | 182                   | 171                    | 4                            | 36              |                        |              |            | 609           |
| Fine Arts       | 2                     | 58                     | 51                    | 38                     |                              | 12              |                        |              |            | 161           |
| Nursing         |                       | 13                     | 24                    | 15                     |                              | 11              |                        |              |            | 63            |
| Pharmacy        |                       | 20                     | 31                    | 11                     |                              | 5               |                        |              |            | 67            |
| Non-degree      |                       |                        |                       |                        |                              |                 | 801                    |              |            | 801           |
| Graduate        |                       |                        |                       |                        |                              |                 |                        | 1301         |            | 1301          |
| Law             |                       |                        |                       |                        |                              |                 |                        |              | 91         | 91            |
| Totals          | <u>1829</u>           | <u>1203</u>            | <u>832</u>            | <u>626</u>             | <u>4</u>                     | <u>227</u>      | <u>801</u>             | <u>1301</u>  | <u>91</u>  | <u>6914**</u> |

\*The fifth year classification was made necessary by the establishment of a five-year degree program in Architecture.

\*\*Of the total enrollment 1042 students were registered for evening courses only.

|                          |             |
|--------------------------|-------------|
| Evening Undergraduates:  |             |
| Regular Status           | 305         |
| Non-degree Status        | 432         |
| Evening Graduates        | <u>305</u>  |
| Total Evening Enrollment | <u>1042</u> |

# ENROLLMENT BY COLLEGE AND CLASS

Semester II, 1958-59

| <u>College</u>  | <u>First<br/>Year</u> | <u>Second<br/>Year</u> | <u>Third<br/>Year</u> | <u>Fourth<br/>Year</u> | <u>Fifth*</u><br><u>Year</u> | <u>Unclass.</u> | <u>Non-<br/>Degree</u> | <u>Grad.</u> | <u>Law</u> | <u>Total</u>  |
|-----------------|-----------------------|------------------------|-----------------------|------------------------|------------------------------|-----------------|------------------------|--------------|------------|---------------|
| University      | 1433                  | 462                    |                       |                        |                              | 24              |                        |              |            | 1919          |
| Arts & Sciences | 2                     | 228                    | 286                   | 237                    |                              | 18              |                        |              |            | 771           |
| Business Admin. |                       | 69                     | 108                   | 74                     |                              | 6               |                        |              |            | 257           |
| Education       | 1                     | 96                     | 146                   | 165                    |                              | 21              |                        |              |            | 429           |
| Engineering     | 3                     | 168                    | 208                   | 168                    | 4                            | 16              |                        |              |            | 567           |
| Fine Arts       |                       | 50                     | 54                    | 45                     | 3                            | 5               |                        |              |            | 157           |
| Nursing         |                       | 14                     | 25                    | 15                     |                              | 3               |                        |              |            | 57            |
| Pharmacy        |                       | 40                     | 14                    | 10                     |                              |                 |                        |              |            | 64            |
| Non-degree      |                       |                        |                       |                        |                              |                 | 665                    |              |            | 665           |
| Graduate        |                       |                        |                       |                        |                              |                 |                        | 1178         |            | 1178          |
| Law             |                       |                        |                       |                        |                              |                 |                        |              | 68         | 68            |
| Totals          | <u>1439</u>           | <u>1127</u>            | <u>841</u>            | <u>714</u>             | <u>7</u>                     | <u>93</u>       | <u>665</u>             | <u>1178</u>  | <u>68</u>  | <u>6132**</u> |

\*The fifth year classification was made necessary by the establishment of a five-year degree program in Architecture.

\*\*Of the total enrollment 782 students were registered for evening courses only.

## Evening Undergraduates:

|                   |            |
|-------------------|------------|
| Regular Status    | 241        |
| Non-Degree Status | 320        |
| Evening Graduates | <u>221</u> |

Total Evening Enrollment 782

COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1953-59

UNIVERSITY COLLEGE

| Class        | 1958 Summer |            |           |            | Semester I  |            |             |             | Semester II |            |             |             |
|--------------|-------------|------------|-----------|------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|
|              | Men         | Women      | Sub-Total | Total      | Men         | Women      | Sub-Total   | Total       | Men         | Women      | Sub-Total   | Total       |
| First Year   | Civ.        | 87         | 38        | 125        | 1036        | 566        | 1602        |             | 814         | 465        | 1279        |             |
|              | Vet.        | 29         |           | 29         | 204         | 2          | 206         | <u>1808</u> | 151         | 3          | 154         | <u>1433</u> |
| Second Year  | Civ.        | 56         | 21        | 77         | 221         | 106        | 327         |             | 257         | 126        | 383         |             |
|              | Vet.        | 27         | 2         | 29         | 65          | 2          | 67          | <u>394</u>  | 78          | 1          | 79          | <u>462</u>  |
| Unclassified | Civ.        | 6          |           | 6          | 27          | 8          | 35          |             | 14          | 5          | 19          |             |
|              | Vet.        | <u>6</u>   |           | <u>6</u>   | <u>13</u>   |            | <u>13</u>   | <u>48</u>   | <u>5</u>    |            | <u>5</u>    | <u>24</u>   |
| Sub-Totals   | Civ.        | 149        | 59        | 208        | 1284        | 680        | 1964        |             | 1085        | 596        | 1681        |             |
|              | Vet.        | <u>62</u>  | <u>2</u>  | <u>64</u>  | <u>282</u>  | <u>4</u>   | <u>286</u>  |             | <u>234</u>  | <u>4</u>   | <u>238</u>  |             |
| Totals       |             | <u>211</u> | <u>61</u> | <u>272</u> | <u>1566</u> | <u>684</u> | <u>2250</u> |             | <u>1319</u> | <u>600</u> | <u>1919</u> |             |

COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1958-59

ARTS AND SCIENCES

| Class        |      | 1958 Summer |           |            |           | Semester I |            |            |            | Semester II |            |            |            |
|--------------|------|-------------|-----------|------------|-----------|------------|------------|------------|------------|-------------|------------|------------|------------|
|              |      | Men         | Women     | Sub-Total  | Total     | Men        | Women      | Sub-Total  | Total      | Men         | Women      | Sub-Total  | Total      |
| First Year   | Civ. | 1           |           | 1          |           | 2          | 4          | 6          |            | 2           |            | 2          |            |
|              | Vet. |             |           |            | <u>1</u>  | 2          |            | 2          | <u>8</u>   |             |            |            | <u>2</u>   |
| Second Year  | Civ. | 25          | 22        | 47         |           | 171        | 97         | 268        |            | 132         | 81         | 213        |            |
|              | Vet. | 6           |           | 6          | <u>53</u> | 33         | 1          | 34         | <u>302</u> | 15          |            | 15         | <u>228</u> |
| Third Year   | Civ. | 41          | 26        | 67         |           | 141        | 77         | 218        |            | 164         | 74         | 238        |            |
|              | Vet. | 21          | 1         | 22         | <u>89</u> | 56         | 2          | 58         | <u>276</u> | 47          | 1          | 48         | <u>286</u> |
| Fourth Year  | Civ. | 27          | 16        | 43         |           | 101        | 43         | 144        |            | 123         | 56         | 179        |            |
|              | Vet. | 16          | 1         | 17         | <u>60</u> | 50         | 1          | 51         | <u>195</u> | 55          | 3          | 58         | <u>237</u> |
| Unclassified | Civ. | 4           | 6         | 10         |           | 33         | 16         | 49         |            | 11          | 5          | 16         |            |
|              | Vet. | <u>1</u>    |           | <u>1</u>   | <u>11</u> | <u>6</u>   |            | <u>6</u>   | <u>55</u>  | <u>2</u>    |            | <u>2</u>   | <u>18</u>  |
| Sub-Totals   | Civ. | 98          | 70        | 168        |           | 448        | 237        | 685        |            | 432         | 216        | 648        |            |
|              | Vet. | <u>44</u>   | <u>2</u>  | <u>46</u>  |           | <u>147</u> | <u>4</u>   | <u>151</u> |            | <u>119</u>  | <u>4</u>   | <u>123</u> |            |
| Totals       |      | <u>142</u>  | <u>72</u> | <u>214</u> |           | <u>595</u> | <u>241</u> | <u>836</u> |            | <u>551</u>  | <u>220</u> | <u>771</u> |            |

**COLLEGE ENROLLMENTS**  
**MEN, WOMEN, CIVILIANS, VETERANS**  
**1958-59**

**BUSINESS ADMINISTRATION**

| <u>Class</u> |      | 1958 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> |
| First Year   | Civ. |             |              |                  |              | 2          |              | 2                |              |             |              |                  |              |
|              | Vet. |             |              |                  |              | 1          |              | 1                | <u>3</u>     |             |              |                  |              |
| Second Year  | Civ. | 5           | 2            | 7                |              | 47         | 13           | 60               |              | 35          | 12           | 47               |              |
|              | Vet. | 6           |              | 6                | <u>13</u>    | 22         |              | 22               | <u>82</u>    | 21          | 1            | 22               | <u>69</u>    |
| Third Year   | Civ. | 18          |              | 18               |              | 64         | 10           | 74               |              | 59          | 12           | 71               |              |
|              | Vet. | 11          |              | 11               | <u>29</u>    | 34         |              | 34               | <u>108</u>   | 37          |              | 37               | <u>108</u>   |
| Fourth Year  | Civ. | 13          |              | 13               |              | 32         | 5            | 37               |              | 43          | 3            | 46               |              |
|              | Vet. | 13          |              | 13               | <u>26</u>    | 21         |              | 21               | <u>58</u>    | 28          |              | 28               | <u>74</u>    |
| Unclassified | Civ. | 1           |              | 1                |              | 15         | 2            | 17               |              | 2           |              | 2                |              |
|              | Vet. | <u>1</u>    |              | <u>1</u>         | <u>2</u>     | <u>6</u>   |              | <u>6</u>         | <u>23</u>    | <u>4</u>    |              | <u>4</u>         | 6            |
| Sub-Totals   | Civ. | 37          | 2            | 39               |              | 160        | 30           | 190              |              | 139         | 27           | 166              |              |
|              | Vet. | <u>31</u>   |              | <u>31</u>        |              | <u>84</u>  |              | <u>84</u>        |              | <u>90</u>   | <u>1</u>     | <u>91</u>        |              |
| Totals       |      | <u>68</u>   | <u>2</u>     | <u>70</u>        |              | <u>244</u> | <u>30</u>    | <u>274</u>       |              | <u>229</u>  | <u>28</u>    | <u>257</u>       |              |

COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1958-59

EDUCATION

| Class        |      | 1958 Summer |            |           |            | Semester I |            |           |            | Semester II |            |           |            |
|--------------|------|-------------|------------|-----------|------------|------------|------------|-----------|------------|-------------|------------|-----------|------------|
|              |      | Men         | Women      | Sub-Total | Total      | Men        | Women      | Sub-Total | Total      | Men         | Women      | Sub-Total | Total      |
| First Year   | Civ. |             | 1          |           | 1          |            | 2          |           | 2          |             | 1          |           | 1          |
|              | Vet. |             |            |           | <u>1</u>   |            |            |           | <u>2</u>   |             |            |           | <u>1</u>   |
| Second Year  | Civ. | 4           | 22         |           | 26         | 25         | 90         |           | 115        | 20          | 68         |           | 88         |
|              | Vet. |             | 1          |           | <u>27</u>  | 8          | 1          | <u>9</u>  | <u>124</u> | 8           |            | 8         | <u>96</u>  |
| Third Year   | Civ. | 6           | 39         |           | 45         | 41         | 93         |           | 134        | 37          | 92         |           | 129        |
|              | Vet. | 10          |            |           | <u>55</u>  | 26         |            | 26        | <u>160</u> | 16          | 1          | 17        | <u>146</u> |
| Fourth Year  | Civ. | 16          | 49         |           | 65         | 31         | 72         |           | 103        | 40          | 85         |           | 125        |
|              | Vet. | 16          | 1          |           | <u>82</u>  | 34         | 1          | 35        | <u>138</u> | 39          | 1          | 40        | <u>165</u> |
| Unclassified | Civ. | 1           | 11         |           | 12         | 8          | 27         |           | 35         | 6           | 13         |           | 19         |
|              | Vet. | <u>1</u>    |            |           | <u>1</u>   | <u>2</u>   |            | <u>2</u>  | <u>37</u>  | <u>1</u>    | <u>1</u>   | <u>2</u>  | <u>21</u>  |
| Sub-Totals   | Civ. | 27          | 122        |           | 149        | 105        | 284        |           | 389        | 103         | 259        |           | 362        |
|              | Vet. | <u>27</u>   | <u>2</u>   |           | <u>29</u>  | <u>70</u>  | <u>2</u>   | <u>72</u> |            | <u>64</u>   | <u>3</u>   |           | <u>67</u>  |
| Totals       |      | <u>54</u>   | <u>124</u> |           | <u>178</u> | <u>175</u> | <u>286</u> |           | <u>461</u> | <u>167</u>  | <u>262</u> |           | <u>429</u> |



COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1958-59

ENGINEERING

| Class        |      | 1958 Summer |       |            |           | Semester I |          |            |            | Semester II |          |            |            |
|--------------|------|-------------|-------|------------|-----------|------------|----------|------------|------------|-------------|----------|------------|------------|
|              |      | Men         | Women | Sub-Total  | Total     | Men        | Women    | Sub-Total  | Total      | Men         | Women    | Sub-Total  | Total      |
| First Year   | Civ. |             |       |            |           | 4          |          | 4          |            | 1           |          | 1          |            |
|              | Vet. |             |       |            |           | 2          |          | 2          | <u>6</u>   | 2           |          | 2          | <u>3</u>   |
| Second Year  | Civ. | 30          |       | 30         |           | 140        |          | 140        |            | 107         | 1        | 108        |            |
|              | Vet. | 26          |       | 26         | <u>56</u> | 70         |          | 70         | <u>210</u> | 60          |          | 60         | <u>168</u> |
| Third Year   | Civ. | 32          |       | 32         |           | 128        | 2        | 130        |            | 145         | 1        | 146        |            |
|              | Vet. | 7           |       | 7          | <u>39</u> | 52         |          | 52         | <u>182</u> | 62          |          | 62         | <u>208</u> |
| Fourth Year  | Civ. | 30          |       | 30         |           | 104        | 4        | 108        |            | 103         | 3        | 106        |            |
|              | Vet. | 12          |       | 12         | <u>42</u> | 63         |          | 63         | <u>171</u> | 62          |          | 62         | <u>168</u> |
| *Fifth Year  | Civ. | 2           |       | 2          |           | 2          |          | 2          |            | 3           |          | 3          |            |
|              | Vet. |             |       |            | <u>2</u>  | 2          |          | 2          | <u>4</u>   | 1           |          | 1          | <u>4</u>   |
| Unclassified | Civ. | 4           |       | 4          |           | 29         |          | 29         |            | 13          |          | 13         |            |
|              | Vet. | <u>3</u>    | —     | <u>3</u>   | <u>7</u>  | <u>7</u>   | —        | <u>7</u>   | <u>36</u>  | <u>3</u>    | —        | <u>3</u>   | <u>16</u>  |
| Sub-Totals   | Civ. | 98          |       | 98         |           | 407        | 6        | 413        |            | 372         | 5        | 377        |            |
|              | Vet. | <u>48</u>   | —     | <u>48</u>  |           | <u>196</u> | —        | <u>196</u> |            | <u>190</u>  | —        | <u>190</u> |            |
| Totals       |      | <u>146</u>  |       | <u>146</u> |           | <u>603</u> | <u>6</u> | <u>609</u> |            | <u>562</u>  | <u>5</u> | <u>567</u> |            |

\*Students enrolled in the College of Engineering for the fifth year of the degree program in Architecture.

COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1958-59

FINE ARTS

| Class        |      | 1958 Summer |           |           |           | Semester I |           |            |           | Semester II |           |            |           |
|--------------|------|-------------|-----------|-----------|-----------|------------|-----------|------------|-----------|-------------|-----------|------------|-----------|
|              |      | Men         | Women     | Sub-Total | Total     | Men        | Women     | Sub-Total  | Total     | Men         | Women     | Sub-Total  | Total     |
| First Year   | Civ. |             |           |           |           |            | 1         | 1          |           |             |           |            |           |
|              | Vet. |             |           |           |           | 1          |           | 1          | <u>2</u>  |             |           |            |           |
| Second Year  | Civ. | 5           | 11        | 16        |           | 15         | 37        | 52         |           | 15          | 27        | 42         |           |
|              | Vet. |             |           |           | <u>16</u> | 6          |           | 6          | <u>58</u> | 8           |           | 8          | <u>50</u> |
| Third Year   | Civ. | 9           | 12        | 21        |           | 21         | 25        | 46         |           | 21          | 28        | 49         |           |
|              | Vet. | 4           |           | 4         | <u>25</u> | 5          |           | 5          | <u>51</u> | 5           |           | 5          | <u>54</u> |
| Fourth Year  | Civ. | 5           | 9         | 14        |           | 17         | 15        | 32         |           | 17          | 20        | 37         |           |
|              | Vet. | 1           |           | 1         | <u>15</u> | 6          |           | 6          | <u>38</u> | 8           |           | 8          | <u>45</u> |
| *Fifth Year  | Civ. |             |           |           |           |            |           |            |           | 3           |           | 3          |           |
|              | Vet. |             |           |           |           |            |           |            |           |             |           |            | <u>3</u>  |
| Unclassified | Civ. | 3           | 1         | 4         |           | 4          | 5         | 9          |           | 2           | 3         | 5          |           |
|              | Vet. | <u>1</u>    | —         | <u>1</u>  | <u>5</u>  | <u>3</u>   | —         | <u>3</u>   | <u>12</u> | —           | —         | —          | <u>5</u>  |
| Sub-Totals   | Civ. | 22          | 33        | 55        |           | 57         | 83        | 140        |           | 58          | 78        | 136        |           |
|              | Vet. | <u>6</u>    | —         | <u>6</u>  |           | <u>21</u>  | —         | <u>21</u>  |           | <u>21</u>   | —         | <u>21</u>  |           |
| Totals       |      | <u>28</u>   | <u>33</u> | <u>61</u> |           | <u>78</u>  | <u>83</u> | <u>161</u> |           | <u>79</u>   | <u>78</u> | <u>157</u> |           |

\*Students enrolled in the College of Fine Arts for the fifth year of the degree program in Architecture.

COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1958-59

NURSING

| <u>Class</u> |      | <u>1958 Summer</u> |              | <u>Semester I</u> |              | <u>Semester II</u> |              |
|--------------|------|--------------------|--------------|-------------------|--------------|--------------------|--------------|
|              |      | <u>Women</u>       | <u>Total</u> | <u>Women</u>      | <u>Total</u> | <u>Women</u>       | <u>Total</u> |
| Second Year  | Civ. | 3                  |              | 12                |              | 13                 |              |
|              | Vet. |                    | <u>3</u>     | 1                 | <u>13</u>    | 1                  | <u>14</u>    |
| Third Year   | Civ. | 5                  |              | 23                |              | 23                 |              |
|              | Vet. |                    | <u>5</u>     | 1                 | <u>24</u>    | 2                  | <u>25</u>    |
| Fourth Year  | Civ. | 7                  |              | 15                |              | 15                 |              |
|              | Vet. | 1                  | <u>8</u>     |                   | <u>15</u>    |                    | <u>15</u>    |
| Unclassified | Civ. | 3                  |              | 10                |              | 1                  |              |
|              | Vet. | 1                  | <u>4</u>     | 1                 | <u>11</u>    | 2                  | <u>3</u>     |
| Sub-Totals   | Civ. | 18                 |              | 60                |              | 52                 |              |
|              | Vet. | <u>2</u>           |              | <u>3</u>          |              | <u>5</u>           |              |
| Totals       |      | <u>20</u>          |              | <u>63</u>         |              | <u>57</u>          |              |

COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1958-59

PHARMACY

| Class        |      | 1958 Summer |          |           |          | Semester I |          |           |           | Semester II |          |           |           |
|--------------|------|-------------|----------|-----------|----------|------------|----------|-----------|-----------|-------------|----------|-----------|-----------|
|              |      | Men         | Women    | Sub-Total | Total    | Men        | Women    | Sub-Total | Total     | Men         | Women    | Sub-Total | Total     |
| Second Year  | Civ. | 3           |          | 3         |          | 14         | 1        | 15        |           | 26          | 5        | 31        |           |
|              | Vet. |             |          |           | <u>3</u> |            |          |           | <u>20</u> |             |          |           | <u>40</u> |
| Third Year   | Civ. | 3           |          | 3         |          | 19         | 2        | 21        |           | 12          | 1        | 13        |           |
|              | Vet. | 1           |          | 1         | <u>4</u> | 10         |          | 10        | <u>31</u> | 1           |          | 1         | <u>14</u> |
| Fourth Year  | Civ. | 1           | 1        | 2         |          | 5          | 3        | 8         |           | 3           | 2        | 5         |           |
|              | Vet. |             |          |           | <u>2</u> |            |          |           | <u>11</u> | 5           |          | 5         | <u>10</u> |
| Unclassified | Civ. | 1           |          | 1         |          | 3          | 2        | 5         |           |             |          |           |           |
|              | Vet. | —           | —        | —         | <u>1</u> | —          | —        | —         | <u>5</u>  | —           | —        | —         |           |
| Sub-Totals   | Civ. | 8           | 1        | 9         |          | 41         | 8        | 49        |           | 41          | 8        | 49        |           |
|              | Vet. | <u>1</u>    | —        | <u>1</u>  |          | <u>18</u>  | —        | <u>18</u> |           | <u>15</u>   | —        | <u>15</u> |           |
| Totals       |      | <u>9</u>    | <u>1</u> | <u>10</u> |          | <u>59</u>  | <u>8</u> | <u>67</u> |           | <u>56</u>   | <u>8</u> | <u>64</u> |           |

COLLEGE ENROLLMENTS  
MEN, WOMEN, CIVILIANS, VETERANS  
1958-59

GRADUATE SCHOOL

|        | 1958 Summer |              |              | Semester I  |              |              | Semester II |              |              |
|--------|-------------|--------------|--------------|-------------|--------------|--------------|-------------|--------------|--------------|
|        | <u>Men</u>  | <u>Women</u> | <u>Total</u> | <u>Men</u>  | <u>Women</u> | <u>Total</u> | <u>Men</u>  | <u>Women</u> | <u>Total</u> |
| Civ.   | 379         | 382          | 761          | 866         | 248          | 1114         | 749         | 252          | 1001         |
| Vet.   | <u>83</u>   | —            | <u>83</u>    | <u>186</u>  | <u>1</u>     | <u>187</u>   | <u>176</u>  | <u>1</u>     | <u>177</u>   |
| Totals | <u>462</u>  | <u>382</u>   | <u>844</u>   | <u>1052</u> | <u>249</u>   | <u>1301</u>  | <u>925</u>  | <u>253</u>   | <u>1178</u>  |

LAW

| <u>Class</u> | 1958 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> |
| First Year   | Civ.        |              |                  |              | 25         | 1            | 26               |              | 15          | 1            | 16               |              |
|              | Vet.        |              |                  |              | 19         |              | 19               | <u>45</u>    | 14          |              | 14               | <u>30</u>    |
| Second Year  | Civ.        |              |                  |              | 11         | 1            | 12               |              | 9           | 2            | 11               |              |
|              | Vet.        |              |                  |              | 6          |              | 6                | <u>18</u>    | 5           |              | 5                | <u>16</u>    |
| Third Year   | Civ.        |              |                  |              | 14         | 3            | 17               |              | 12          | 1            | 13               |              |
|              | Vet.        | 1            |                  | <u>1</u>     | 10         |              | 10               | <u>27</u>    | 7           | 1            | 8                | <u>21</u>    |
| Special      | Vet.        | —            | —                | —            | <u>1</u>   | —            | <u>1</u>         | <u>1</u>     | <u>1</u>    | —            | <u>1</u>         | <u>1</u>     |
| Sub-Totals   | Civ.        |              |                  |              | 50         | 5            | 55               |              | 36          | 4            | 40               |              |
|              | Vet.        | <u>1</u>     |                  | <u>1</u>     | <u>36</u>  | —            | <u>36</u>        |              | <u>27</u>   | <u>1</u>     | <u>28</u>        |              |
| Totals       |             | <u>1</u>     |                  | <u>1</u>     | <u>86</u>  | <u>5</u>     | <u>91</u>        |              | <u>63</u>   | <u>5</u>     | <u>68</u>        |              |

ANALYSIS OF EVENING CREDIT ENROLLMENTS  
1958-59

SEMESTER I

| <u>College</u>  | <u>1st.<br/>Year</u> | <u>2nd.<br/>Year</u> | <u>3rd.<br/>Year</u> | <u>4th.<br/>Year</u> | <u>Uncl.</u> | <u>Grad.</u> | <u>Law</u> | <u>Non-deg.</u> | <u>Total</u> |
|-----------------|----------------------|----------------------|----------------------|----------------------|--------------|--------------|------------|-----------------|--------------|
| University      | 115                  | 22                   |                      |                      | 7            |              |            |                 | 144          |
| Arts & Sciences | 3                    | 20                   | 4                    | 7                    | 6            |              |            |                 | 40           |
| Business Admin. | 1                    | 13                   | 10                   | 12                   | 7            |              |            |                 | 43           |
| Education       |                      | 6                    | 5                    | 4                    | 3            |              |            |                 | 18           |
| Engineering     | 3                    | 32                   | 8                    | 2                    | 9            |              |            |                 | 54           |
| Fine Arts       |                      |                      | 1                    |                      | 1            |              |            |                 | 2            |
| Nursing         |                      | 1                    | 1                    | 1                    | 1            |              |            |                 | 4            |
| Pharmacy        |                      |                      |                      |                      |              |              |            |                 |              |
| Graduate        |                      |                      |                      |                      |              | 305          |            |                 | 305          |
| Law             |                      |                      |                      |                      |              |              |            |                 |              |
| Non-degree      |                      |                      |                      |                      |              |              |            | 432             | 432          |
| Totals          | <u>122</u>           | <u>94</u>            | <u>29</u>            | <u>26</u>            | <u>34</u>    | <u>305</u>   |            | <u>432</u>      | <u>1042</u>  |

SEMESTER II

| <u>College</u>  | <u>1st.<br/>Year</u> | <u>2nd.<br/>Year</u> | <u>3rd.<br/>Year</u> | <u>4th.<br/>Year</u> | <u>Uncl.</u> | <u>Grad.</u> | <u>Law</u> | <u>Non-deg.</u> | <u>Total</u> |
|-----------------|----------------------|----------------------|----------------------|----------------------|--------------|--------------|------------|-----------------|--------------|
| University      | 99                   | 18                   |                      |                      | 3            |              |            |                 | 120          |
| Arts & Sciences | 2                    | 13                   | 8                    | 9                    | 3            |              |            |                 | 35           |
| Business Admin. |                      | 13                   | 13                   | 9                    | 1            |              |            |                 | 36           |
| Education       |                      | 5                    | 2                    | 3                    |              |              |            |                 | 10           |
| Engineering     | 3                    | 20                   | 5                    | 2                    | 4            |              |            |                 | 34           |
| Fine Arts       |                      | 1                    | 1                    |                      |              |              |            |                 | 2            |
| Nursing         |                      | 2                    | 1                    | 1                    |              |              |            |                 | 4            |
| Pharmacy        |                      |                      |                      |                      |              |              |            |                 |              |
| Graduate        |                      |                      |                      |                      |              | 221          |            |                 | 221          |
| Law             |                      |                      |                      |                      |              |              |            |                 |              |
| Non-degree      |                      |                      |                      |                      |              |              |            | 320             | 320          |
| Totals          | <u>104</u>           | <u>72</u>            | <u>30</u>            | <u>24</u>            | <u>11</u>    | <u>221</u>   |            | <u>320</u>      | <u>782</u>   |

Note: Credit courses offered after 5 p. m. are classified for statistical purposes as evening offerings.

HOURS AND EQUIVALENTS FOR EVENING CREDIT ENROLLMENTS

|                      | <u>Total Hours</u> | <u>F. T. E.*</u> |
|----------------------|--------------------|------------------|
| Semester I, 1958-59  | 3925               | 245              |
| Semester II, 1958-59 | 2878               | 180              |

\*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  
1958-59 Academic Year

LOS ALAMOS

1958 Summer

| <u>College</u> | <u>Total</u> |
|----------------|--------------|
| Graduate       | 17           |
| Non-degree     | <u>6</u>     |
| Total          | <u>23</u>    |

Semester I

| <u>College</u>  | <u>Fresh.</u> | <u>Soph.</u> | <u>Senior</u> | <u>Uncl.</u> | <u>Grad.</u> | <u>Non-deg.</u> | <u>Total</u> |
|-----------------|---------------|--------------|---------------|--------------|--------------|-----------------|--------------|
| University      | 3             | 1            |               | 4            |              |                 | 8            |
| Arts & Sciences |               | 3            |               | 3            |              |                 | 6            |
| Education       |               | 1            |               |              |              |                 | 1            |
| Engineering     |               | 1            | 1             | 1            |              |                 | 3            |
| Graduate        |               |              |               |              | 175          |                 | 175          |
| Non-degree      | —             | —            | —             | —            | —            | 105             | <u>105</u>   |
| Totals          | <u>3</u>      | <u>6</u>     | <u>1</u>      | <u>8</u>     | <u>175</u>   | <u>105</u>      | <u>298*</u>  |

Semester II

| <u>College</u>  | <u>Fresh.</u> | <u>Soph.</u> | <u>Senior</u> | <u>Uncl.</u> | <u>Grad.</u> | <u>Non-deg.</u> | <u>Total</u> |
|-----------------|---------------|--------------|---------------|--------------|--------------|-----------------|--------------|
| University      | 12            | 1            |               | 2            |              |                 | 15           |
| Arts & Sciences |               | 2            | 1             | 3            |              |                 | 6            |
| Engineering     |               | 2            |               | 2            |              |                 | 4            |
| Graduate        |               |              |               |              | 139          |                 | 139          |
| Non-degree      | —             | —            | —             | —            | —            | 82              | <u>82</u>    |
| Totals          | <u>12</u>     | <u>5</u>     | <u>1</u>      | <u>7</u>     | <u>139</u>   | <u>82</u>       | <u>246*</u>  |

\* Includes students enrolled for resident credit in TV courses.

## ANALYSIS OF ENROLLMENTS - OFF-CAMPUS RESIDENT CREDIT CENTERS (Cont.)

## HOLLOMAN

1958 Summer

| <u>College</u> | <u>Total</u> |
|----------------|--------------|
| Non-degree     | <u>21</u>    |

Semester I

| <u>College</u>  | <u>Uncl.</u> | <u>Grad.</u> | <u>Non-deg.</u> | <u>Total</u> |
|-----------------|--------------|--------------|-----------------|--------------|
| Arts & Sciences | 1            |              |                 | 1            |
| Graduate        |              | 60           |                 | 60           |
| Non-degree      | —            | —            | <u>6</u>        | <u>6</u>     |
| Totals          | <u>1</u>     | <u>60</u>    | <u>6</u>        | <u>67</u>    |

Semester II

| <u>College</u> | <u>Total</u> |
|----------------|--------------|
| Graduate       | 37           |
| Non-degree     | <u>2</u>     |
| Total          | <u>39</u>    |



## ANALYSIS OF ENROLLMENTS - OFF-CAMPUS RESIDENT CREDIT CENTERS (Cont.)

## GALLUP

Semester I

| <u>College</u> | <u>Fresh</u> | <u>Non-deg.</u> | <u>Total</u> |
|----------------|--------------|-----------------|--------------|
| University     | 3            |                 | 3            |
| Non-degree     | —            | 48              | 48           |
| Totals         | <u>3</u>     | <u>48</u>       | <u>51*</u>   |

Semester II

| <u>College</u> | <u>Fresh</u> | <u>Non-deg.</u> | <u>Total</u> |
|----------------|--------------|-----------------|--------------|
| University     | 4            |                 | 4            |
| Non-degree     | —            | 35              | 35           |
| Totals         | <u>4</u>     | <u>35</u>       | <u>39*</u>   |

## HOURS AND EQUIVALENTS

|             | Los Alamos         |               | Holloman           |               | Gallup             |               |
|-------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|
|             | <u>Total Hours</u> | <u>F.T.E.</u> | <u>Total Hours</u> | <u>F.T.E.</u> | <u>Total Hours</u> | <u>F.T.E.</u> |
| 1958 Summer | 81                 | 10            | 42                 | 5             |                    |               |
| Semester I  | 1083               | 68            | 252                | 16            | 167                | 10            |
| Semester II | 939                | 59            | 132                | 8             | 117                | 7             |

\* Includes students enrolled for resident credit in TV courses.

## GEOGRAPHICAL SOURCES OF ENROLLMENT

1958-59 Academic Year

## Students Enrolled from New Mexico

| <u>County</u> | <u>1958 Summer</u> | <u>Semester I</u> | <u>Semester II</u> |
|---------------|--------------------|-------------------|--------------------|
| Bernalillo    | 1578               | 4517              | 4091               |
| Catron        | 1                  | 1                 | 1                  |
| Chavez        | 20                 | 76                | 66                 |
| Colfax        | 3                  | 27                | 27                 |
| Curry         | 9                  | 40                | 28                 |
| DeBaca        | 1                  | 8                 | 6                  |
| Dona Ana      | 7                  | 31                | 22                 |
| Eddy          | 21                 | 69                | 65                 |
| Grant         | 3                  | 13                | 12                 |
| Guadalupe     | 2                  | 3                 | 3                  |
| Harding       | 4                  | 5                 | 7                  |
| Hidalgo       | 1                  | 3                 | 3                  |
| Lea           | 15                 | 77                | 64                 |
| Lincoln       | 4                  | 17                | 11                 |
| Los Alamos    | 34                 | 335               | 278                |
| Luna          | 6                  | 16                | 18                 |
| McKinley      | 29                 | 118               | 93                 |
| Mora          | 2                  | 9                 | 8                  |
| Otero         | 25                 | 110               | 77                 |
| Quay          | 14                 | 29                | 25                 |
| Rio Arriba    | 14                 | 49                | 38                 |
| Roosevelt     | 1                  | 7                 | 7                  |
| Sandoval      | 31                 | 34                | 22                 |
| San Juan      | 22                 | 79                | 65                 |
| San Miguel    | 8                  | 9                 | 8                  |
| Santa Fe      | 55                 | 146               | 125                |
| Sierra        | 3                  | 4                 | 6                  |
| Socorro       | 13                 | 15                | 17                 |
| Taos          | 19                 | 40                | 25                 |
| Torrance      | 18                 | 24                | 20                 |
| Union         | 4                  | 11                | 14                 |
| Valencia      | <u>36</u>          | <u>96</u>         | <u>81</u>          |
| Totals        | <u>2003</u>        | <u>6018</u>       | <u>5333</u>        |

Note: All 32 New Mexico counties were represented in the enrollments of each of the sessions of the 1958-59 academic year.

## GEOGRAPHICAL SOURCES OF ENROLLMENT (Continued)

## Students Enrolled from Other States

| <u>State</u>         | <u>1958 Summer</u> | <u>Semester I</u> | <u>Semester II</u> |
|----------------------|--------------------|-------------------|--------------------|
| Alabama              | 1                  | 6                 | 4                  |
| Alaska*              |                    |                   | 2                  |
| Arizona              | 7                  | 18                | 13                 |
| Arkansas             | 7                  | 6                 | 5                  |
| California           | 32                 | 125               | 130                |
| Colorado             | 16                 | 47                | 37                 |
| Connecticut          | 3                  | 7                 | 6                  |
| District of Columbia | 1                  | 4                 | 4                  |
| Florida              | 6                  | 12                | 15                 |
| Georgia              | 2                  | 7                 | 9                  |
| Idaho                |                    | 5                 | 4                  |
| Illinois             | 19                 | 86                | 76                 |
| Indiana              | 7                  | 21                | 21                 |
| Iowa                 | 3                  | 35                | 23                 |
| Kansas               | 8                  | 24                | 19                 |
| Kentucky             | 2                  | 1                 |                    |
| Louisiana            | 2                  | 8                 | 6                  |
| Maine                |                    | 1                 | 2                  |
| Maryland             | 7                  | 9                 | 10                 |
| Massachusetts        | 7                  | 18                | 22                 |
| Michigan             | 12                 | 25                | 20                 |
| Minnesota            | 3                  | 9                 | 7                  |
| Mississippi          | 2                  | 5                 | 4                  |
| Missouri             | 16                 | 18                | 14                 |
| Montana              | 4                  | 2                 | 4                  |
| Nebraska             | 2                  | 6                 | 6                  |
| Nevada               | 7                  | 9                 | 6                  |
| New Hampshire        |                    | 1                 |                    |
| New Jersey           | 10                 | 25                | 27                 |
| New York             | 22                 | 46                | 54                 |
| North Carolina       | 2                  | 4                 | 2                  |
| North Dakota         | 2                  | 5                 | 3                  |
| Ohio                 | 12                 | 32                | 23                 |
| Oklahoma             | 11                 | 19                | 16                 |
| Oregon               | 6                  | 6                 | 5                  |
| Pennsylvania         | 14                 | 29                | 25                 |
| Rhode Island         |                    | 2                 | 2                  |
| South Carolina       |                    | 1                 | 2                  |
| South Dakota         | 4                  | 7                 | 6                  |
| Tennessee            | 4                  | 5                 | 4                  |
| Texas                | 31                 | 90                | 67                 |
| Utah                 | 4                  | 5                 | 4                  |
| Vermont              | 2                  | 2                 | 2                  |
| Virginia             | 3                  | 6                 | 4                  |
| Washington           | 4                  | 6                 | 4                  |
| West Virginia        | 1                  | 2                 | 1                  |
| Wisconsin            |                    | 10                | 7                  |
| Wyoming              | <u>3</u>           | <u>5</u>          | <u>6</u>           |
| Totals               | <u>311</u>         | <u>822</u>        | <u>733</u>         |

\*Alaska, until Semester II, 1958-59, was a territory.

## Students Enrolled from Territories and Other Countries

| Country or Territory | <u>1958 Summer</u> | <u>Semester I</u> | <u>Semester II</u> |
|----------------------|--------------------|-------------------|--------------------|
| Alaska*              | 1                  | 2                 |                    |
| Argentina            | 2                  |                   |                    |
| Australia            |                    | 1                 |                    |
| Brazil               |                    | 1                 | 1                  |
| Burma                |                    | 1                 | 1                  |
| Canada               |                    | 6                 | 4                  |
| Chile                |                    | 2                 | 2                  |
| Cuba                 | 1                  | 3                 | 3                  |
| El Salvador          |                    | 3                 | 2                  |
| Ethiopia             |                    | 1                 | 1                  |
| Free China           | 2                  | 2                 | 4                  |
| Hawaii               | 1                  | 10                | 9                  |
| Honduras             | 1                  | 1                 |                    |
| Hong Kong            |                    | 1                 |                    |
| Hungary              |                    | 3                 | 2                  |
| India                | 2                  |                   |                    |
| Iraq                 | 1                  |                   |                    |
| Italy                |                    | 2                 | 2                  |
| Japan                |                    | 3                 | 3                  |
| Jordan               | 1                  | 1                 | 2                  |
| Korea                |                    | 2                 | 1                  |
| Macao                |                    |                   | 1                  |
| Malaya               |                    | 2                 | 2                  |
| Mexico               | 2                  | 8                 | 7                  |
| Morocco              | 1                  | 1                 | 1                  |
| Nepal                | 2                  | 2                 | 2                  |
| Nicaragua            | 1                  |                   |                    |
| Pakistan             |                    | 4                 | 5                  |
| Panama               |                    | 3                 | 2                  |
| Peru                 |                    | 1                 |                    |
| Philippines          | 1                  | 1                 | 1                  |
| Switzerland          |                    | 1                 | 1                  |
| Syria                |                    | 1                 | 1                  |
| Thailand             | 1                  | 4                 | 5                  |
| Venezuela            | —                  | 1                 | 1                  |
| Totals               | <u>20</u>          | <u>74</u>         | <u>66</u>          |

## SUMMARY OF GEOGRAPHICAL SOURCES OF ENROLLMENT

|                   | <u>1958 Summer</u> | <u>Semester I</u> | <u>Semester II</u> |
|-------------------|--------------------|-------------------|--------------------|
| Residents**       | 2003               | 6018              | 5333               |
|                   | (86%)              | (87%)             | (87%)              |
| Non-Residents**   |                    |                   |                    |
| Other States      | 311                | 822               | 733                |
| Foreign           | <u>20</u>          | <u>74</u>         | <u>66</u>          |
|                   | 331                | 896               | 799                |
|                   | (14%)              | (13%)             | (13%)              |
| Total Enrollments | <u>2334</u>        | <u>6914</u>       | <u>6132</u>        |

\*Alaska was classified as a territory during the 1958 summer and fall sessions.

\*\*Based upon residence for tuition purposes.

**COMPARATIVE ENROLLMENTS - RESIDENT AND NON-RESIDENT**  
**(Based upon Residence for Tuition Purposes)**

**1949-50 through 1958-59**

**SUMMER SESSIONS**

|                   | <u>1949</u> | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| New Mexico        | 1396        | 1522        | 1434        | 850         | 905         | 1075        | 1154        | 1307        | 1672        | 2003        |
| Percent of Total  | (70%)       | (81%)       | (84%)       | (74%)       | (79%)       | (84%)       | (81%)       | (82%)       | (85%)       | (86%)       |
| Out-of-State      | 587         | 356         | 269         | 298         | 241         | 212         | 275         | 291         | 290         | 331         |
| Percent of Total  | (30%)       | (19%)       | (16%)       | (26%)       | (21%)       | (16%)       | (19%)       | (18%)       | (15%)       | (14%)       |
| Total Enrollments | <u>1983</u> | <u>1878</u> | <u>1703</u> | <u>1148</u> | <u>1146</u> | <u>1287</u> | <u>1429</u> | <u>1598</u> | <u>1962</u> | <u>2334</u> |

**FALL SEMESTERS**

|                   | <u>1949</u> | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| New Mexico        | 3130        | 3392        | 2855        | 3171        | 3461        | 4026        | 4402        | 5139        | 5733        | 6018        |
| Percent of Total  | (65%)       | (73%)       | (75%)       | (78%)       | (83%)       | (86%)       | (88%)       | (88%)       | (86%)       | (87%)       |
| Out-of-State      | 1665        | 1251        | 941         | 915         | 702         | 666         | 626         | 715         | 915         | 896         |
| Percent of Total  | (35%)       | (27%)       | (25%)       | (22%)       | (17%)       | (14%)       | (12%)       | (12%)       | (14%)       | (13%)       |
| Total Enrollments | <u>4795</u> | <u>4643</u> | <u>3796</u> | <u>4086</u> | <u>4163</u> | <u>4692</u> | <u>5028</u> | <u>5854</u> | <u>6648</u> | <u>6914</u> |

**SPRING SEMESTERS**

|                   | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> | <u>1959</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| New Mexico        | 3105        | 3063        | 2678        | 3060        | 3210        | 3700        | 4071        | 4846        | 5294        | 5333        |
| Percent of Total  | (69%)       | (75%)       | (75%)       | (80%)       | (84%)       | (86%)       | (88%)       | (88%)       | (86%)       | (87%)       |
| Out-of-State      | 1396        | 1015        | 885         | 785         | 609         | 583         | 558         | 642         | 852         | 799         |
| Percent of Total  | (31%)       | (25%)       | (25%)       | (20%)       | (16%)       | (14%)       | (12%)       | (12%)       | (14%)       | (13%)       |
| Total Enrollments | <u>4501</u> | <u>4078</u> | <u>3563</u> | <u>3845</u> | <u>3819</u> | <u>4283</u> | <u>4629</u> | <u>5488</u> | <u>6146</u> | <u>6132</u> |

## COMPARATIVE ENROLLMENTS - CIVILIAN AND VETERAN

1949-50 through 1958-59

SUMMER SESSIONS

|                   | <u>1949</u> | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Civilians         | 922         | 1027        | 951         | 854         | 913         | 1001        | 1097        | 1233        | 1619        | 2020        |
| Percent of Total  | (46%)       | (55%)       | (56%)       | (74%)       | (80%)       | (78%)       | (77%)       | (77%)       | (83%)       | (87%)       |
| Veterans          | 1061        | 851         | 752         | 294         | 233         | 286         | 332         | 365         | 343         | 314         |
| Percent of Total  | (54%)       | (45%)       | (44%)       | (26%)       | (20%)       | (22%)       | (23%)       | (23%)       | (17%)       | (13%)       |
| Total Enrollments | <u>1983</u> | <u>1878</u> | <u>1703</u> | <u>1148</u> | <u>1146</u> | <u>1287</u> | <u>1429</u> | <u>1598</u> | <u>1962</u> | <u>2334</u> |

FALL SEMESTERS

|                   | <u>1949</u> | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Civilians         | 2560        | 2975        | 2761        | 3329        | 3441        | 3793        | 3869        | 4647        | 5439        | 5857        |
| Percent of Total  | (53%)       | (64%)       | (73%)       | (81%)       | (83%)       | (81%)       | (77%)       | (79%)       | (82%)       | (85%)       |
| Veterans          | 2235        | 1668        | 1035        | 757         | 722         | 899         | 1159        | 1207        | 1209        | 1057        |
| Percent of Total  | (47%)       | (36%)       | (27%)       | (19%)       | (17%)       | (19%)       | (23%)       | (21%)       | (18%)       | (15%)       |
| Total Enrollments | <u>4795</u> | <u>4643</u> | <u>3796</u> | <u>4086</u> | <u>4163</u> | <u>4692</u> | <u>5028</u> | <u>5854</u> | <u>6648</u> | <u>6914</u> |

SPRING SEMESTERS

|                   | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> | <u>1959</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Civilians         | 2426        | 2621        | 2750        | 3147        | 3110        | 3310        | 3514        | 4344        | 5023        | 5173        |
| Percent of Total  | (54%)       | (64%)       | (77%)       | (82%)       | (81%)       | (77%)       | (76%)       | (79%)       | (82%)       | (84%)       |
| Veterans          | 2075        | 1457        | 813         | 698         | 709         | 973         | 1115        | 1144        | 1123        | 959         |
| Percent of Total  | (46%)       | (36%)       | (23%)       | (18%)       | (19%)       | (23%)       | (24%)       | (21%)       | (18%)       | (16%)       |
| Total Enrollments | <u>4501</u> | <u>4078</u> | <u>3563</u> | <u>3845</u> | <u>3819</u> | <u>4283</u> | <u>4629</u> | <u>5488</u> | <u>6146</u> | <u>6132</u> |

## COMPARATIVE ENROLLMENTS - MEN AND WOMEN

1949-50 through 1958-59

SUMMER SESSIONS

|                   | <u>1949</u> | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Men               | 1347        | 1281        | 1190        | 688         | 647         | 738         | 861         | 962         | 1160        | 1279        |
| Percent of Total  | (68%)       | (68%)       | (70%)       | (60%)       | (56%)       | (57%)       | (60%)       | (60%)       | (59%)       | (55%)       |
| Women             | 636         | 597         | 513         | 460         | 499         | 549         | 568         | 636         | 802         | 1055        |
| Percent of Total  | (32%)       | (32%)       | (30%)       | (40%)       | (44%)       | (43%)       | (40%)       | (40%)       | (41%)       | (45%)       |
| Total Enrollments | <u>1983</u> | <u>1878</u> | <u>1703</u> | <u>1148</u> | <u>1146</u> | <u>1287</u> | <u>1429</u> | <u>1598</u> | <u>1962</u> | <u>2334</u> |

FALL SEMESTERS

|                   | <u>1949</u> | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Men               | 3554        | 3358        | 2718        | 2889        | 2905        | 3336        | 3658        | 4291        | 4878        | 4998        |
| Percent of Total  | (74%)       | (72%)       | (72%)       | (71%)       | (70%)       | (71%)       | (73%)       | (73%)       | (73%)       | (72%)       |
| Women             | 1241        | 1285        | 1078        | 1197        | 1258        | 1356        | 1370        | 1563        | 1770        | 1916        |
| Percent of Total  | (26%)       | (28%)       | (28%)       | (29%)       | (30%)       | (29%)       | (27%)       | (27%)       | (27%)       | (28%)       |
| Total Enrollments | <u>4795</u> | <u>4643</u> | <u>3796</u> | <u>4086</u> | <u>4163</u> | <u>4692</u> | <u>5028</u> | <u>5854</u> | <u>6648</u> | <u>6914</u> |

SPRING SEMESTERS

|                   | <u>1950</u> | <u>1951</u> | <u>1952</u> | <u>1953</u> | <u>1954</u> | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> | <u>1959</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Men               | 3329        | 2950        | 2502        | 2703        | 2690        | 3051        | 3385        | 4059        | 4512        | 4384        |
| Percent of Total  | (74%)       | (72%)       | (70%)       | (70%)       | (70%)       | (71%)       | (73%)       | (74%)       | (73%)       | (71%)       |
| Women             | 1172        | 1128        | 1061        | 1142        | 1129        | 1232        | 1244        | 1429        | 1634        | 1748        |
| Percent of Total  | (26%)       | (28%)       | (30%)       | (30%)       | (30%)       | (29%)       | (27%)       | (26%)       | (27%)       | (29%)       |
| Total Enrollments | <u>4501</u> | <u>4078</u> | <u>3563</u> | <u>3845</u> | <u>3819</u> | <u>4283</u> | <u>4629</u> | <u>5488</u> | <u>6146</u> | <u>6132</u> |

## WITHDRAWALS RELATED TO TOTAL ENROLLMENTS

1957-58 and 1958-59

## SEMESTER I

|                       | 1957-58                        |                               | 1958-59                        |                               |
|-----------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|
|                       | <u>With-</u><br><u>drawals</u> | <u>% of</u><br><u>Enroll.</u> | <u>With-</u><br><u>drawals</u> | <u>% of</u><br><u>Enroll.</u> |
| First Week            | 15*                            | 0.23%                         | 36*                            | 0.52%                         |
| Second Week           | <u>50</u>                      | 0.75%                         | <u>44</u>                      | 0.64%                         |
| Total First Two Weeks | 65*                            | 0.98%                         | 80*                            | 1.16%                         |
| 3 - 4 Weeks           | 112                            | 1.68%                         | 81                             | 1.17%                         |
| 5 - 8 Weeks           | 149                            | 2.24%                         | 118                            | 1.71%                         |
| 9 - 16 Weeks          | <u>145</u>                     | <u>2.18%</u>                  | <u>175</u>                     | <u>2.53%</u>                  |
| Totals                | <u>471</u>                     | <u>7.08%</u>                  | <u>454</u>                     | <u>6.57%</u>                  |

## SEMESTER II

|                       | 1957-58                        |                               | 1958-59                        |                               |
|-----------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|
|                       | <u>With-</u><br><u>drawals</u> | <u>% of</u><br><u>Enroll.</u> | <u>With-</u><br><u>drawals</u> | <u>% of</u><br><u>Enroll.</u> |
| First Week            | 12*                            | 0.20%                         | 16*                            | 0.26%                         |
| Second Week           | <u>32</u>                      | 0.52%                         | <u>25</u>                      | 0.41%                         |
| Total First Two Weeks | 44*                            | 0.72%                         | 41*                            | 0.67%                         |
| 3 - 4 Weeks           | 72                             | 1.17%                         | 60                             | 0.98%                         |
| 5 - 8 Weeks           | 96                             | 1.56%                         | 84                             | 1.37%                         |
| 9 - 16 Weeks          | <u>134</u>                     | <u>2.18%</u>                  | <u>73</u>                      | <u>1.19%</u>                  |
| Totals                | <u>346</u>                     | <u>5.63%</u>                  | <u>258</u>                     | <u>4.21%</u>                  |

\*Students who withdrew with full refund during the first week of a semester were not counted in enrollment or withdrawal figures.



**GRADE POINT AVERAGE SUMMARIES****ACADEMIC YEAR****1958-59**

## COMPARATIVE SUMMARY OF GRADE-POINT AVERAGES

Fall Semesters, 1957-58 and 1958-59

|                         | <u>Fall 1957-58</u> | <u>Fall 1958-59</u> |
|-------------------------|---------------------|---------------------|
| *All University Average | 1.3557              | 1.3507              |
| *All University Men     | 1.2866              | 1.2649              |
| *Civilian Men           | 1.2425              | 1.2388              |
| *Veteran Men            | 1.3881              | 1.3435              |
| *All University Women   | 1.5259              | 1.5460              |
| *Civilian Women         | 1.5250              | 1.5448              |
| *Veteran Women          | 1.6182              | 1.6790              |

\*Averages exclude Graduate School, College of Law, and Non-degree.

SCHOLARSHIP STANDING BY CLASSES  
(Excluding Graduate School and College of Law)

|                              | <u>Fall 1957-58</u> | <u>Fall 1958-59</u> |
|------------------------------|---------------------|---------------------|
| Freshman Class Average       | 1.1347              | 1.0740              |
| Men                          | 1.0684              | 0.9851              |
| Women                        | 1.2736              | 1.2570              |
| Sophomore Class Average      | 1.3594              | 1.3842              |
| Men                          | 1.2568              | 1.2945              |
| Women                        | 1.6100              | 1.5843              |
| Junior Class Average         | 1.5346              | 1.5148              |
| Men                          | 1.4530              | 1.3857              |
| Women                        | 1.7587              | 1.8278              |
| Senior Class Average         | 1.7249              | 1.7825              |
| Men                          | 1.6613              | 1.7230              |
| Women                        | 1.9345              | 1.9578              |
| *Fifth Year Class Average    |                     | 1.7000              |
| Men                          |                     | 1.7000              |
| Unclassified Student Average | 1.2426              | 1.5082              |
| Men                          | 1.2118              | 1.2350              |
| Women                        | 1.3318              | 1.8394              |
| Non-degree Student Average   | 1.3378              | 1.3668              |
| Men                          | 1.2430              | 1.2466              |
| Women                        | 1.6229              | 1.6248              |

\*The classification of fifth year for undergraduate study became necessary upon establishment of the five-year degree program in Architecture.

SCHOLARSHIP STANDING BY COLLEGES

577

|                         | <u>Fall 1957-58</u> | <u>Fall 1958-59</u> |
|-------------------------|---------------------|---------------------|
| University College      | 1.1282              | 1.0923              |
| Men                     | 1.0744              | 1.0076              |
| Women                   | 1.2578              | 1.2701              |
| Arts and Sciences       | 1.5647              | 1.5950              |
| Men                     | 1.4862              | 1.5152              |
| Women                   | 1.7580              | 1.7910              |
| Business Administration | 1.3106              | 1.3718              |
| Men                     | 1.2929              | 1.3576              |
| Women                   | 1.4678              | 1.4881              |
| Education               | 1.6545              | 1.7679              |
| Men                     | 1.5303              | 1.5758              |
| Women                   | 1.7301              | 1.8825              |
| Engineering             | 1.3871              | 1.4381              |
| Men                     | 1.3863              | 1.4408              |
| Women                   | 1.4345              | 1.1351              |
| Fine Arts               | 1.5525              | 1.6228              |
| Men                     | 1.4877              | 1.5368              |
| Women                   | 1.6000              | 1.7029              |
| Graduate School         | 2.1991              | 2.2130              |
| Men                     | 2.1685              | 1.1861              |
| Women                   | 2.3215              | 2.3311              |
| Law                     | 1.1781              | 1.2773              |
| Men                     | 1.1551              | 1.2629              |
| Women                   | 1.4184              | 1.5490              |
| Nursing                 | 1.6673              | 1.8999              |
| Women                   | 1.6673              | 1.8999              |
| Pharmacy                | 1.3263              | 1.5216              |
| Men                     | 1.3134              | 1.5058              |
| Women                   | 1.4444              | 1.6465              |

SCHOLARSHIP STANDING\*  
NON-FRATERNITY AND FRATERNITY GROUPS

|                    | <u>Fall 1957-58</u> | <u>Fall 1958-59</u> |
|--------------------|---------------------|---------------------|
| Unaffiliated Men   | 1.3052              | 1.2678              |
| Fraternity Men     | 1.2071              | 1.2517              |
| Fraternity Actives | 1.2405              | 1.2579              |
| Fraternity Pledges | 1.1544              | 1.2417              |
| Unaffiliated Women | 1.4779              | 1.5048              |
| Sorority Women     | 1.6111              | 1.6274              |
| Sorority Actives   | 1.7769              | 1.6973              |
| Sorority Pledges   | 1.3649              | 1.5281              |

\*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, 1958-59 ACADEMIC YEAR

| <u>College and Class</u> | <u>Upper<br/>One-fourth<br/>of Class</u> | <u>Upper<br/>One-half<br/>of Class</u> | <u>Upper<br/>Two-thirds<br/>of Class</u> | <u>Upper<br/>Three-fourths<br/>of Class</u> |
|--------------------------|--|--|--|---|
| UNIVERSITY COLLEGE       |  |  |  |   |
| Freshmen                 | 1.4667                                   | 1.000                                  | 0.8148                                   | 0.6774                                      |
| Sophomore                | 1.5172                                   | 1.1600                                 | 1.0000                                   | 0.8750                                      |
| ARTS AND SCIENCES        |  |  |  |   |
| Sophomore                | 2.0000                                   | 1.4705                                 | 1.2143                                   | 1.0800                                      |
| Junior                   | 2.0000                                   | 1.4839                                 | 1.3000                                   | 1.1154                                      |
| Senior                   | 1.9655                                   | 1.5833                                 | 1.4286                                   | 1.3000                                      |
| BUSINESS ADMINISTRATION  |  |  |  |   |
| Sophomore                | 1.7500                                   | 1.2812                                 | 1.1000                                   | 0.9643                                      |
| Junior                   | 1.7000                                   | 1.2703                                 | 1.1000                                   | 0.9687                                      |
| Senior                   | 2.0000                                   | 1.5484                                 | 1.3333                                   | 1.2727                                      |
| EDUCATION                |  |  |  |   |
| Sophomore                | 2.0000                                   | 1.5000                                 | 1.2188                                   | 1.1724                                      |
| Junior                   | 1.8889                                   | 1.5200                                 | 1.1304                                   | 1.0938                                      |
| Senior                   | 2.2692                                   | 1.6176                                 | 1.5714                                   | 1.4444                                      |
| ENGINEERING              |  |  |  |   |
| Sophomore                | 1.8750                                   | 1.3548                                 | 1.1479                                   | 1.0313                                      |
| Junior                   | 1.7500                                   | 1.4000                                 | 1.1290                                   | 0.9722                                      |
| Senior                   | 2.2368                                   | 1.7576                                 | 1.5556                                   | 1.5000                                      |
| FINE ARTS                |  |  |  |   |
| Sophomore                | 1.9706                                   | 1.7917                                 | 1.7586                                   | 1.0416                                      |
| Junior                   | 1.9714                                   | 1.6875                                 | 1.4000                                   | 1.0370                                      |
| Senior                   | 2.2857                                   | 1.6154                                 | 1.4118                                   | 1.3939                                      |
| LAW                      |  |  |  |   |
| First Year               | 1.6333                                   | 1.1333                                 | 0.7333                                   | 0.6667                                      |
| Second Year              | 1.8276                                   | 1.4138                                 | 1.0740                                   | 1.0370                                      |
| Third Year               | 1.6538                                   | 1.4167                                 | 1.2308                                   | 1.1600                                      |
| PHARMACY                 |  |  |  |   |
| Sophomore                | 1.7059                                   | 1.3548                                 | 1.1563                                   | 0.7083                                      |
| Junior                   | 1.8529                                   | 1.6563                                 | 1.5600                                   | 1.5000                                      |
| Senior                   | 2.1563                                   | 2.0000                                 | 2.0000                                   | 2.0000                                      |

Note: There were no full-time male students in the College of Nursing during 1958-59.

**DEGREES CONFERRED**

## DEGREES, DIPLOMAS, AND CERTIFICATES CONFERRED

| Year    | Earned Degrees |             |            |            | Total<br>Earned<br>Degrees | Honorary<br>Degrees | Two-Year<br>Certificates<br>and Diplomas |
|---------|----------------|-------------|------------|------------|----------------------------|---------------------|--|
|         | Bachelor's     | Master's    | Law        | Doctor's   |                            |                     |  |
| 1901-49 | 4530           | 763         |            | 6          | 5299                       | 48                  | 210                                      |
| 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                                       |
| 1958    | 524            | 144         | 9          | 16         | 693                        | 4                   | 1  |
| 1959    | <u>588</u>     | <u>157</u>  | <u>27</u>  | <u>13</u>  | <u>785</u>                 | <u>1</u>            | <u>2</u>                                 |
| Totals  | <u>10275</u>   | <u>2060</u> | <u>202</u> | <u>114</u> | <u>12651</u>               | <u>73</u>           | <u>619</u>                               |

## DEGREES CONFERRED BY COLLEGES

College of Arts and Sciences

| <u>Year</u> | <u>B. A.</u> | <u>B. S.</u> | <u>B. B. A.</u> | <u>Total</u> |
|-------------|--------------|--------------|-----------------|--------------|
| 1901-49     | 1595         | 456          | 71              | 2122         |
| 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        | 94           | 52           |                 | 146          |
| 1958        | 109          | 74           |                 | 183          |
| 1959        | <u>125</u>   | <u>66</u>    | <u>—</u>        | <u>191</u>   |
| Totals      | <u>2836</u>  | <u>1033</u>  | <u>71</u>       | <u>3940</u>  |

## Degrees Conferred by Colleges - Continued

College of Education

| <u>Year</u> | B. A.<br>in<br><u>Educ.</u> | B. S.<br>in<br><u>Educ.</u> | B. S.<br>in<br><u>H. &amp; P. E.</u> | B. S.<br>in<br><u>I. A. Educ.</u> | <u>Total</u> |
|-------------|-----------------------------|-----------------------------|--------------------------------------|-----------------------------------|--------------|
| 1929-49     | 826                         | 423                         | 103                                  | 2                                 | 1354         |
| 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        | 43                          | 60                          | 19                                   | 8                                 | 130          |
| 1958        | 46                          | 71                          | 18                                   | 5                                 | 140          |
| 1959        | <u>49</u>                   | <u>85</u>                   | <u>24</u>                            | <u>10</u>                         | <u>168</u>   |
| Totals      | <u>1388</u>                 | <u>1055</u>                 | <u>325</u>                           | <u>80</u>                         | <u>2848</u>  |

College of Engineering

| <u>Year</u> | B. S.<br>in<br><u>Arch. E.</u> | B. S.<br>in<br><u>Ch. E.</u> | B. S.<br>in<br><u>C. E.</u> | B. S.<br>in<br><u>E. E.</u> | B. S.<br>in<br><u>I. A.</u> | B. S.<br>in<br><u>M. E.</u> | <u>Misc.</u> | Bach.<br>of<br><u>Arch.</u> | <u>Total</u> |
|-------------|--------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------|-----------------------------|--------------|
| 1910-49     |                                | 26                           | 287                         | 219                         | 4                           | 208                         | 15           |                             | 759          |
| 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        | 7                              | 14                           | 26                          | 33                          |                             | 29                          |              |                             | 109          |
| 1958        | 6                              | 14                           | 21                          | 36                          |                             | 28                          |              |                             | 105          |
| 1959        | <u>4</u>                       | <u>9</u>                     | <u>26</u>                   | <u>46</u>                   | <u>—</u>                    | <u>38</u>                   | <u>—</u>     | <u>3</u>                    | <u>126</u>   |
| Totals      | <u>74</u>                      | <u>135</u>                   | <u>599</u>                  | <u>523</u>                  | <u>50</u>                   | <u>493</u>                  | <u>15</u>    | <u>3</u>                    | <u>1892</u>  |

## Degrees Conferred by Colleges - Continued

College of Fine Arts

| <u>Year</u> | <u>B. F. A.<br/>in Art</u> | <u>B. F. A.<br/>Dram. Art</u> | <u>B. F. A.<br/>Music</u> | <u>B. F. A.</u> | <u>B. A.<br/>in<br/>F. A.</u> | <u>Total</u> |
|-------------|----------------------------|-------------------------------|---------------------------|-----------------|-------------------------------|--------------|
| 1937-49     | 80                         | 18                            | 24                        | 2               |                               | 124          |
| 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        | 14                         | 2                             | 5                         |                 |                               | 21           |
| 1958        | 16                         | 4                             | 7                         |                 | 1                             | 28           |
| 1959        | <u>13</u>                  | <u>4</u>                      | <u>8</u>                  | <u>—</u>        | <u>—</u>                      | <u>25</u>    |
| Totals      | <u>270</u>                 | <u>78</u>                     | <u>106</u>                | <u>3</u>        | <u>2</u>                      | <u>459</u>   |

College of Business Administration

| <u>Year</u> | <u>B. B. A.</u> |
|-------------|-----------------|
| 1948-49     | 145             |
| 1950        | 130             |
| 1951        | 112             |
| 1952        | 82              |
| 1953        | 61              |
| 1954        | 58              |
| 1955        | 85              |
| 1956        | 63              |
| 1957        | 64              |
| 1958        | 57              |
| 1959        | <u>55</u>       |
| Total       | <u>912</u>      |



## Degrees Conferred by Colleges - Continued

| <u>College of Pharmacy</u> |                        | <u>College of Law</u> |               |
|----------------------------|------------------------|-----------------------|---------------|
| <u>Year</u>                | <u>B. S. in Pharm.</u> | <u>Year</u>           | <u>LL. B.</u> |
| 1949                       | 26                     | 1950                  | 27            |
| 1950                       | 28                     | 1951                  | 39            |
| 1951                       | 23                     | 1952                  | 23            |
| 1952                       | 25                     | 1953                  | 19            |
| 1953                       | 27                     | 1954                  | 7             |
| 1954                       | 13                     | 1955                  | 17            |
| 1955                       | 13                     | 1956                  | 15            |
| 1956                       | 16                     | 1957                  | 19            |
| 1957                       | 19                     | 1958                  | 9             |
| 1958                       | 11                     | 1959                  | 27            |
| 1959                       | 11                     |                       |               |
| Total                      | <u>212</u>             | Total                 | <u>202</u>    |

College of Nursing

| <u>Year</u> | <u>B. S. in Nurs.</u> |
|-------------|-----------------------|
| 1959        | <u>12</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. Educ.</u> | <u>Ph. D.</u> | <u>Total Earned Degrees</u> | <u>Honorary Degrees</u> |
|-------------|--------------|--------------|----------------|-----------------|----------------------|---------------|-----------------------------|-------------------------|
| 1917-49     | 668          | 93           | 1              | 1               |                      | 6             | 769                         | 48                      |
| 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        | 83           | 29           |                | 2               |                      | 16            | 130                         | 2                       |
| 1958        | 84           | 53           |                | 4               | 3                    | 16            | 160                         | 4                       |
| 1959        | 91           | 58           |                | 4               | 4                    | 13            | 170                         | 1                       |
| Totals      | <u>1587</u>  | <u>433</u>   | <u>14</u>      | <u>18</u>       | <u>8</u>             | <u>114</u>    | <u>2174</u>                 | <u>73</u>               |

THE REPORT OF THE UNIVERSITY COUNSELING AND TESTING SERVICES

July 1, 1958 - June 30, 1959

A. A. Wellock, Director

# THE REPORT OF THE UNIVERSITY COUNSELING AND TESTING SERVICES

July 1, 1958 - June 30, 1959

A. A. Wellick, 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 divided into two parts. One part deals with the tests that are sponsored by the University, and the other part deals 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. Eighteen hundred and sixty-two (1862) freshmen and four hundred and forty-two (442) 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 Ability Test.
- b. The English Proficiency Examination
- c. The Area and Advanced Tests of the Graduate Record Examination for seniors
- d. The Aptitude and Advanced Tests of the Graduate Record Examination for graduate students.

The English Proficiency Examination was required by each one of the following colleges: Arts and Sciences, Business Administration, Education, Engineering, Fine Arts, Nursing, and the College of Pharmacy. Each of the degree granting colleges now requires students who wish to transfer from the University College to pass this examination prior to admittance. Some changes in these requirements will be made by some of the colleges this next year. Fifteen hundred and forty-three (1543) students took this examination this past year on special testing dates. It is worthwhile noting that students who did not pass this examination on the first trial are, on the whole, grateful for the opportunity to acquire the knowledge necessary to pass this examination.

The nature, or composition and organization, of the Graduate Record Examination for college seniors was 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 three hours and forty-five minutes 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, art, journalism, and a few other fields. Five hundred and eighty-eight (588) seniors took the Graduate Record Examination this past year as compared with 619 for the year of 1957-58.

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. Two hundred and twenty (220) graduate students took the Graduate Record Examination this past year as compared with 224 for the year of 1957-58.

The Statewide Tests for High School Juniors are now sponsored jointly by the University of New Mexico, The New Mexico State University, New Mexico Western College, New Mexico Highlands University, Eastern New Mexico University, and New Mexico Institute of Mining and Technology. The cooperating institutions contributed \$3,115.65 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, 7767; in 1956, 9013; in 1957, 9388; and in 1958, 10,900.

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 Admission Test, Navy College Aptitude Test, and the Graduate School Selection Test. Fees received for the administration of these tests are deposited with the Comptroller. This past year \$402.78 was so deposited as compared with \$306.64 during 1957-58.

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 years old. One hundred and sixty-seven (167) 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. As a result of my recommendation, the State Board of Education raised the passing score from 35 to 40. This new passing scores has made the high school equivalency certificate more meaningful than it has been in the past.

### Individual Testing

Students come in for individual testing and counseling when they are uncertain as to a vocational or educational objective. Somewhat over 200 students took a complete battery of tests this past year. Several times this number came in for counseling but did not have to take any tests other than those taken at the 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 still 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. At present most of the students who are referred to this office are already so deeply involved in problems that much time is consumed in getting them straightened out. It would be much better if we could see these people before their problems became acute.

### Research

The titles of some of the studies made during the past year follow:

1. A Study of the Results of the Area Tests of the Graduate Record Examination at the University of New Mexico, 1954-58. Wellick
2. A Study of the Results of the Area Tests of the Graduate Record Examination as They Relate to the College of Arts and Sciences of the University of New Mexico, 1954-58. Wellick

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 that is gathered together and made available is well received.

### Test Scoring Service

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. The Navajo Tribal Council was assisted again this year in selecting many of its people for scholarships. The Jicarillo Apache Tribe is now also using our tests in selecting students for scholarships.

### Remedial Reading

Mrs. Gene L. Chievitz, who is our reading specialist, is being called upon more and more to give assistance to college students who have reading difficulties or are in need of study skills. This increase in students means that it will be necessary for her to use group methods more and more instead of individual conferences in spite of the fact that only those who are likely to profit from such services are selected. Almost all of these cases require weekly meetings extending over several months. Because many students with high scholastic aptitude have not established efficient study skills and do not read adequately to meet the demands of college assignments, a full time assistant is needed.

There is no longer time to do more than advise parents of children who require reading assistance.

### Community Services

The Director of Counseling and Testing Services was a public representative on the New Mexico State Apprenticeship Council for the past three years. During the last year he served as president of this Council.

The Director is being called upon to give talks to service clubs, P.T.A. organizations, school faculties, etc. A commencement address was given at Magdalena in May.

### Veterans Affairs

Mr. H. 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 Veterans 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, changes 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, 1958-59, there were 1113 veterans and war orphans enrolled and for semester II, 1958-59, there were 1021. This is a decrease in veteran enrollment of about 10.5 percent and 12 percent for each respective semester over the previous semesters. This is in line with the national average decrease in veteran enrollment.

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 this monthly certification. For the fiscal year 1958-59 these fees amounted to a total of \$9585.



### Professional Activities of Director

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., 4 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, 1956-57, and 1957-58.

Delegate to the Assembly of the National Vocational Guidance Association, 1955-56, 1956-57, 1957-58, and 1958-59.

Member of Professional Standards Committee of A.C.P.A. 1957-58 and 1958-59.

State Membership Chairman of 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, 8 years.

President, New Mexico Chapter of American Society of Training Directors, 1959.

### Personnel Changes

Mrs. Jocelyn Ellington joined the staff as a clerk typist in September, 1958. She took the place vacated by Mrs. Barbara Lightwine.

### 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 educational counselor.
2. A second remedial reading specialist.

The Report of the Placement Bureau  
July 1, 1958 - June 30, 1959  
Robert G. Lalicker, Director

### General

On November 1, 1958, the Education Placement Bureau, which had formerly been administered by the College of Education, was merged with the General Placement Bureau, a division of Student Affairs. This combination is now known as the Placement Bureau and is under the jurisdiction of the Director of Student Affairs in all matters.

A number of personnel changes took place within the Bureau during the past year. Warren F. Lee resigned his position as Director on September 7, 1958, to accept a position in industry. He was replaced by Robert G. Lalicker, who assumed his duties on November 1, 1958. Miss Darlene Dorsey, Bureau secretary, resigned on July 31, 1958, to get married and her replacement, Mrs. Beverly Coleman, assumed her duties on July 24, 1958. Mrs. Coleman left the Bureau on December 5, 1958, and was replaced on December 12, 1958, by Mrs. Lois Young. When the Bureau took over its responsibilities in educational placement, it was necessary to hire a secretary on a half-time basis with duties in this area. Mrs. Marilyn Millsbaugh was hired for this position on November 24, 1958, but found it necessary to terminate on May 22, 1959, when her husband left the University. She was replaced on May 18, 1959, by Mrs. Ruth Merriam.

The primary functions of the Bureau remain unchanged: assisting students in finding part-time employment and aiding graduating seniors, alumni, and other qualified persons in securing suitable and satisfactory employment in permanent positions. No charges are made to any of our registrants.

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## PART I

## Full-Time Employment

Business, industry, and the government are still taking a cautious look at college recruiting as a result of the economic recession of 1957-58 that brought about a sharp curtailment in their employment of college graduates. It appears, however, that they are emerging from this position but are still being very selective in making job offers. Another reason for this greater selectivity is the fact that this year's record senior class of 320,000 is 10% larger than in 1958.

Even with this selectivity, nearly all of the 1959 business and technical graduates of the University of New Mexico who were actively seeking jobs found suitable employment and received higher starting salaries than their predecessors. Seventy percent of our graduates in these fields registered with the Bureau this year; seventy-six percent of these received direct assistance in securing the offer of employment that was finally accepted. It is important to note that 45 business and technical graduates planned to continue their work toward advanced degrees and 40 of them entered the military service immediately after graduation. This, naturally, decreased the number of graduates actually available for placement. The number of non-business and non-technical graduates, other than education graduates, was not large enough to be considered in this report. An effort is being made to inform all seniors in these various departments of the services available through the Bureau so more of them can take advantage of our offerings.

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One hundred and thirty-four organizations or agencies in business, industry, and government sent representatives to our campus this year to conduct interviews with our students. Dozens of other companies visited the Bureau to discuss their personnel needs and use our registrant files. During the recruiting "season" from the first of October through the month of April, a total of 1,812 personal interviews were conducted, or an average of nearly eight per registrant.

Companies and Organizations Recruiting on Campus  
1958 - 1959

|   |   |
|---|---|
| Aetna Life Ins. Co., Albuquerque, El Paso | Crane Co., Ill.                         |
| Airesearch Mfg. Co., Calif.               | Cutler-Hammer Inc., Colo.               |
| Allis Chalmers Mfg. Co., Wisc.            | Douglas Aircraft Co., Calif.            |
| ACF Ind., Albuquerque                     | Equitable Life Assur. Soc., Albuquerque |
| Amer. Instit. of Foreign Trade, Ariz.     | Ernst & Ernst, Albuquerque              |
| Amer. Potash & Chem. Corp., Calif.        | First National Bank, Albuquerque        |
| Anaconda Copper Mining Co., Utah          | Food Mach. & Chem. Corp., Calif.        |
| Argonne Nat'l Lab., Ill.                  | General Motors, AC Spark Plugs, Mich.   |
| Arthur Anderson & Co., Colo.              | General Electric Co., N.Y.              |
| Astrodyne, Inc., Texas                    | W. T. Grant Co., Texas                  |
| Bankers Life of Iowa, Albuquerque         | Heroules Powder, Utah                   |
| Bell System, 5 Divs.                      | Hughes Res. & Dev., Calif.              |
| Bethlehem Steel Corp., Calif.             | Humble Oil & Ref. Co., Texas            |
| Boeing Airplane Co., 2 Divs., Wash., Ka.  | Ideal Cement Co., Albuquerque           |
| Boy Scouts of Amer., Nat'l, Albuquerque   | IBM, N.Y., Albuquerque                  |
| Conn. Mutual Life, Albuquerque            | J. C. Penney, Albuquerque               |
| Calif. Packing Corp., Calif.              | Jet Propulsion Lab (Cal. Tech), Calif.  |
| Calif. State Personnel Board, Calif.      | Johnson Service Co., Wisc.              |
| Campfire Girls, Nat'l, Texas              | Kaiser Steel Corp., Calif.              |
| Celanese Corp. of Amer., Texas            | Kennecott Copper, Utah                  |
| Chance-Vought Aircraft, Texas             | S. H. Kress & Co. N.Y.                  |
| Chicago Bridge & Iron Co., Texas          | Librascope Incorp., Calif.              |
| City of Gallup, N.M.                      | Litton Industries, Calif.               |
| City of L.A., Calif.                      | Long Beach State College, Calif.        |
| College Life Ins. Co., Ind.               | Magnolia Petro. Co., 5 Divs.            |
| Columbia-Southern Chem. Corp., Texas      | Montgomery Ward, N.Y.                   |
| Continental Oil Co., 2 Divs., Okla.       | Martin, Glenn L. Co., Colo              |
| Convair, Astronautics, Calif.             | Marquardt Aircraft, Utah                |
| Convair, San Diego, Calif.                | Minn.-Honeywell, Minn. (for all Divs.)  |
| Convair, Ft. Worth, Texas                 | New Mexico State Planning Office, N.M.  |

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|  |  |
|--|--|
| New York Life, Albuquerque.                    | U.S. Army Ordn. Miss. Com., 2 Divs.        |
| North Amer. Aviation, 5 Divs., Calif.          | U.S. Bureau of Land Mgm., N.M.             |
| Northwestern Mutual Life, Wisc.                | U.S. Bureau of Reclamation, N.M.           |
| Peat Marwick Mitchell & Co., Albuquerque.      | U.S. Dept. Com., Coast & Geodetic, Texas   |
| Philco Corp., Pa.                              | U.S. Civil Service Comm.                   |
| Phillips Petro., Okla.                         | U.S. Federal Aviation Agency, Calif.       |
| Procter & Gamble Distrib., Nat'l, Albuquerque. | U.S. Food & Drug Adm., Wash., D.C.         |
| Procter & Gamble Co., Ohio                     | U.S. Forest Service, N.M., Ariz.           |
| Pure Oil, Ill, Okla.                           | U.S. General Acct. Office, Albuquerque.    |
| RGA, N.J.                                      | U.S. Immigration, Texas                    |
| Sears Roebuck & Co., Texas, Calif.             | U.S. Mare Is. Naval Shipyard, Calif.       |
| Shell Oil, 4 Divs., Texas, Calif.              | U.S. Nat'l Aero. & Space, 2 Divs.          |
| Socony-Mobil, N.Y.                             | U.S. Navy Air Develop. Center, Pa.         |
| Southern Calif. Edison, Calif.                 | U.S. Navy Electronic Lab., Calif.          |
| Southwestern Invest. Co., Texas                | U.S.N. Ordnance Test Station, Calif.       |
| Sperry Gyroscope, Utah                         | U.S.N. Ordnance Lab., Calif.               |
| Standard Oil of Texas, Texas                   | U.S. Ordnance Weapons Com. (56 corps)      |
| Temco Aircraft Corp., Texas                    | U.S. Pacific Missile Range, Calif.         |
| Texaco, 3 Divs., Texas                         | U.S. San Bern. Air Material, Calif.        |
| Texas Instruments, 2 Divs., Texas              | U.S. San Francisco Naval Shpyd, Calif.     |
| Thiokol Chem. Corp., Utah                      | U.S. Soil Conservation, Albuquerque.       |
| Trane Co., Wisc.                               | U. S. Gypsum, 2 Divs., Albuquerque, Calif. |
| Union Carbide & Carbon Corp., 2 Divs., Tex     | U.S. Steel Corp, 17 Divs., Pa.             |
| U. of Calif. Radiation Lab, Nev.               | Upjohn Co., Colo.                          |
| U. of Calif., Los Alamos Sci. Lab., N.M.       | Westinghouse Elect. Corp., 2 Divs., Pa.    |
| U.S. Army Corps of Engr., Albuquerque.         | Los Angeles County Civil Service, Calif.   |

Number of Organizations Which Conducted Interviews on Campus  
Representing the Various Types of Activity

|  | <u>1957</u> | <u>1958</u> | <u>1959</u> |
|--|-------------|-------------|-------------|
| 1. Federal, State and Municipal Government   | 35          | 33          | 27          |
| 2. Petroleum Production and Service Groups   | 27          | 24          | 12          |
| 3. Electronic Equipment, Systems and Service | 23          | 18          | 18          |
| 4. Chemical and Allied Companies             | 17          | 13          | 13          |
| 5. Aircraft Companies                        | 16          | 19          | 18          |
| 6. Retail and Wholesale Sales Organizations  | 12          | 14          | 7           |
| 7. Ferrous Metals Prod., Fabri., & Mfg.      | 10          | 6           | 5           |
| 8. Non-ferrous Metals, Mining & Mfg.         | 8           | 4           | 3           |
| 9. Public Utilities Companies                | 5           | 4           | 5           |
| 10. Research Organizations                   | 5           | 5           | 4           |
| 11. Insurance Companies                      | 5           | 8           | 8           |
| 12. Local Prime Contractors to A.E.C.        | 3           | 2           | 2           |
| 13. Service Groups (Boy Scouts, etc.)        | 3           | 4           | 2           |
| 14. Institutions of Higher Learning          | 3           | 1           | 2           |
| 15. Investment Firms                         | 1           | 1           | 3           |
| 16. Public Accounting Firms                  | 1           | 2           | 3           |
| 17. Law Firms                                | 0           | 0           | 1           |
| 18. Architectual                             | 0           | 0           | 1           |
|  | <u>173</u>  | <u>158</u>  | <u>134</u>  |

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It appears that the number of organizations sending representatives to our campus this year was less than last year. Actually the number is slightly higher since more of the larger companies and government organizations are consolidating their recruiting efforts by sending one team to represent several of their departments, subsidiaries, or agencies. It should also be mentioned that nearly 25% of these organizations sent representatives to our campus during both the fall and the spring semesters.

#### A. Technical Placement

##### 1. Technical Placement by Industry

For this report, the term "technical fields" includes engineering, mathematics, and the sciences. Graduates in these fields still are the prime targets of industrial and government recruiters, receive the most job offers, and provide us with our largest number of placements. One hundred and twenty-seven such graduates were placed this year as compared with ninety-three for the last reporting period, an increase of 36%.

Aircraft companies replaced the federal and state governments as the largest single employer of technical graduates. This is somewhat surprising since the federal government became much more competitive in the employer market this year by offering substantial salary increases over last year. This situation still might be reversed since it was reported to us that 20 out of 45 University of New Mexico students who competed in the Federal Service Entrance Examination this year received eligible ratings. This passing rate of 44% compares most favorably with the overall regional passing rate of 31% for college student competitors. Many of these graduates have not yet been offered positions but, should they accept, it should put the government back in the lead as top employer.

It is interesting to note that the local prime contractors to the Atomic

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Energy Commission (Sandia Corporation and American Car and Foundry) hired more than twice as many of our graduates this year as last.

#### Technical Placements by Industry and Field

|                         | AE | ChE | CE | EE | ME | Biol | Chem | Geol | Math | Phys | Total<br>1959 | Total<br>1958 |
|-------------------------|----|-----|----|----|----|------|------|------|------|------|---------------|---------------|
| Aircraft                |    |     | 3  | 10 | 11 |      |      | 1    | 1    |      | 26            | 21            |
| Government              |    |     |    |    |    |      |      |      |      |      | 23            | 25            |
| Federal                 | 2  |     | 4  | 5  | 4  |      |      | 1    | 1    |      |               |               |
| State                   |    |     | 4  |    |    |      |      | 2    |      |      |               |               |
| Local Prime             |    |     |    |    |    |      |      |      |      |      |               |               |
| Contr.                  |    |     | 3  | 8  | 4  |      |      | 2    | 2    | 2    | 21            | 10            |
| Elect. Equip.<br>& Mfg. |    | 1   |    | 9  | 2  |      |      |      | 2    |      | 14            | 8             |
| Petroleum               |    | 1   |    |    | 1  | 1    |      | 7    |      |      | 10            | 7             |
| Higher Educ.            |    |     | 1  | 5  |    |      | 3    |      |      |      | 9             | 5             |
| Research Org.           |    |     |    | 1  | 3  |      | 1    |      | 1    | 1    | 7             | 2             |
| Construction            |    |     | 2  |    | 3  |      |      |      |      |      | 5             | 4             |
| Consulting              |    |     |    |    |    |      |      |      |      |      |               |               |
| Engineering             |    |     | 3  |    | 1  |      |      | 1    |      |      | 5             | 2             |
| Chemical &<br>Allied    |    | 1   |    |    |    |      | 2    |      |      |      | 3             | 1             |
| Architectural           | 1  |     |    |    | 1  |      |      |      |      |      | 2             | 0             |
| Ferrous Metal           |    | 1   |    |    | 1  |      |      |      |      |      | 2             | 1             |
| Public Utility          |    |     |    | 1  |    |      |      |      |      |      | 1             | 1             |
| Autos & Farm Mach.      |    |     |    |    |    |      |      |      |      |      | 0             | 2             |
| Non-Ferrous Metal       |    |     |    |    |    |      |      |      |      |      | 0             | 2             |
| Totals 1959             | 3  | 4   | 20 | 39 | 31 | 1    | 6    | 14   | 7    | 3    | 128           | 93            |
| Totals 1958             | 4  | 5   | 15 | 30 | 20 | 0    | 6    | 5    | 4    | 4    |               |               |

#### 2. Technical Placement Salary Statistics

The Endicott Report in the March, 1959 issue of the College Placement Journal reported the average monthly salary paid to 1959 engineering graduates throughout the country as \$480. The results of a similar study showed a figure of \$491 per month. The average monthly salary accepted by 1959 graduate engineers from the University of New Mexico was \$505 at the Bachelor level which is considerably above both of the above reported averages. Salaries in the other technical fields and of our graduates with advanced degrees also are higher than reported national averages.



## Technical Salaries

## ENGINEERING

| B.S.                    | 1958                   | 1959                   |
|-------------------------|------------------------|------------------------|
| Range of Salary Offered | \$373 to \$700 per mo. | \$280 to \$755 per mo. |
| Average Salary Offered  | \$478 per mo.          | \$502 per mo.          |
| Average Salary Accepted | \$483 per mo.          | \$505 per mo.          |

| M.S.                    |                        |                        |
|-------------------------|------------------------|------------------------|
| Range of Salary Offered | \$490 to \$675 per mo. | \$550 to \$780 per mo. |
| Average Salary Offered  | \$590 per mo.          | \$643 per mo.          |
| Average Salary Accepted | \$562 per mo.          | \$607 per mo.          |

## NON-ENGINEERING

| B.S.                    |                        |                        |
|-------------------------|------------------------|------------------------|
| Range of Salary Offered | \$373 to \$600 per mo. | \$347 to \$550 per mo. |
| Average Salary Offered  | \$479 per mo.          | \$493 per mo.          |
| Average Salary Accepted | \$477 per mo.          | \$518 per mo.          |

| M.S.                    |                        |                   |
|-------------------------|------------------------|-------------------|
| Range of Salary Offered | \$535 to \$675 per mo. | Insufficient Data |
| Average Salary Offered  | \$611 per mo.          | " "               |
| Average Salary Accepted | \$580 per mo.          | " "               |

3. Technical Placement by Geographic Location

The 1959 graduating class in the technical fields "scattered" more than the class of '58. Employment was accepted in twenty states and one foreign country as compared with ten states and the District of Columbia last year. It is obvious that our graduates prefer the West and Southwest in locating in their first job. Placements in New Mexico increased considerably over last year with California, Washington, Texas and other western states following in order. Organizations located in these areas that recruit on our campus of course outnumber those from other parts of the country, but their high acceptance rate is disproportionate to their number of offers.

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## Technical Placements by Geographic Location

|                                  |            |
|----------------------------------|------------|
| New Mexico (Albuquerque 48)..... | 62         |
| California.....                  | 22         |
| Washington State.....            | 6          |
| Texas.....                       | 6          |
| Colorado.....                    | 5          |
| Utah.....                        | 5          |
| Nevada.....                      | 3          |
| Oklahoma.....                    | 3          |
| Arizona.....                     | 2          |
| Indiana.....                     | 2          |
| Kansas.....                      | 2          |
| West Virginia.....               | 1          |
| Nebraska.....                    | 1          |
| New Jersey.....                  | 1          |
| Connecticut.....                 | 1          |
| Virginia.....                    | 1          |
| Michigan.....                    | 1          |
| New York.....                    | 1          |
| Wyoming.....                     | 1          |
| Alaska.....                      | 1          |
| Lebanon.....                     | 1          |
| Total                            | <u>128</u> |

## B. Non-Technical Placement

1. Non-Technical Placement by Organization

Ninty-two persons, including graduates, alumni, and women, were placed in non-technical positions this year as compared with sixty-four last year, an increase of 44%. This section will deal only with our male 1959 graduates in this area; women and alumni placements will be discussed in Section C. Only twenty such persons were placed directly by the Bureau, but this is in line with overall placement figures considering the number of such registrants in our files. Most opportunities were found in sales, accounting, and personnel work. All but two of these placed accepted positions in Albuquerque. One other went to Texas and another to California.

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## Non-Technical Placements - 1959 Graduates

|                    | <u>Accounting &amp;<br/>Bookkeeping</u> | <u>Sales</u> | <u>Manager<br/>Trainee</u> | <u>Personnel</u> | <u>Other</u> | <u>Total</u> |
|--------------------|---|--------------|----------------------------|------------------|--------------|--------------|
| Retail Firms       | 1                                       | 3            | 1                          |                  |              | 5            |
| Federal Government | 3                                       |              |                            |                  | 1            | 4            |
| Prime Contractors  | 1                                       |              |                            | 1                |              | 2            |
| Construction       |   | 1            | 1                          |                  |              | 2            |
| Public Utility     |   |              |                            | 2                |              | 2            |
| Petroleum          |   |              |                            |                  | 1            | 1            |
| Banking            |   |              |                            | 1                |              | 1            |
| Industrial         |   | 1            |                            |                  |              | 1            |
| Wholesale Firm     |   |              | 1                          |                  |              | 1            |
| Investigation      |   |              |                            |                  | 1            | 1            |
| Total              | <u>5</u>                                | <u>5</u>     | <u>3</u>                   | <u>4</u>         | <u>3</u>     | <u>20</u>    |

2. Non-Technical Placement Salary Statistics

In line with national averages, the starting monthly salaries for non-technical graduates were considerably under those of technical graduates. Several studies seem to indicate, however, that the people who go into sales, accounting, and general business close the salary gap rapidly and are oftentimes ahead of their technical classmates ten years after graduation.

## Non-Technical Salaries

|                         | 1958                   | 1959                   |
|-------------------------|------------------------|------------------------|
| B.A. - B.S.             |                        |                        |
| Range of Salary Offered | \$300 to \$454 per mo. | \$300 to \$600 per mo. |
| Average Salary Offered  | \$385 per mo.          | \$404 per mo.          |
| Average Salary Accepted | \$378 per mo.          | \$414 per mo.          |
| M.A. - M.S.             |                        |                        |
| Range of Salary Offered | \$400 to \$500 per mo. | \$450 to \$605 per mo. |
| Average Salary Offered  | \$450 per mo.          | \$521 per mo.          |
| Average Salary Accepted | \$445 per mo.          | \$535 per mo.          |

## C. Alumni and Women Placements

"Alumni" in this section refers to persons seeking full-time employment who are either (1) our own older graduates, (2) our own students who did not graduate

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or (3) graduates of other colleges or universities. We have attempted to improve our services to these people by keeping them better informed of employment opportunities and by making their availability and qualification known to prospective employers. As a result, we have succeeded in placing thirty-five of them in permanent, full-time positions. Twenty-eight of them were placed in Albuquerque, three in California, two in Texas, and one each in New Mexico (outside of Albuquerque) and Colorado. The salary range was \$250 to \$500 per month, the average, approximately \$375 per month.

Placements of women in professional, secretarial and clerical positions increased 52% over last year. Thirty were placed in secretarial or clerical jobs and seven in professional positions. As has been true in the past, we have far more positions for women available than we have qualified registrants. There is an ever-increasing demand for women trained in the secretarial and clerical skills. The scarcity of qualified secretaries has naturally placed a premium on their services and, quite often, they receive higher salaries than women placed in professional positions. The range of monthly salaries for professional placements was \$231 to \$279, while secretarial salaries ranged from \$200 to \$350 per month. All women were placed in New Mexico.

## PART II

### Educational Placement

The function of the education section of the Placement Bureau is to help employers of professional educators find people who will fit into their vacancies to the best possible advantage of all concerned. In contrast to technical and

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business placement activities, which are conducted largely on a person-to-person basis, teacher placement is carried on almost exclusively by correspondence. It is realized that this is far from an ideal situation since personal interviews with all registrants and prospective employers is most desirable. The situation does exist however and results in problems of communication. With this in mind, we have attempted to provide more detailed information to our registrants on vacancies and the schools that listed them and to our prospective employers on the names and qualifications of our registrants.

To accomplish this, we began early in the year to provide monthly listings to each of our registrants of the vacancies that we had received during the previous thirty days. Then upon request from an interested registrant, the name and address of the contact, salary schedule, size of school and any other pertinent information available was sent to him.

Two lists of our registrants -- one in April and one in June -- were sent to every school superintendent in New Mexico and to nearly fifty others in the larger school systems of the West and Southwest. These lists included a thumb-nail sketch of each registrant, including personal data, education, experience, fields of competence, and preferred geographic location. With this list as a guide, an employer could request additional information on any registrant. Approximately five hundred sets of credentials were sent out to meet these requests.

During the period from November 1, 1958, to June 30, 1959, one hundred and forty-three persons registered for the first time with the Bureau. This compares with one hundred and sixteen for the last reporting period. References, data sheets, transcripts and photographs were collected for each of these persons. During the same period, an additional fifty-four folders were reactivated at the

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request of earlier registrants. Our "working" active file varies from day to day but remains fairly stable at around two hundred and fifty folders.

As in the "general" placement activities, we offer our assistance to any qualified person who wishes to avail themselves of our services, whether they are 'graduates' of the University of New Mexico or some other college or university. Approximately 65 per cent of our registrants are from New Mexico, however, and the remainder are mainly from the Middlewest and the East. Nearly all indicate the West or Southwest as their preferred geographic location.

An important change that came about with the November merger was that the fees that had been charged for registration and reactivation with the Education Placement Bureau were dropped. It was felt that, since no fees are charged for placement services other than educational, it would be discriminatory to continue with this practice.

A look at the teaching vacancies listed with us during the last six months of the year clearly shows the dilemma we are in -- more jobs than teachers. This is especially true at the elementary level where we had 48 per cent of our listed vacancies and less than 25 per cent of our total number of registrants. Of the 2,265 positions listed with us during this period, 1,094 were at the elementary level, 824 at the senior high level and 347 in junior high positions. There are critical areas other than in the elementary grades which are brought to light by the unusually large number of requests for teachers for them. As might be expected, these include mathematics, the sciences, foreign languages and guidance work. Serious shortages also exist in the fields of girl's physical education, home economics, and library science.

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The majority of vacancies listed with us were in New Mexico schools with California schools running a close second. Southwestern, middlewestern and eastern states followed in that order with practically no requests coming from the South. Because of the critical shortage, most schools begin their search for teachers early in the spring of the year.

Seventy-one personal interviews with selected registrants were arranged for representatives of nine different school systems. It is estimated that an additional twenty-five superintendents or principals visited the Bureau to discuss their teacher needs and to use our registrant files.

Six teachers were placed in January to fill vacancies left at the end of Semester I, 1958-59. All of these positions were in New Mexico. With the teacher placement "season" nearly half over, we found we had directly assisted in the placement of seventy of our registrants. Information is not available on placements made for the first half of the reporting period. Geographically, the direct placements were as follows:

|            |    |                  |          |
|------------|----|------------------|----------|
| New Mexico | 43 | Iowa             | 1        |
| California | 13 | Maryland         | 1        |
| Colorado   | 3  | Mississippi      | 1        |
| Arizona    | 2  | Venezuela        | <u>1</u> |
| Minnesota  | 1  |                  | 67       |
| Ohio       | 1  | College level    | <u>3</u> |
|            |    | Total Placements | 70       |

Many others, no doubt, were placed as a result of information we supplied to them. Still this does not give an exact picture of the employment status of our registrants. It must be remembered that most of our registrants are currently employed but register with us in hopes of securing a better-paying position or

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one in a more desirable location. Consequently, many offers are made to them by school superintendents but are declined by the registrants.

### PART III

#### Part-Time and Summer Employment

##### A. General

During the fiscal year, 996 part-time and summer jobs were filled by University of New Mexico students through the Placement Bureau. This includes student aid jobs and all those off-campus. The total is slightly less than the 1100 reported last year. This can be attributed partially to the fact that there are simply more students seeking approximately the same number of jobs. Fewer employers therefore find it necessary to list their jobs with an employment agency. The average wage for part-time employment has risen slightly and now stands at approximately \$1.10 per hour.

We were able to fill 744 of the 1054 part-time jobs listed with us (this does not include student aid) for a 71% average. A breakdown by job type is given below:

##### Part-Time Jobs by Type

|                   |     |                    |           |
|-------------------|-----|--------------------|-----------|
| Office Work.....  | 105 | Art.....           | 28        |
| Babysitting.....  | 58  | Clerk.....         | 26        |
| Delivery.....     | 57  | Stockwork.....     | 21        |
| Manual Labor..... | 53  | Accounting.....    | 18        |
| Sales.....        | 50  | Recreation.....    | 16        |
| Automotive.....   | 42  | Janitorial.....    | 15        |
| Yard Work.....    | 42  | Food Service.....  | 13        |
| Technical.....    | 35  | Construction.....  | 8         |
| Hostess.....      | 34  | Cashier.....       | 6         |
| Tutoring.....     | 29  | Miscellaneous..... | <u>19</u> |
|                   |     | Total              | 744       |



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## Men-Women Part-Time Placements

|                   | <u>Semester I</u> | <u>Semester II</u> | <u>Summer</u> | <u>Total</u> |
|-------------------|-------------------|--------------------|---------------|--------------|
| Men (off-campus)  | 299               | 154                | 67            | 520          |
| Women " "         | 104               | 91                 | 29            | 224          |
| Men (Student Aid) | 46                | 55                 | 0             | 101          |
| Women " "         | 79                | 73                 | 0             | <u>151</u>   |
| Total             |                   |                    |               | 996          |

## B. Student Aid

A total of 252 students were placed in positions in 47 departments on campus as part of the Student Aid program this year. These students were screened carefully and assigned on the basis of their financial need and academic standing. Their duties were primarily clerical in nature although some worked in laboratories, dormitories, and dining halls. The wage rate remained at .75 per hour.

## Student Aid Statistics

|                | <u>Semester I</u> | <u>Semester II</u> | <u>Total</u> |
|----------------|-------------------|--------------------|--------------|
| Hours Allotted | 18,040            | 18,000             | 36,040       |
| Hours Used     | 15,906            | 14,887             | 30,793       |
| Wages Paid     | \$11,929          | \$11,166           | \$23,095     |

## PART IV

## Miscellaneous

## A. High School Visitations

The Director had the pleasure of assisting the Director of Student Affairs in the College Day programs throughout the state during the 1958-59 school year. Twenty high schools were visited and students from thirty-one different schools were counseled on their plans for a college education. One hundred and fifty-one

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personal letters were written to the very best of these students inviting them to visit the University of New Mexico.

#### B. Professional Activities

Memberships in the Rocky Mountain College Placement Association and the Southwest College Placement Association are held by the Director. The Assistant Director is a member of the RMCPA. Both are members of the Planning Committee of the RMCPA in preparation for the 1959 convention to be held in Albuquerque on October 8 and 9, 1959. The Director was appointed to the Membership Committee of the SWCPA. Three invitations to speak to high school groups and two to college groups regarding Placement Bureau activities and employment in general were accepted during the year.

#### C. Recommendations

1. It is recommended that the half-time secretarial position in the educational placement section be changed to full time next year. The increased work load here has resulted in having all Bureau personnel working part time in this section with a resulting loss of time spent in the important areas of part-time and general placement. If the present rate of growth in educational placement continues, it will be impossible to adequately service our registrants and school superintendents with the present staff.

2. It is recommended that allotments of student aid hours to the various departments be made on a semester, rather than monthly, basis. This would eliminate considerable bookkeeping in the Payroll Office and in the departments concerned. It would also be a more realistic approach to the problem since

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departmental work loads vary greatly and are generally much heavier at the beginning and end of each semester. Consequently, more assistance is needed during these periods. The Director has reason to believe that many departments now report maximum hours worked each month but actually distribute the work load throughout the semester as dictated by need.

#### D. Conclusions

The 1958-59 year has been busy and profitable for the Placement Bureau. We wish to thank the University administration, faculty, and student body for their interest and cooperation in helping us to expand and improve our services. It will be our objective during the coming year to enhance our reputation as being a rich and reliable source of both qualified job seekers and attractive positions.

The Report of the Student Health Service  
July 1, 1958 - June 30, 1959  
J. E. J. Harris, M.D., Director

From July 1, 1958 to June 30, 1959 new students, transfer students and re-examinations totaled over 4000. Pre-marital examinations, teacher's certificates and examinations for scholarships were given to approximately 400 students. Allergy injections, special medications and diathermy are given if approved by the University Physician. There was no appreciable increase in the number of students reporting to sick call nor number admitted to the infirmary, but the nature of the illnesses seemed of a more acute nature with in-patients remaining a greater number of days. An autoclave was installed during the past year to insure maximum protection to the students for all injections and minor surgery.

Future plans include an X-Ray unit for chest and diagnostic X-Rays, a laboratory for complete urinalysis and blood counts and further improvements regarding kitchen facilities. Six new hospital beds have been ordered to replace the remaining surplus army cots.

Dr. H. A. Hartfiel has been added to the staff and will take over his duties August 1, 1959.

Doctor J. W. Kimbrough was separated from the Student Health staff April 1, 1959.

There have been some changes in the benefits offered by the health insurance program. Diagnostic X-Ray and laboratory benefits are no longer offered, which makes the acquisition of an X-Ray unit and laboratory most important.

In addition to our routine responsibilities we take care of all emergencies arising on the campus. All prospective physical plant 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 the participants in various sports activities during the year. In cooperation with the Air Force and Navy ROTC units we give special examinations and inoculations to students in these departments as well as to the nursing students in the College of Nursing. With the increased enrollment anticipated in the coming years an increase in the number of personnel will have to be considered.

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 were unable to finance through donations of services by our consultant staff of specialists.

THE REPORT OF THE STUDENT PERSONNEL OFFICE

July 1, 1958 - June 30, 1959

Lena C. Clauve, Dean of Women

Howard V. Mathary, Dean of Men

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In addition to the Deans of Men and Women, our Personnel Staff consists of:

|                    |                                   |
|--------------------|-----------------------------------|
| Willene Paxton     | Assistant Dean of Women           |
| Gerald W. Hubbart  | Assistant Dean of Men             |
| Elizabeth F. Elder | Assistant in the Personnel Office |
| Marion Woodward    | Secretary to the Dean of Men      |
| Dorothy Pratt      | Secretary to the Dean of Women    |
| Kay Clauve         | Student Assistant                 |
| Jonnie Jo Kennann  | Student Assistant                 |
| Sylvia Roybal      | Student Assistant                 |

There were two changes in the Personnel Staff during the past year:

Miss Mary Failing, Residence Hall Director of Hokona Hall, resigned as of July 1, 1959. No replacement has been named to that position as of this date.

Mr. William M. Chase has been employed as Associate Dean of Men. His main duties will be coordinating the scholarship program, and acting as Foreign Student Advisor.

Plans have been made to employ a housemother at Hokona Hall to supervise the Freshman wing.

The primary duties of the Personnel Staff remain the same: student counseling, personnel records, assisting the various student groups, and coordination of the scholarship and loan program of the University.

Student Housing

Housing for both men and women students for the coming year should be considerably alleviated. The completion of Coronado Residence Hall will enable us to house all men students. The projected growth of the University would indicate that plans should be made in the very near future for additional housing both for women and for men.

Fourteen graduates were employed at the residence halls during the past year - seven at Mesa Vista Residence Hall and seven at Hekona Hall. The counseling program carried on by these assistants was reasonably satisfactory. It is planned to continue and to expand the residence hall program.

### Fraternities and Sororities

Membership in social organizations has shown very little increase during the past year. Seven national sororities, all owning their own homes, are established on this campus. 461 names were listed as affiliated with the groups during the past year. Eleven national fraternities are on the campus at the present time. Seven own their own homes, three rent, and the other is without housing. 586 men students have been members of the various fraternities during the 1958-59 year.

There has been no fraternity and sorority expansion for the past several years. Limited expansion could be expected if zoning restrictions near the campus were lifted.

### Student Loans

The National Defense Education Act of 1958 made additional loan money available to the University. The following loans were made during the year:

|                                |                                      |                                  |
|--------------------------------|--------------------------------------|----------------------------------|
| National Student Defense Loans | <sup>23</sup><br><del>54</del> loans | 6,619.<br><del>\$33,999.00</del> |
| Kiwanis Loan Fund              | 45 loans                             | 2,375.00                         |
| Mortar Board Loan Fund         | 35 loans                             | 891.00                           |
| Rosenbaum Loan Fund            | 97 loans                             | 6,927.50                         |
| Rotary Loan Fund               | 46 loans                             | 2,751.00                         |
| Short Term Loan Fund           | 460 loans                            | 6,119.50                         |
| (15 day loans)                 | <u>706</u>                           | <u>\$ 25,693.00</u>              |

### Scholarships

The Dean of Women and Dean of Men are ex-officio members of the Committee on Scholarships and Prizes. With the resignation of Dr. C. V. Wicker as Chairman of the Committee on Scholarships and Prizes, all records

of the Committee were transferred to the office of the Dean of Men. The Dean of Men was appointed as acting chairman of this committee for the year ending June 30, 1959. During the past year most University scholarships have been awarded through the Dean of Men's office. The summary of scholarships awarded during the 1958-59 academic year are as follows:

|                                     |            |                     |
|-------------------------------------|------------|---------------------|
| Freshman Tuition Awards             | 104        | \$18,514.65         |
| Above Freshman Standing Awards      | 148        | 24,534.00           |
| Miscellaneous Scholarships          | 114        | 28,255.55           |
| Trust Funds Scholarships            | 31         | 3,543.11            |
| Pharmacy Scholarships               | 18         | 2,560.00            |
| Honors Program Awards               | 35         | 8,512.00            |
| Senate Bill 18 Scholarships         | 9          | 1,861.50            |
| Latin-American Scholarships         | 6          | 4,112.00            |
| Inter-American Affairs Scholarships | 8          | 1,878.00            |
| New Mexico Grants                   | 30         | 24,624.00           |
| Grants in Aid                       | 139        | 105,236.33          |
|                                     | <u>642</u> | <u>\$223,631.14</u> |

#### Other Responsibilities

Members of the Personnel Office Staff serve as sponsors of the following organizations:

- Town Club
- Phrateres
- Mortar Board
- Vigilante
- Chakaa
- Blue Key
- Panhellenic
- Junior Panhellenic
- Interfraternity Council
- Junior Interfraternity Council
- World University Service
- Associated Women Students
- Alpha Phi Omega
- Spurs
- Campanas

#### Recommendations

If the University continues to grow and with an anticipated expansion in the Personnel Office Staff, office space becomes more and more inadequate. It is recommended that as space becomes available, additional rooms be allocated for our use.



# The Report of the Alumni Association

July 1, 1958 - June 30, 1959

Winifred Reiter, Managing Director

There were no major changes in the Alumni Association program during the 1958-59 year.

The files were expanded with the 1959 graduating class of 785 and the addition of some 500 "ex-s" whose names turned up in the news, in correspondence, or in requests for transcripts received by the Office of Records. Some 500 "lost" cards were made as former students moved, left no address, and could not be traced.

## THE ALUMNUS MAGAZINE

Distribution of five issues of the ALUMNUS magazine amounted to 20,000 copies in the same geographical pattern as previous years: 1/3 in Bernalillo County, 1/6 in other New Mexico counties, and 1/2 outside the State.

About 1200 copies of each issue go to local addresses, 530 to other New Mexico towns, 1400 out of state, and 50 to foreign countries (exclusive of APO and FPO). Seventy-five or more copies circulated on campus.

The world-wide range of UNM alumni is always fascinating. We are in touch with people in Canal Zone, Guatemala, Honduras, Chile, Brazil, Venezuela, Argentina, Colombia, Canada, Mexico, Cuba, France, England, Sweden, Newfoundland, Switzerland, Turkey, Ethiopia, Libya, Thailand, Samoa, Okinawa, Formosa, Japan, and Phillipine Republic.

Most of these subscribers are Americans but a few are foreign students.

Special mailing during the year included a brochure of the New Mexico Education Association concerning the quality of faculties in the State's institutions of higher learning. This was sent to ALUMNUS subscribers in New Mexico and all alumni in Bernalillo County.

The Annual Report of the President was sent to all ALUMNUS subscribers and all alumni in New Mexico.

#### MEMORIAL CHAPEL FUND

Total amount contributed to the Memorial Chapel Fund to June 30, 1959, was \$73,000. Total expenses over the 10 year period the Fund has been in existence are \$5,500 (including the Architect's fee), or 7½%, making a total of \$65,000 available for construction at the date of this report.

Contributions during the year of the report amounted to \$1785.83.

Donations have been made by 3,562 persons, or a little more than 1/6th of the 18,000 alumni on the active mailing list. (Total alumni body is now estimated on the order of 35,000).

#### ALUMNI RELATIONS

Homecoming attendance in 1958 appeared somewhat lower than in the few years previous. Registrations in the Alumni Office numbered 483. Registrations elsewhere brought the figure to 808, about 200 under the previous year.

Largest attendance at a single event was 95 at the Engineers Open House. Sixty-eight alumnae attended the All-University Women's breakfast sponsored by City PanHellenic Association. Lettermen were

not registered at either their cocktail party nor their brunch, but attendance was reported to be off at the brunch, probably because of the late hour (10 a.m.).

Twenty-one New Mexico towns were represented by 64 persons, with the largest delegation from Santa Fe. Thirteen states, District of Columbia, and two foreign countries were also represented among the 56 registrants from out of state.

The Class of 1933 25th anniversary reunion at Homecoming was outstandingly successful. Arranged by Mr. Baylor Triplett and a committee, it was a dinner party at the Albuquerque Country Club. Of 109 graduates reached, 68 responded in some fashion, either by attending one or more Homecoming events, or writing a message. Eleven persons attended from out-of-town, including Mr. Jason Kellahin, former Student Body President, who crowned the Homecoming Queen, Ruth Ballenger.

The Class of 1923, celebrating its 35th anniversary and sparked by Hop Hopkins, of Fostoria, Ohio, was represented by eleven persons at the '33 dinner.

Total attendance at the party was 98 persons, including several faculty guests.

I am inclined to attribute the drop-off in total registration and attendance at campus coffee parties to the lack of a parade.

A complete report on Homecoming events is on file in the Alumni Office.

An innovation in the spring of this year was a luncheon for Albuquerque alumni, intended to acquaint them with "What Goes on at the University." All local members of the Association, (about 1500)

were informed by post card, and two reservations were made. A concentrated telephone effort resulted in an attendance of 40, including several staff members. Harold L. Walker, director of Research, explained contract research in progress and was very well received. The event took place May 14 at Hoyt's Dinner Bell. Tickets were sold at \$1.75 to cover expenses.

I believe that a year-round series of such luncheons, perhaps bi-monthly would develop an interested membership of 50-60 persons, but our local alumni are for the most part inert.

Out-of-town alumni meetings were held in three areas.

Alumni in the Los Angeles area met in October with Mr. and Mrs. Pete McDavid as their guests. Ninety-eight persons gathered at the Disneyland Hotel, Anaheim, with Jim Mitchell as chairman. Phil Davy, x-'53, 220 Valencia Mesa Drive, Apt. 2, Fullerton, Calif., was elected chairman for 1959-60.

Mr. McDavid also represented the University at a Tri-State Round-Up of New Mexico people in Pittsburgh in March. Alumni of other New Mexico colleges also participated. Several executives of Westinghouse Corp. were involved and important gifts of equipment from Westinghouse Educational Foundation were developed.

UNM alumni active in making arrangements were Jack Sterrett, '30 (of Westinghouse), Sam Rosenbach, '21, and Jack Little, '58, (Westinghouse).

In La Jolla, California, Mr. and Mrs. Gordon Ledingham opened their home June 6 for a supper party for alumni in the San Diego area. Fifty persons were present and expressed interest in an annual meeting. Attendance compares with 15 persons at the first meeting in June, 1958.

## UNDERGRADUATE RELATIONS

In the area of undergraduate relations, apart from cooperation in Homecoming arrangements, the Alumni Association gave a reception for 38 outstanding seniors selected for listing in "Who's Who in American Colleges and Universities." The pre-Christmas event was held in the SUB and fifty local alumni and parents of the honor guests attended. Mortar Board alumnae again assisted with arrangements and entertainment.

The Association also presented a cup and a life membership to an exemplary citizen of the senior class at the Honors Assembly in May. Carol Kutnewsky, editor of the Mirage, received the award.

The judges (Pete McDavid, Martin Fleck, Mrs. Walter Keller), expressed dissatisfaction with the nominations made by the Personnel Deans for this award and the system will be revised next year so that a broader field of candidates can be considered.

## STAFF

There were no changes in the permanent staff during the year. Mrs. Ruth Blair is secretary and office manager; Mrs. Cecilia Marquez is file clerk. Mrs. Joan Massalena Bowen was half-time clerk during the summer of 1958 and rejoined us in that capacity in June 1959. An undergraduate, she is under the Student Aid program in term times. Mrs. Millard Hunsley (Caroline) was part time editorial aid during the spring semester.

## PROFESSIONAL ACTIVITIES

As magazine chairman for the American Alumni Council District VII (Rocky Mountain) I arranged a competition for alumni magazines of member institutions, prevailing on the Journalism faculty of the University of Oregon to be judges. In February I went to Salt

Lake City to preside at the magazine section meetings of the annual district conference and present the awards.

I was invited to serve as consultant at the National Conference at Mackinac Island in June but could not accept.

As a member of Theta Sigma Phi, I edited one issue of the Institute of Radio Engineers magazine, "The Blast," as a contribution to the scholarship fund. I also served on a publicity panel for the same organization.

For the New Mexico Press Women, I served on a committee to revise the constitution, and as chairman of the selection committee for the Zia Award to an outstanding woman writer.

I was also chairman for a workshop on year books during the Journalism Department's High School Journalism Day, and spoke on "School Newspapers" at Ernie Pyle Junior High School.

My biography is listed in the first edition of Marquis' "Who's Who of American Women."

The Report of the Fund Development Office  
July 1, 1958 - June 30, 1959  
Pete McDavid, Director

I. Significant Developments During the Academic Year 1958-59.

A. As in previous years, the Development Office has performed the clerical duties of the New Mexico (Boosters) Club. Pledge cards were typed and distributed, money received and deposited, and contributions from donors were acknowledged. During the year, the membership list was completely revised by bringing phone numbers and addresses up to date; monthly reports on the progress of the drive were made to the club officers; and a new system of billing the accounts was instituted. It is felt that these efforts account, in part, for the six thousand dollar increase over the previous year. A total of \$28,004.15 was collected for the year.

B. Contact was maintained with the existing alumni groups in the area; and although no special events were held, committees have been formed and plans made for participation in any future alumni giving program.

C. Conferences were held with Mr. John Fullen of Ohio State University, the leading figure in the field of alumni relations and fund development. The results of these meetings and a later report by Mr. Fullen indicate that the University is now ready and should undertake an annual alumni giving program. Preliminary work and procedure as suggested by Mr. Fullen has been completed, and it is felt that such a program could be put into effect immediately.

D. Four substantial gifts not shown on the following pages were obtained by the Development Office. These gifts are in the form of bequests; and in all cases, the donors desire to remain anonymous until their death. The total of these four gifts will amount to approximately eighteen thousand dollars.

## II. Significant Plans and Recommendations, July 1, 1959, Through June 30, 1960.

A. An eight million dollar bond issue for the construction of buildings at our State's educational institutions will be presented to the voters in the general election to be held in November, 1960. Considerable time will be given by the Development Office in preparing and following through with a program to assure the passage of the bond issue. Travel throughout the State addressing alumni and PTA groups, preparing brochures, and formation of a Speaker's Bureau will all be a part of this planned program.

B. A further effort will be made to prepare a booklet each year showing all gifts obtained by the University. The publication of such a booklet will encourage additional gifts. However, this can only be accomplished with the cooperation of all departments of the University. An effort to accomplish this project has been hindered by the reluctance of several departments to divulge the information needed. It is felt that in order to accomplish this project and to assure future cooperation from all departments an administrative order be made informing all departments to notify the Development Office of any and all gifts received. Until all gifts are channeled through one office, a state of confusion and, at times, embarrassment will exist.

## III. Appointments to Staff.

None

## IV. Separations from Staff.

None

## V. Outside Professional Activities of Staff Members.

Speeches were made at the following places:

New Mexico Club  
Downtown Albuquerque Lions Club  
Northeast Albuquerque Lions Club  
Albuquerque Junior Chamber of Commerce  
Farmington Lions Club

Roswell, Farmington, Denver, and  
El Paso Alumni Groups  
New Mexico Petroleum Club, Carlsbad  
Los Alamos PTA



## VI. Gifts (Only those channeled through this office)

## A. Contributions from Firms

| <u>Firm Name</u>                             | <u>Individual Name</u> | <u>Amount</u> |
|--|------------------------|---------------|
| Albuquerque Bus Company                      | A. P. FitzGerald       | \$ 50         |
| Albuquerque Foundry & Machine Works          | A. H. Bryce            | 75            |
| Albuquerque Gravel Products Company          | Ward W. Anderson       | 250           |
| Albuquerque Ice Company                      | W. T. Elliott          | 25            |
| Albuquerque Journal                          | J. D. Kailer           | 200           |
| Albuquerque Journal                          | G. Thompson Lang       | 100           |
| Albuquerque Journal                          | H. P. Pickrell         | 200           |
| Albuquerque Lumber Company                   | George L. Doolittle    | 100           |
| Albuquerque Realty, Inc.                     | Rudolph C. Miller      | 25            |
| Albuquerque Typewriter Exchange              | Robert Rehm            | 100           |
| Allen Abstract & Title Company               | Oscar Allen            | 35            |
| American Beauty Macaroni Company             | William D. Thigpen     | 25            |
| American Furniture Company                   | E. M. Blaugrund        | 200           |
| Anderman & Glasebrook                        | Paul P. Rubincam       | 125           |
| Clinton P. Anderson Agency                   | Sherburne P. Anderson  | 400           |
| B & W Egg Company                            | William C. Boswell     | 25            |
| J. C. Baldrige Lumber Company                | W. P. Harley           | 100           |
| The Banes Company                            | Wiley Banes            | 75            |
| Bank of New Mexico                           | Col. M. E. Zetterholm  | 250           |
| Barnhart-Dwyer Engineering Company           | G. W. Dwyer            | 25            |
| Batsel & Hastings                            | Paul M. Batsel         | 25            |
| Beck News Agency                             | Tony Belmonte          | 25            |
| Benton Van & Storage                         | G. H. Buergi           | 25            |
| Berger, Briggs & Company                     | Walter O. Berger       | 100           |
| Bernalillo Mercantile                        | Harold Seligman        | 25            |
| Blueher Lumber Company                       | Oscar G. Blueher       | 25            |
| Bob's, Inc.                                  | Robert Karler          | 25            |
| Boehning & Boehning                          | Joe Boehning           | 25            |
| Frank Bond & Son, Inc.                       | Gordon M. Bond         | 50            |
| Bonded Plumbing & Heating Company, Inc.      | Tommy Thompson         | 50            |
| Bowman Biscuit Company                       | Carl Wilson            | 50            |
| Bowman Travel Agency                         | V. W. Bowman           | 25            |
| Boyd Engineering Company                     | Jim Boyd               | 100           |
| Ted Boyd Company                             | Ted Boyd               | 60            |
| Bradbury & Stamm Construction Company        | O. G. Bradbury         | 50            |
| Broadway Lumber Company                      | Lester B. Edmondson    | 150           |
| Brown-Keim Brokerage Company                 | W. C. Keim             | 25            |
| Burke's Prescription Center                  | E. J. Burke            | 25            |
| Burroughs Corporation                        | Baylor B. Triplett     | 25            |
| Business Men's Assurance Company             | H. A. Quist            | 25            |
| Cabeen Company                               | T. W. Cabeen           | 25            |
| Canada Dry Bottling Company of<br>New Mexico | Dino Rosso             | 50            |

| <u>Firm Name</u>                                      | <u>Individual Name</u> | <u>Amount</u> |
|---|------------------------|---------------|
| Carlisle Liquors                                      | I. J. Covolo           | \$ 50         |
| Central Auto Exchange                                 | E. W. Richardson       | 50            |
| Central Liquor Store                                  | Harry H. Snader        | 25            |
| L. H. Chant Electric Company                          | L. H. Chant            | 30            |
| Chisholm's  | J. D. Chisholm         | 50            |
| Coca-Cola Bottling Company                            | H. C. Phillips         | 300           |
| Comer Oil Company                                     | Brad Comer             | 200           |
| Connecticut Mutual Life Insurance Company             | T. B. Ingwersen        | 25            |
| Consolidated Brokerage Company                        | G. T. Hennessee        | 50            |
| Conservancy Oil Company                               | Ralph J. Dotson        | 25            |
| Conniff Food & Appliance Store, Inc.                  | John N. Conniff        | 25            |
| Contractors Equipment & Supply Company                | John W. Schoen         | 50            |
| H. Cook Sporting Goods Company                        | Harold Gardenswartz    | 150           |
| Harry Cornelius Company                               | W. H. Cornelius        | 50            |
| Cottage Bakers  | Harlon B. Browning     | 25            |
| Credit Bureau of Albuquerque                          | C. S. Carnes           | 35            |
| D & D Poultry Company                                 | Harry C. Foss          | 50            |
| Darwin Buick Company                                  | R. S. Darwin           | 100           |
| Davis Five & Ten Stores                               | G. B. Davis            | 50            |
| Denison Coffee House                                  | Richard M. Bowen       | 50            |
| Dixie Floral Company                                  | Norman H. Fitch        | 25            |
| Dixon & Company                                       | R. F. Bander           | 25            |
| Doherty Lumber Company, Inc.                          | Jerry Doherty          | 100           |
| Duke City Lumber Company                              | Maurice Liberman       | 75            |
| Echlin-Irvin-Crowell & Company                        | L. E. Barley           | 25            |
| Eckert's  | Josephine Huber        | 50            |
| Eidal Manufacturing Company, Inc.                     | R. M. Eidal            | 100           |
| Electrical Products Company of New Mexico             | David Specter          | 60            |
| El Fidel Hotel  | Toffie N. Fidel        | 50            |
| Equitable Life Assurance Society of the United States | P. R. Cunningham       | 25            |
| Equitable Life Assurance Society of the United States | Clay Pooler            | 25            |
| Equitable Life Insurance & Casualty Company           | Ernest C. Hodder       | 25            |
| Ever Ready Oil Company, Inc.                          | N. F. Grossetete       | 50            |
| Excelsior Laundry Company                             | S. Y. Jackson          | 210           |
| Edgar Faust & Company                                 | Edgar Faust            | 25            |
| Ferguson-Stevens & Associates                         | Gordon Ferguson        | 50            |
| FIP Associates, Inc.                                  | Jack M. Campbell       | 50            |
| First State Bank, Taos, New Mexico                    | Jack Brandenburg       | 25            |
| Flatow, Moore, Bryan & Fairburn                       | Max Flatow             | 100           |
| Foremost Dairies, Inc.                                | Tom Bell               | 100           |
| Forest Products Company                               | Graham R. McNary       | 50            |

| <u>Firm Name</u>                      | <u>Individual Name</u> | <u>Amount</u> |
|---------------------------------------|------------------------|---------------|
| Fostoria Review Times, Fostoria, Ohio | E. W. Hopkins          | \$ 50         |
| Franciscan Maple Shop                 | James Thorsen          | 25            |
| French-Fitzgerald Mortuary            | C. T. French           | 90            |
| Frontier Ford                         | Jack Jones             | 100           |
| Furr's Super Markets                  | Holly Bird             | 200           |
| Griffith's Appliance Centers          | Bruce Griffith         | 25            |
| Lou Gerding Agency                    | Lou Gerding            | 25            |
| Gibson Lumber Company                 | David E. Gibson III    | 30            |
| Gordon, Tarpley, Shearer Company      | W. L. Benham           | 25            |
| Graham & Kinney, Inc.                 | Warren R. Graham       | 25            |
| Grantham, Spann & Sanchez             | E. M. Grantham         | 25            |
| Green's Sanitary Specialists          | Sam Green              | 25            |
| Jerry Haggard Company                 | Jerry Haggard          | 25            |
| Hale Sanitary Supply Company          | Edward A. Hale         | 25            |
| Joe Heaston Motor Company             | Joe Heaston            | 100           |
| Henry's Fine Men's Wear               | Bill Durkovich         | 50            |
| Hertz Rent-a-Car                      | H. T. Hornbuckle       | 100           |
| Ward Hicks Advertising Agency         | Ward Hicks             | 50            |
| Highland Pharmacy                     | S. J. Haymen           | 25            |
| Henry Hillson Company                 | Henry G. Hillson       | 50            |
| Holsum Bakers of Albuquerque          | R. D. Mahoney          | 75            |
| Hubbard's Department Store            | C. R. Hubbard          | 25            |
| E. F. Hutton & Company                | W. E. Smith            | 25            |
| Hyder Bros., Inc.                     | Latif Hyder            | 200           |
| Iden & Johnson                        | Bryan G. Johnson       | 150           |
| Illinois-California Express, Inc.     | E. V. Pajunen          | 75            |
| Imperial Laundry Company              | Russell Edgar          | 100           |
| Jackson Finance Company               | Robert Jackson         | 25            |
| Jill's Bakery                         | Dale E. Tetterington   | 50            |
| Jim's Liquors                         | James N. Francis       | 25            |
| Johnny's Inn                          | John Naccarato         | 25            |
| J. W. Jones Construction Company      | J. W. Jones            | 100           |
| Jones Motor Company                   | Ralph Jones            | 50            |
| KDEF Radio Station                    | Frank Quinn            | 25            |
| KGGM                                  | A. R. Hebenstreit      | 100           |
| Karr & Eichenberger                   | J. W. Karr             | 50            |
| Keenan & Welsh                        | Horace W. Keenan       | 100           |
| Kemper-Heckes-Rice Sales Company      | Jack A. Kemper         | 25            |
| Kingston Meat & Provision Company     | Dave H. Kingston       | 50            |
| Kinsella Glass Company                | Paul S. Kinsella       | 25            |
| Kirkpatrick Finance Company           | W. A. Kirkpatrick, Jr. | 100           |
| Kistler-Collister                     | J. D. Collister        | 100           |
| La Joya Development                   | Thomas D. Campbell     | 25            |
| La Placita Dining Rooms               | Harold Elliott         | 100           |
| Lazy Ray Guest Ranch                  | Howell Gage            | 50            |
| R. E. Leggette Company of New Mexico  | R. E. Leggette         | 100           |
| Lembke Construction Company, Inc.     | Charles H. Lembke      | 150           |

| <u>Firm Name</u>                                | <u>Individual Name</u> | <u>Amount</u> |
|---|------------------------|---------------|
| Leonard's                                       | Leonard J. Grossman    | \$ 50         |
| The Llewellyn Company                           | Bruce A. Gerry         | 125           |
| Lighting & Maintenance Company                  | Gerald Joseph          | 25            |
| Lively Equipment Company                        | D. Orton Smith         | 105           |
| Lobo Joe's                                      | Joe Kramer             | 25            |
| Lydick Roofing Company                          | Jack Pope              | 75            |
| McAtee, Toulouse & Marchiondo                   | W. Peter McAtee        | 20            |
| P. F. McCanna, Inc.                             | Peter F. McCanna       | 50            |
| Robert E. McKee General Contractor              | Robert E. McKee        | 200           |
| Mabry & Mabry                                   | Scott H. Mabry         | 25            |
| Magidson's Restaurant                           | Marty Morrison         | 25            |
| Joe G. Maloof & Company                         | George J. Maloof       | 200           |
| Mandell-Dreyfuss Company                        | Julius Mandell         | 25            |
| Massachusetts Protective Association            | James D. Stanley       | 25            |
| Mead Bakery                                     | Ed V. Mead             | 125           |
| Miller & Smith Manufacturing Company            | M. W. Smith            | 100           |
| Modrall, Seymour, Sperling, Roehl & Harris      | J. R. Modrall          | 100           |
| Monroe Calculating Machine Company, Inc.        | J. R. Dobbs            | 25            |
| Mori's Lounge & Liquor Store                    | Joseph J. Sei          | 25            |
| Morris-Fetters Company                          | Louis Fetters          | 25            |
| Mossman-Gladden, Inc.                           | Fred A. Mossman        | 50            |
| E. S. Mount & Son                               | Kenneth W. Mount       | 25            |
| Mountain States Telephone & Telegraph Company   | Earl E. Louthan        | 500           |
| M. L. Murdock Company                           | Harold B. Murdock      | 25            |
| National Bakery & Cafeteria                     | Archie T. Hogan        | 75            |
| National Bedding Company, Inc.                  | A. C. Hargrave         | 25            |
| National Biscuit Company                        | F. A. Campbell         | 25            |
| National Cash Register Company                  | S. O. Austin           | 25            |
| Nehi-Royal Crown Cola Bottling Company          | Sam A. Minces          | 100           |
| New Mexico Life Insurance Company               | V. L. Wood             | 50            |
| New Mexico Motor Carriers Association           | Leslie R. Thomas       | 100           |
| New Mexico Produce Distributors, Inc.           | L. R. Wenk             | 50            |
| New Mexico School Supply Company                | Gene Calkins           | 100           |
| New Mexico Steel Company                        | Joe Downing            | 25            |
| New Mexico Timber Company                       | T. P. Gallagher        | 100           |
| New York Life Insurance Company                 | Arthur S. Sisk         | 25            |
| Niantic Corporation, Santa Fe, New Mexico       | Jack Wentworth         | 25            |
| Noor Manufacturing Company, Inc.                | O. C. Lackey           | 25            |
| Nordhaus & Moses                                | Robert J. Nordhaus     | 25            |
| Northwest Production Corporation                | James M. Clark         | 50            |
| Occidental Life Insurance Company of California | Robert P. Tinnin       | 250           |
| Oden Chevrolet, Inc.                            | Ed Black               | 100           |
| Edgar D. Otto & Son, Inc.                       | Richard G. Otto        | 25            |

| <u>Firm Name</u>                         | <u>Individual Name</u> | <u>Amount</u> |
|--|------------------------|---------------|
| Feat, Marwick, Mitchell & Company        | J. Bryan Stephenson    | \$ 75         |
| Pecos Sales Company, Roswell, New Mexico | Ralph Matteucci        | 100           |
| J. C. Penney Company, Inc.               | E. R. Werner           | 100           |
| Pepsi-Cola Bottling Company              | Robert R. Reiss        | 50            |
| Cy Perkins Men's Wear                    | Cyrus S. Perkins       | 25            |
| Pic Wik Distributors                     | Harry W. Pickell       | 50            |
| Pickett and Van Landingham               | W. H. Pickett          | 125           |
| Piggly Wiggly Shop Rite Foods, Inc.      | J. S. Reinhart         | 100           |
| Robert Porter & Sons, Inc.               | Edward Heller          | 40            |
| Presbyterian Hospital                    | Ray Woodham            | 25            |
| Pubco Petroleum Corporation              | Frank D. Gorham        | 25            |
| Quinn & Company                          | Arthur P. Quinn        | 25            |
| Rainbo Baking Company                    | Jack F. Howard         | 150           |
| C. E. Redman Photo Studio                | C. E. Redman           | 25            |
| Paul Revere Life Insurance Company       | H. L. Cundy            | 25            |
| Rio Grande Steel Products Company, Inc.  | Walter T. Jones        | 150           |
| Robertson & Summers                      | G. E. Robertson        | 50            |
| Rocky Mountain Wholesale Company         | T. D. Pickett          | 100           |
| Rodey, Dickason, Sloan, Akin & Robb      | Don L. Dickason        | 100           |
| Romney Produce Company                   | M. H. Romney           | 25            |
| Ross-Beyer Engineering                   | C. B. Beyer            | 25            |
| Ross-Beyer Engineering                   | Edmund Ross            | 25            |
| Ruch Auto Company                        | Roscoe R. Ruch         | 25            |
| George A. Rutherford, Inc.               | George A. Rutherford   | 100           |
| J. H. Ryan & Son, Inc.                   | J. H. Ryan             | 100           |
| Sanitary Laundry & Dry Cleaners          | James Rutledge         | 60            |
| Santa Fe Builders Supply Company         | Fred McElheney         | 50            |
| Sears, Roebuck & Company                 | Lloyd E. Walvoord      | 75            |
| Seven-Up Bottling Company                | H. P. Daulton          | 50            |
| Sherm's Coffee Shop                      | Sherman C. Anderson    | 50            |
| Shufflebarger & Associates, Inc.         | Frank D. Shufflebarger | 100           |
| Sigler's Downtown Cafeteria              | James F. Sigler        | 25            |
| Simon's                                  | Simon Goldman          | 25            |
| Sine Lumber Company                      | L. J. Kearney          | 50            |
| D. D. Skousen & Son                      | C. B. Mohler           | 50            |
| D. D. Skousen & Son                      | D. D. Skousen          | 100           |
| Skousen-Hise Contracting Company         | N. J. Skousen          | 200           |
| Edward H. Snow Construction Company      | Edward H. Snow         | 50            |
| Southwest Brokerage Company              | Jack Little            | 25            |
| Spitzmesser's                            | Harry W. Spitzmesser   | 25            |
| Springer Transfer Company                | Roy D. Strome          | 200           |
| Standard Oil Company of Texas            | J. B. Ewing            | 169.75        |
| Stanley & Card, Grants, New Mexico       | Dean Stanley           | 100           |
| Star Oil Company                         | A. R. Ray Tidwell      | 25            |
| State-Wide Products Company              | Irving Seligman        | 25            |
| Stromberg's                              | Jack C. Stromberg      | 200           |
| Strong-Thorne Mortuary                   | Oren W. Strong         | 100           |

| <u>Firm Name</u>                     | <u>Individual Name</u>    | <u>Amount</u> |
|--------------------------------------|---------------------------|---------------|
| Arthur Stuart Company                | A. H. Spiegel             | \$ 50         |
| Sunny State Distributing Company     | Joseph G. Ruvalo          | 25            |
| Super Service Station & Tire Company | Dante J. Menicucci        | 25            |
| Texaco                               | W. H. Roloff              | 100           |
| Henry Thygeson & Company             | Henry Thygeson            | 100           |
| Towne House                          | C. C. Cook                | 50            |
| Tri-State Brokerage Company          | Charles Wright            | 25            |
| University Book Store                | Archie Westfall           | 25            |
| Valley Gold Dairies, Inc.            | H. Edward Howie           | 50            |
| The Valliant Company                 | George Valliant           | 75            |
| R. B. Waggoman Company               | R. B. Waggoman            | 200           |
| Welch-Erwin Corporation              | Robert O. Erwin           | 25            |
| West Furniture Company               | Vance J. West             | 25            |
| Western Investments, Inc.            | O. D. Propps, Jr.         | 100           |
| Western Wholesale Company            | Robert G. Fulton          | 50            |
| Widney & Widney                      | Dr. George C. Widney, Jr. | 25            |
| Yale Realty Company                  | Gus Bruskas               | 50            |
| Yearout Electric Company             | Johnnie Yearout           | 100           |
| Zork Hardware Company of New Mexico  | Rudolf Dreyer             | 50            |

#### B. Contributions from Individuals

| <u>Individual Name</u>             | <u>Amount</u> |
|------------------------------------|---------------|
| Jack Adams, Santa Fe, New Mexico   | \$100         |
| Dr. Stuart W. Adler                | 25            |
| R. F. Deacon Arledge               | 25            |
| Mario J. Bachechi                  | 50            |
| R. R. Barker                       | 25            |
| L. C. Becker, Belen, New Mexico    | 100           |
| Dr. William A. Blueher             | 25            |
| Dr. H. L. Brehmer                  | 50            |
| Dr. Robert Carmignani              | 25            |
| George E. Custer                   | 35            |
| Robert C. Davidson                 | 25            |
| W. M. Davies                       | 25            |
| Alvin F. Denison                   | 50            |
| Dr. William E. Dennard             | 25            |
| Paul L. Dorris                     | 25            |
| Dr. J. S. Eilar                    | 25            |
| J. K. Elder                        | 50            |
| Dr. Charles A. Eiler               | 25            |
| W. J. Erbe                         | 25            |
| D. A. Evatt                        | 50            |
| Dr. W. A. Fanning                  | 25            |
| Clifford Gatzert, Lodi, California | 100           |
| Hugo Glomi                         | 100           |

| <u>Individual Name</u>                   | <u>Amount</u> |
|--|---------------|
| Thomas F. Glavey                         | \$ 25         |
| W. B. Groseclose                         | 25            |
| James F. Gutierrez                       | 25            |
| Charles M. Hagest                        | 25            |
| Dr. Richard Hall                         | 25            |
| Luther D. Harris                         | 50            |
| Dr. F. Carter Haydon                     | 25            |
| G. G. Hendrix                            | 50            |
| Louis G. Hesselden                       | 50            |
| John H. Hill                             | 25            |
| Charles L. Hines                         | 25            |
| G. H. Hines                              | 25            |
| Paul J. Hisey                            | 25            |
| Philip Hubbell                           | 40            |
| Dr. Bert Kempers                         | 25            |
| Ferdinand Koch, Santa Fe, New Mexico     | 25            |
| Dr. James Chess, Los Angeles, California | 25            |
| A. S. MacArthur, Wagon Mound, New Mexico | 100           |
| John P. McFarland                        | 25            |
| J. B. McManus, Jr.                       | 25            |
| Dr. Louis A. McRae, Jr.                  | 25            |
| Gino J. Matteucci                        | 25            |
| Lawrence Milne                           | 25            |
| Bruce Mosely                             | 50            |
| Dr. D. A. Mullings                       | 25            |
| Dr. W. E. Nissen                         | 25            |
| Merritt W. Oldaker                       | 35            |
| Dr. S. L. Painter                        | 25            |
| Dr. Bennett F. Roberts                   | 25            |
| Stewart Rose III                         | 25            |
| Dr. Frank A. Rowe                        | 25            |
| Dr. E. E. Royer                          | 25            |
| Victor Salazar                           | 50            |
| Dr. R. V. Seligman                       | 25            |
| Dr. James S. Shortle                     | 25            |
| Caswell Silver                           | 25            |
| Albert G. Simms                          | 50            |
| Dr. Albert G. Simms II                   | 25            |
| Harvey A. Summers                        | 25            |
| Paul Tackett                             | 25            |
| Dr. A. J. Tanny                          | 25            |
| John B. Tittmann                         | 25            |
| C. E. Top                                | 25            |
| Dr. J. R. Van Atta                       | 25            |
| Dr. P. E. Walley                         | 25            |
| Fred A. White                            | 25            |
| John P. Wiedemer                         | 25            |

| <u>Individual Name</u> | <u>Amount</u> |
|------------------------|---------------|
| Dr. J. W. Wiggins      | \$ 25         |
| Tom Wilson             | 25            |
| Joseph T. Yoakum       | 50            |

C. "Full" Scholarships (Deposited in the New Mexico Scholarship Fund)

| <u>Firm Name</u>                        | <u>Individual Name</u> | <u>Amount</u> |
|---|------------------------|---------------|
| Albuquerque National Bank               | Oscar Love             | \$ 850        |
| First National Bank                     | Cale W. Carson         | 850           |
| Charles Ilfeld Company                  | Frank A. Mapel         | 850           |
| Paris Shoe Store                        | Pete Matteucci         | 850           |
| Public Service Company of New Mexico    | Frank D. Gorham        | 1,000         |
| Rio Grande Steel Products Company, Inc. | Walter T. Jones        | 1,200         |
| Southern Union Gas Company              | Tom Corr               | 1,300         |

D. Other Contributions (Only those received or acknowledged through this office)

| <u>Scholarship Name</u>                                       | <u>Individual Name</u>    | <u>Amount</u> |
|---|---------------------------|---------------|
| Order of Ahepa Scholarship                                    |                           | \$ 125        |
| Ballut Abyad Scholarship                                      |                           | 2,500         |
| Sam and Frances Joy Dazzo Scholarship Fund                    | Sam and Frances Joy Dazzo | 5,000         |
| Dean Alfred L. Gausewitz Scholarship Fund                     |                           | 60            |
| Abraham Lincoln Mitchell Scholarship                          | Dorothy Coulter           | 4,000         |
| New Mexico Retail Licensed Beverage Association Scholarships' |                           | 1,000         |
| James R. Toulouse Art Department Award                        | James R. Toulouse         | 100           |
| The Berta Hurt Van Stone Memorial Scholarship                 | Mr. and Mrs. W. M. Mayer  | 1,130         |



THE REPORT OF THE DEPARTMENT  
OF INTERCOLLEGIATE ATHLETICS  
July 1, 1958 - June 30, 1959  
Pete McDavid - Athletic Director

I. Significant developments during the academic year, 1958-59.

At the varsity level, our teams have competed in the following sports: football, basketball, track, baseball, tennis, wrestling, swimming and golf. Freshmen teams played regular schedules in football and basketball.

The varsity football team under the guidance of Marv Levy was second in the Skyline Conference, defeating the champion, Wyoming, 13 - 12 while losing a single game to Brigham Young University. The overall season record was a respectable seven wins as against three losses. Arizona University was defeated for the second consecutive year and the Kit Carson Rifle is still in our possession and on display in the trophy case in Johnson Gymnasium. Don Perkins, halfback, and Don Black, end, were both named to the official All Skyline Conference first team. Perkins led the conference in rushing for the second consecutive year and Black caught more touchdown passes than any other end in the nation.

Great improvement was noted in the swimming program under the able guidance of coach John Williams. Jay Moxley was the Skyline Conference diving champion and represented the University in the N. C. A. A. Championships.

The golf team won their third consecutive Skyline Conference Championship. Jimmy Breen and Vic Kline participated in the N. C. A. A. Championships after gaining numerous individual honors throughout the year.

Student athlete Jack Kennedy was the No. 1 singles finalist in the Skyline Conference for the third consecutive year and represented U. N. M. in the N. C. A. A. Meet held in Evanston. Our team finished third in conference play.

Coach Hugh Hackett, in his first year, has already proven that the track future at U. N. M. is indeed bright. The team finished second in conference

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competition and was the Eastern Divisional Champion. Dick Howard and Buster Quist brought national honors to our school by qualifying for the Russian - American and Pan American Games. Howard won the N. C. A. A. and National A. A. U. 400 meters races and held the best time in the nation in the 220 yard low hurdles in 22.4 seconds. Quist was second in both meets in the javelin throw.

An aggressive recruiting program was continued by our coaching staff. All major high schools in New Mexico were visited and also numerous schools in Kansas, Arizona, Colorado, Illinois, Ohio, Indiana, Pennsylvania, New York, Massachusetts, Texas, Connecticut, New Jersey, Virginia, West Virginia and California. The picture appears bright for a fine incoming group of freshman athletes.

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.

The following attractions were held this year in Johnson Gymnasium:

1. New Mexico Education Association Annual Convention.
2. New Mexico High School Basketball Tournament
3. New Mexico High School Swimming Tournament.
4. New Mexico High School Wrestling Tournament.
5. The Jack Kramer professional tennis tour.
6. Harlem Globe Trotters - sponsored by Albuquerque Jaycees.
7. New Mexico High School Band Festival.

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In addition, our athletic department acted as hosts to the following events:

1. Frontier Conference Spring Sports Championships.
  2. Skyline Conference Cross Country Championships.
  3. New Mexico High School Track Championships.
  4. New Mexico A. A. U. Track Championships.
  5. New Mexico High School Golf Championships.
  6. New Mexico High School Tennis Championships.
  7. New Mexico High School Pentathlon Championships.
  8. Albuquerque Invitational Track Meet.
  9. New Mexico High School Coaches Association, Downtown Lions Coaching School and All Star Football Game.
  10. Air Research Development Command Track and Field Championships.
- II. Significant Plans and Recommendations for the near future.

The University Athletic Department should continue to encourage and foster as many high school activities on our campus as possible. The very favorable response received from school people throughout the state indicates that we should be able to host the state basketball tournament for many years in the future. We should continue to co-operate with the Albuquerque Chamber of Commerce and the New Mexico school officials in order to make this possible. The University should offer its facilities to the New Mexico High School Activities Association for next years tournaments and meets. Plans are already being initiated in order to make these proposed projects a success.

Within the near future efforts should be made to field a gymnastics team, a sport recognized by our conference. In the meantime, the entire department will make every effort toward continuing progress now becoming evident in all areas of our intercollegiate sports program.

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III. Appointments to Staff:

Hugh Hackett - Track Coach, July 1, 1958

Bob Sweeney - Elevated to Head Basketball Coach, July 1, 1958

Harry Miller - Assistant Basketball Coach, July 1, 1958

Don Chelf - Freshman Football Coach, July 1, 1958

Mary Levy - Elevated to Head Football Coach, July 1, 1958

IV. Separations from Staff:

## THE REPORT OF THE UNIVERSITY LIBRARIES

July 1, 1958 - June 30, 1959

David Otis Kelley, University Librarian

## THE COLLECTIONS

With the net addition of 13,226 volumes during the year, the total number of volumes in the university libraries has reached 296,936. The yearly increase of 4.6% is just slightly more than the year before. In fact, we seem to have settled into a pattern so far as the development of the collections is concerned. We need to increase by some 10% to provide even a modest library service for a university the size of U.N.M. Creeping inflation prevents any rapid progress in building up our collections to a proper university library size. Even though we increase our book funds we can not buy many more titles. And the publishers and dealers are still increasing prices. We can not yet see the end of inflation. The following table indicates the situation over the past three years.

|         | <u>Percentage Increase Over<br/>Previous Year in the Size<br/>of Collections.</u> | <u>Percentage Increase<br/>of Expenditures for<br/>Books &amp; Periodicals</u> |
|---------|---|--|
| 1956-57 | 4.4%  | 16.2%  |
| 1957-58 | 4.3   | 19.2   |
| 1958-59 | 4.6   | 14.5   |

It seems that a book and periodical fund increase of about 25% each year for the next few years will be a necessity if we are to fulfill our literature responsibilities reasonably well, and especially so if we should add more doctoral programs, area studies programs and new colleges. Even this will be a modest increase when we consider that during the past decade the total amount of scholarly publishing in the United States increased by about 62%. Publishing in science increased almost 100%. The average cost of scholarly

books increased 110% and the cost of journals 90%.

We are building the collections through careful selection of volumes acquired by purchase, gift, and exchange. We regret that our collection building activities are partly nullified by what seems to be an increasing book loss. This is a difficult problem to solve. There are more and more requests each year from faculty and students for access to the stacks. We want to make the books easily accessible to all. A few years ago we placed about 15,000 volumes on open shelves in the Undergraduate Room to provide more accessibility, but losses from this room are causing us to become concerned. Other libraries are faced with the same problem. One university librarian recently reported that "it would appear that perhaps 5 to 8 per cent of the books represented in the public catalog are missing in inventory." At the meetings of the Faculty Library Committee on October 17th and October 31, 1958 I discussed this problem and recommended that one possible solution might be the opening of the stacks to all, closing two building exits, and placing a controlled turnstile check point at the single exit. The consensus was that we should not do this at the present but should continue operations with the three building exits as at present. It is earnestly hoped that we can move toward completely open stacks and a single exit when we construct an addition to the building, and that this will reduce the volume of book loss. Other expedients will be sought also.

In our book purchase activity during the year we were slightly hampered by the strict state law requiring bids on all purchases over \$200. Our Purchasing Agent was very cooperative and helpful in this matter and we probably did not lose many desired items. The change in the law to require bids only on purchases of \$500 and above will improve the situation but will not eliminate all problems. It would seem more logical and more efficient to exempt library book purchases from the bidding requirement.

It is a pleasure to report that nearly all departments and colleges used their book fund allocations more completely and somewhat earlier in the year. The Special Purchases Fund was also used rather frequently by some departments to strengthen the holdings through bloc purchases. We strongly desire that this fund be increased at a rate even higher than other funds.

During the year we added quite a few Russian materials, several scientific and general Russian periodicals mainly in English translation. Faculty members in the sciences desire a greater number of these Russian journals but the subscription rates, even with the translation subsidies, are exceedingly high. There are so many publishing projects of great importance to the world of scholarship, but which require such large outlays of funds, that we find ourselves continually frustrated.

An important purchase was the private library of Brazilian and Spanish-American literature collected by Dr. Marie Wallis. We added a number of important works on British parliamentary oratory through the book hunting activities of Dr. Cullen B. Owen who was on sabbatical leave in England during the second semester.

The largest gift of the year was the library of the late Pearce Rodey presented by his daughter, Mrs. Edgar Faust. Mrs. Ina Sizer Cassidy of Santa Fe gave 107 publications to add to the Cassidy collection. Some sixty volumes, mostly on art, from the estate of Judge William Denman of San Francisco was a valuable addition. Mr. and Mrs. Robert E. Thornton of Honolulu presented 173 volumes dealing with the drama. Another valuable gift was Dr. Edward H. Tatum's collection of eighty volumes, mostly standard historical works. Large gifts of periodicals came from Mr. Lee McKittrick, Mr. Guy Martin, and Mrs. Joaquin Ortega.

Mrs. Edith Blessing added fourteen volumes to her earlier gift of Henry

James material. Mrs. Jessy Sullivan of Sapulpa, Oklahoma continued her annual monetary gift, and Mrs. Mildred B. Buhler of Albuquerque gave us a much-needed steel map case.

As in past years, University faculty and staff members contributed generously to the Library. Among these contributors were President Tom Popejoy, Vice President E. F. Castetter, Miss Virginia Dean, Dr. Julian S. Duncan, Dr. John Green, Dr. A. V. Martin, Miss Genevieve Porterfield, Dr. France V. Scholes, Prof. Ramon J. Sender, Dr. Harold L. Walker, Dr. A. A. Welck and Mrs. Marian Woodward. Former faculty members who manifested their continued interest in the University by gifts to the Library included Mrs. Edith Blessing, Prof. Roy Johnson, Mr. Wilfred D. Kelley, Mrs. Lolita H. Pooler, Dean J. D. Robb, Miss Wilma Shelton, and Dr. Dorothy Woodward.

The length of this year's list of donors given as Appendix E indicates that our acquisitions by gift continue at a fine rate. We are always grateful for our donors.

The exchange program of current publications is gradually diminishing because we do not have publications to exchange with other institutions. We have been dropped from exchange mailing lists of a number of institutions. The duplicate exchange program has been much more active. We sold \$592.77 worth of duplicate material, adding this sum to the book funds. We sent eleven lists of duplicate books, periodicals, and documents to other institutions. From these lists we filled 277 requests. We sent one large shipment to the United States Book Exchange in Washington. We received from other libraries 145 shipments which included 1,398 issues of unbound periodicals, 86 bound periodicals, 117 books, and 256 government publications. These bare statistics can not show the hours of staff time involved in checking, determining needs, etc., nor do they show the relative values of these materials in our collections.



## ORGANIZATION OF THE COLLECTIONS

The staff of catalogers worked very diligently to handle an increasing volume of material, and despite such handicaps as too-frequent staff changes they managed an 11% increase in the number of new titles cataloged. This is the fourth successive year to record an increased number of new titles cataloged, and all with the same number of catalogers. However, the three catalogers have just barely kept the flow of current materials going. They have not been able to accomplish such other work as the editing of the public catalog, revising older subject headings, replacing worn and soiled cards, adding additional guide cards, reclassifying some collections, studying the latest (16th) edition of the Decimal Classification and making decisions about its use, and cataloging the microfilm. During the year they were able to complete the transfer of all biographies from the B classification to the number classification. The addition of one new cataloger and a new clerical assistant is greatly appreciated and should make it possible to attack some of these extra projects and greatly improve the bibliographic organization of our materials.

The number of serial publications received daily continues to grow. We now have a total of 8,543 serial titles currently being received. On a sampling basis we estimate that our assistants checked in some 57,800 serial issues.

We bound 394 more volumes of periodicals than during the previous year thus channeling our binding fund increase into this part of the collections. Since we placed 105 new periodical subscriptions the binding fund increase was more than absorbed here. As we go into 1959-60 we have increased prices for binding plus a reduced discount. So once again we will go into deeper binding arrears even with a \$2,000 increase in the fund.

The organization of our government publications collection has now

reached a fairly satisfactory stage of completion. It should be possible now to handle the incoming material satisfactorily and move in the direction of a planned collection rather than a random one. Analysis of the government publications collection reveals that about 94% of it is serial in nature and only 6% monographic.

The Special Collections Librarian spent much time in developing a better organization of the 47,678 maps, and acquiring some index maps for greater ease in the use of these maps. Several shipments of maps from the Army Map Service were added, making a total of 4,088 new maps processed during the year. He rearranged the several card files making one catalog for all materials in the Division. He supervised the move of the collection of restricted books from the stacks to Room 210-B clearing more stack space for the growing collections there. He moved the museum collection into a larger room, Room 215, to permit its viewing upon request.

The Photographic Reproduction Laboratory becomes busier each year. We greatly need a full time assistant for this work. Our present assistant is exceedingly competent but can only work about half time. He produced 90% more microfilm frames and 22% more microfilm enlargement prints than during last year. Of course there is a limit to this sort of increase and the limit was probably reached in this report year.

#### READER SERVICES

It is difficult to find an index to the quantity and quality of performance in the area of services to readers. We tally the number of general reference questions asked, but the questions and problems worked on by reference librarians vary considerably in complexity. Realizing the limitations of the index we still use it, along with others of similar validity, as the best we can do.

There were 13,381 general reference questions handled and 445 questions requiring lengthy literature searches. This was somewhat lower than a year ago and is explained by the fact that two departments and one college changed certain teaching methods. Reference work is heaviest during October, March, and April, months when there is a diligent application of students to the preparation of research papers.

The total number of interlibrary loan transactions increased 26% over 1957-58. The number of books borrowed decreased but there were many more loaned, especially to libraries in New Mexico.

The reference librarians gave instruction to class groups upon request. There were 69 English classes, two Speech, two Education, two Nursing, one Health Education, and one Chemical Engineering. This instruction should enable more students to help themselves with library materials.

Special bibliographic projects included a subject index of U.N.M. theses and dissertations, the beginning of a subject index of New Mexico publications, a catchword index to bills introduced in the 1959 New Mexico Legislature, a bibliography on censorship, and a list of D. H. Lawrence material in the library.

Assistant Reference Librarian, Jay Ladd, prepared the following 15 exhibits: New Mexico, Summer Theatre in the U.S.A., Do It Yourself Aids, Theodore Roosevelt's Centennial, 1858-1959, American Education Week, Thanksgiving Across the U.S.A., Merry Christmas From the Library Staff, The Future in Education, Science and Social Science, Western Books, Banned Books, Faculty Publications, Popular Mexican Art, and U.N.M. in Words and Pictures.

Statistics of book circulation are about the same as the year before, but with an increasing enrollment this represents a declining use of books on a per student basis. The number of loans per student during the past four years is as follows:

|         |   |      |
|---------|---|------|
| 1955/56 | - | 16.0 |
| 1956/57 | - | 15.7 |
| 1957/58 | - | 12.6 |
| 1958-59 | - | 12.0 |

These are disturbing figures, for book circulation might be a fair index of intellectual activity. Probably many causative factors could be cited. One reason is the larger number of students using books in the building, and this use not being recorded. Another reason may have to do with the increasing number of part-time students who travel to the campus only at class time and rely mainly upon textbook reading. But a major reason is undoubtedly the inadequacy of the present building. Lack of air conditioning has brought about a small usage during Summer Session. We hope to see this changed next summer. It will take a nice new building, however, to really attract students. Buildings get old and unattractive just as automobiles do. There are many other universities with new library buildings where the library usage increased materially. One of our neighboring universities moved into a library addition in March, 1958 and later reported that attendance increased four to five times.

The Circulation Librarian has had a major task of shifting stack collections to make room for the incoming new books. Two or three student assistants, who seem to thrive on this type of labor, have kept almost continually involved in shifting. A major move is going on at the present time. When shelves get fairly well filled and we receive 28 volumes of the Royal Asiatic Society Journal or long runs of Mathematische Annalen, as we did this year, it is impossible to shelve them properly until a major shifting is completed. Without proper shelving our service to the readers is impaired. A building addition is greatly needed or we may soon move into a chaotic condition.

#### THE LIBRARY STAFF

Staffing seems to follow the same pattern of the past several years.

There is a small turnover among librarians, and a higher turnover rate among non-professional assistants and student part-time assistants. Some improvement in salary rates for clerical personnel and an improved wage scale for part-time assistants may help on this problem during 1959-60.

Harold Bellingham, Cataloger, left the staff in August, 1958 to join the staff of the Los Angeles County Medical Association Library. He returned to his former post here during August, 1959. While he was away for one year, Mrs. Frances Thompson served in his position of Cataloger.

At the close of the report year Miss Dorothy Wonsmos, Assistant Reference Librarian, resigned to move to the Midwest. Her position was filled with the appointment of Miss Marjorie Dick who was formerly Assistant Social Science Librarian at the University of Idaho.

With the beginning of 1959-60 we were able to create one new professional position- that of Cataloger. To this post we appointed Mr. Harley C. Brooks, Jr., formerly Librarian of Hiwassee College in Madisonville, Tennessee.

In our non-professional staff we had resignations from Mrs. Mary Jane Copeland, John P. Blum, Loyd Feynn, Mrs. Geraldine Hedstrom, and Mrs. Edna Mae Morgan. New appointments were: Mrs. Irene Coats, Mrs. Joan Hyatt, Mrs. Alice Seeds, and Miss Carol Bloom. One new position in the Technical Processes Department was created at the close of the year.

We had a fine group of student assistants during the year. The Circulation Librarian, who supervises an average of about 35 students during each of the fall and spring semesters, considers that he had the "best all-around group" we have had in recent years. The Acquisition Department used two assistants, Technical Processes five, Reference Department two, and Government Publications, Special Collections, and the Librarian's Office one each. During the year our students worked a total of 26,642 hours at an average rate of 78¢ per hour.

As part of their contribution to library service our librarians participated in a number of meetings, did committee service, held offices in associations, etc.

Miss Helen McIntyre attended the Third Seminar on Acquisition of Latin American Library Materials in Berkeley and the American Library Association conference in San Francisco in July, 1958 and the annual meeting of the New Mexico Library Association in Alamogordo in April, 1959. She continued as chairman of the Albuquerque Library Association's committee on a union list of serials.

Mr. Jay Ladd was President of the Albuquerque Library Association. He attended meetings of the Rio Grande chapter of the Special Libraries Association in Los Alamos and in Albuquerque. He also attended the annual meeting of the New Mexico Library Association in April 1959. He participated in a panel discussion on KHFM radio in Albuquerque.

Miss Theresa Gillett attended the San Francisco conference of the American Library Association in July, 1958. She was chairman of the Current Literature Group of the Albuquerque Branch of A.A.U.W. She was elected Treasurer of the Albuquerque Library Association for 1959-60.

Miss Helen Hefling attended the April 1959 meeting of the New Mexico Library Association in Alamogordo. She served on the Program Committee of the Albuquerque Library Association and was reappointed to this post for 1959-60.

David Otis Kelley attended the biennial conference of the Southwestern Library Association held in Galveston in October 1959. As chairman of the Publications Committee he edited the Papers and Proceedings of the conference. At the conference he completed his two-year term as editor of the S.W.L.A. Newsletter. He attended the annual meeting of the New Mexico Library Association in April 1959, participating in a panel discussion on the role of the library in research work. He wrote a short article on the censorship problem for New Mexico Library Bulletin. He wrote some short book reviews for the Library Journal. He begins a three-year term as state representative for New Mexico and Arizona in the Association of College and Research Libraries.

## A FORWARD LOOK

When we consider library service at U.N.M. for the years ahead, several factors come immediately into view. Perhaps the first thing is service to a larger number of students, faculty and other townspeople. I will not repeat all details about our need for a larger library building. The annual reports since 1950 have pointed out this need. It can be summarized by stating that the present building is suited to a college of 2,500 students, a book collection of 230,000 volumes, and a library staff of 10 persons. This September we will have 7,200 students, 250,000 volumes plus a large quantity of other material, and a staff of 26 persons. A building addition is urgently needed very soon.

A second future need will be substantial increases in funds for books and other materials. We are fast becoming a sizable university in number of students, number of colleges and departments, and number of degree curricula offered. We are not keeping the library services up to the quality required. Financial support is not always the solution to problems, but in the case of building adequate literature collections to support a university program such as we have it is essential that we have the money or the books can not be acquired. Technical and scientific books once costing \$5.00 now may cost \$15.00. Subscriptions to journals and society memberships cost a good deal more than they did a few years ago. Our professors and students require much more of the world's publishing output to keep abreast of developments. From such statistics as are available we have selected those other institutions similar in size to U.N.M. and compared our expenditures for books and periodicals. The results indicate that we are not doing as well as they. As soon as possible we should budget at least \$100,000 for books and periodicals and \$20,000 for binding.

Book, Periodical and Binding Expenditures, 1957-58, for Some  
Institutions of Comparable Size

| <u>Institution</u> | <u>Undergraduate<br/>Enrollment</u> | <u>Graduate<br/>Enrollment</u> | <u>Expenditures for<br/>Books, Periodicals<br/>and Binding</u> | <u>Total Library<br/>Expenditures<br/>Per Student</u> |
|--------------------|-------------------------------------|--------------------------------|--|---|
| NEW MEXICO         | 5,441                               | 1,207                          | \$ 76,997  | \$33.18   |
| Univ. of Georgia   | 5,558                               | 432                            | 138,845  | 58.65   |
| Univ. of Hawaii    | 5,788                               | 787                            | 96,335   | 41.00   |
| Johns Hopkins      | 6,051                               | 1,429                          | 116,864  | 53.66   |
| U. of Kentucky     | 6,327                               | 970                            | 195,170  | 63.58   |
| U. of No. Car.     | 5,132                               | 1,906                          | 220,283  | 97.15   |
| U. of Oregon       | 5,761                               | 758                            | 121,573  | 74.81   |
| Rochester Univ.    | 5,263                               | 1,194                          | 122,766  | 59.05   |
| Washington State   | 5,504                               | 547                            | 103,458  | 59.06   |

An increased student enrollment and an increased size of library book collection will obviously call for a proportional increase in the size of the library staff. Some new librarians and some new clerical assistants will be needed when we achieve a building addition. Also the staff salary problem will be one that will demand our attention. Some other libraries in our area are offering higher salaries than we. In addition they give librarians faculty rank with such advantages as sabbatical leaves. We should do as well if we expect to attract and retain a fine, well-qualified staff.

Concluding this report I wish to record my gratitude to a loyal and capable staff. They have truly accomplished much during the year. I also wish to state that it has been a genuine pleasure to work with faculty members and with the faculty's Library Committee under the capable chairmanship of Dr. Raymond Castle. And, I am continually appreciative of Vice President Castetter's and President Popejoy's patient hearing of our problems and needs and of their support in the work we are doing.

Respectfully submitted,

*David Otis Kelley*

David Otis Kelley  
University Librarian



## Appendix A

## SIZE AND GROWTH OF THE COLLECTIONS

|  | <u>General<br/>Library</u> | <u>Law<br/>Library</u> | <u>Total</u> |
|--|----------------------------|------------------------|--------------|
| Number of Cataloged Volumes<br>in Libraries, June 30, 1958 | 236,940                    | 46,770                 | 283,710      |
| Volumes Added (net), 1958-59                               | 10,236                     | 2,990                  | 13,226       |
| Number of Cataloged Volumes<br>in Libraries, June 30, 1959 | 247,176                    | 49,760                 | 296,936      |
| Percent Increase Over Previous Year                        |                            |                        | 4.6%         |

| Other Processed Material in the<br>Libraries: | <u>June 30, 1958</u> | <u>Added<br/>1958-59</u> | <u>Total<br/>June 30, 1959</u> |
|---|----------------------|--------------------------|--------------------------------|
| Government Publications                       | 182,507              | 13,887                   | 196,394                        |
| Maps (approximation)                          | 43,590               | 4,088                    | 47,678                         |
| Microfilm (reels of varying length)           | 3,420                | 465                      | 3,885                          |
| Microcards                                    | 42,989               | 8,171                    | 51,160                         |
| Sound Recordings                              | 761                  | --                       | 761                            |
| Slides (2" x 2")                              | 348                  | --                       | 348                            |

## Appendix B

PROCESSING OF MATERIALS  
General Library

|  | <u>1958-59</u> |
|--|----------------|
| New Titles Cataloged - - - - -                     | 7,152          |
| Volumes Added: By Purchase- - - - -                | 5,966          |
| By Gift and Exchange - - - - -                     | 2,119          |
| By Binding of Periodicals- - - - -                 | <u>2,724</u>   |
| Total volumes added                                | 10,809         |
| Number of Cards Added to the Public Catalog- - - - | 28,411         |
| Number of Volumes Recataloged- - - - -             | 195            |
| New Serial Titles Added - - - - -                  | 363            |
| Binding: (in volumes)                              |                |
| Books - - - - -                                    | 1,694          |
| Periodicals - - - - -                              | <u>2,680</u>   |
| Total  | 4,374          |
| Photographic Services:                             |                |
| Negative Microfilm Frames Made - - - - -           | 51,686         |
| Enlargement Prints Made - - - - -                  | 5,352          |

## Appendix G

USE OF LIBRARY RESOURCES  
General Library

|                               |         |         |
|-------------------------------|---------|---------|
| For Use in Building - - - - - | 21,351  | volumes |
| Two-Week Loans - - - - -      | 107,045 | "       |
| Reserved Book Loans - - - - - | 28,526  | "       |
| Interlibrary Loans:           |         |         |
| Loaned - - - - -              | 578     |         |
| Borrowed - - - - -            | 397     |         |
| Total Loan Transactions       | 157,897 | volumes |

## Appendix D

## EXPENDITURES

## General and Law Libraries:

|  |             |              |
|--|-------------|--------------|
| Books and Periodicals -                        |             |              |
| Departmental Fund - - - - -                    | \$42,070.35 |              |
| General Book Fund - - - - -                    | 8,107.29    |              |
| Special Purchases Fund - - - - -               | 5,855.77    |              |
| Law Library Book Fund - - - - -                | 10,411.55   |              |
| * T. M. Pepperday Law Book Fund - - - - -      | 6,341.65    |              |
| * Walter Sullivan, Jr. Memorial Fund - - - - - | 43.65       |              |
| * Thomas S. Bell Fund - - - - -                | 123.05      |              |
| Sub-Total                                      |             | \$72,953.31  |
| + Supplies and Expense - - - - -               | 5,124.11    |              |
| Equipment - - - - -                            | 542.31      |              |
| Binding - - - - -                              | 12,004.00   |              |
| Salaries - - - - -                             | 112,934.38  |              |
| Student Assistance - - - - -                   | 22,918.03   |              |
| Sub-Total                                      |             | \$153,522.83 |
| Total Expenditures for Libraries - - - - -     |             | \$226,476.14 |

Percentage Distribution of Expenditures, 1958-59

|                                  | Amount       | Percent of Total |
|----------------------------------|--------------|------------------|
| Books, Periodicals, and Binding  | \$84,957.31  | 37.6             |
| Salaries and Wages               | 135,852.41   | 59.9             |
| Supplies, Expense, and Equipment | 5,666.42     | 2.5              |
|                                  | \$226,476.14 | 100.0            |

\* Non-institutional funds.

\* This entry includes FICA, New Mexico state retirement payments, and travel.

## Appendix E

## DONORS

## Individual Donors:

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 Mrs. Lefler  
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 Miss Helen McIntyre  
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 Judge John B. McManus, Jr.  
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 Mrs. H. C. Maupin  
 Gov. Edwin L. Mechem  
 Mr. Clark Melling  
 Mr. Francis Menapace  
 Sr. Honorio da C. Monteiro Filho  
 Mrs. William D. Mudd  
 Mr. Stewart F. Musket  
 Dr. Madaline Nichols  
 Sr. Pio Niro  
 Mrs. Joaquin Ortega  
 Mr. Charles McKew Parr  
 Mr. and Mrs. Frank C. W. Pooler  
 Miss Genevieve Porterfield  
 Dr. Lawrence Clark Powell  
 Mr. Lucien Price  
 Mr. and Mrs. Lynn L. Ralya  
 Mrs. Jeanette P. Reed  
 Dr. Frank Reeve  
 Dr. Allan Richards  
 Miss Anne Risser  
 Dean J. D. Robb  
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 Miss Katherine Simons  
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 Mrs. Solomon L. Skoss  
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 Mrs. W. J. Smith  
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 Mr. James L. Weil  
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 Mr. Philip Wesson  
 Mr. C. S. Williams  
 Mr. Oscar Williams  
 Prof. Ambrose P. Winston  
 Dr. Nathaniel Wollman  
 Miss Dorothy Wonsmos  
 Mr. Edward Cope Wood  
 Dr. Dorothy Woodward  
 Mrs. Marian Woodward  
 Dean Dudley Wynn  
 Dr. Miles V. Zintz

Selected Institutional Donors:

University of Alabama. Library.  
 Albuquerque Association of Retarded Children.  
 Albuquerque Junior Chamber of Commerce.  
 Albuquerque Public Library.  
 Albuquerque Public Schools. Audio Visual Department.  
 American Institute for Economic Research.  
 American Jewish Historical Society.  
 Bernalillo County Indian Hospital.  
 Bernalillo County Tuberculosis Association.  
 Bollingen Foundation.  
 Calvin K. Kazanjian Economics Foundation, Inc.  
 Committee for Economic Development.  
 Controllership Foundation, Inc.  
 Ford Foundation.  
 Gallaudet College Alumni Association. Santa Fe Chapter.  
 Instituto Internacional de Literatura Iberoamericana.  
 James F. Lincoln Arc Welding Foundation.  
 McGill University Library.  
 Mathematical Association of America.  
 Mountain States Telephone and Telegraph Company  
 National Book Foundation.  
 National Geographic Society  
 The Newcomen Society in North America  
 Newman Club. University of New Mexico.  
 The Pacific Telephone and Telegraph Company  
 St. Paul Lutheran Church. Albuquerque, New Mexico.  
 Sandia Corporation Library.  
 Santa Fe. Museum of New Mexico. Library.  
 Southwestern Bell Telephone Company.  
 Stromberg's.  
 Taos Chamber of Commerce.  
 Ungarisch-Deutscher Literarischer Dienst e V.  
 Woodrow Wilson Foundation  
 Yale University. Bureau of School and Community Service.

## Appendix F

## NOTABLE ACQUISITIONS

American School of Classical Studies at Athens. Corinth. v.1, v.3, pt. 1-2,  
 v.4, pt. 1-2, v.6, v.10.  
 Archiv der Mathematik. v. 1-10, 1948-58.  
 Asiatic Society, Calcutta. Journal. 3d ser. v. 1-9, v. 12, 15-22.  
 Croxall, Samuel, ed. A select collection of novels and histories. London,  
 J. Watts, 1729. 6 v.  
 Gentillet, Innocent. A discourse upon the meanes of wel governing ...  
 London, Adam Islip, 1608.  
 Hamilton, Augustus. The art workmanship of the Maori race. Dunedin, New  
 Zealand. Printed and published for the Board of Governors of the New  
 Zealand Institute by Ferguson & Mitchell, 1896-1900.  
 HARRISSE, Henry. Bibliotheca americana vetustissima ... and Sanz, C. Henry  
 HARRISSE (1429-1510) "Principe de los Americanistas." Madrid, V.  
 Suarez, 1958. 3 v.

- International Conference on Soil Mechanics and Foundation Engineering, 4th, Proceedings. London. Butterworths Scientific Publications, 1957. 3 v.
- International Congress of Entomology. 10th, Montreal, 1956. Proceedings. Ottawa, 1958. 4 v.
- Michel, Andre, ed. Histoire de l'art depuis les premiers temps chretiens jusqu'a nos jours. 8 v. in 17.
- Morazzoni, Giuseppe. Mobili veneziani laccati. Milano, L. Alfieri, 1954-57. 2 v.
- Oikos. Acta oecologica Scandinavica. Copenhagen, E. Munksgaard, 1949- v.1-9.
- Pius II, Pope. Aenae Sylvi Piccolominei ... opera quae extant omnia ... Basilae, Henricum Petri, 1551.
- Purcell, Henry. The works of Henry Purcell. Purcell Society. London, Novello, Ewer and Co. v.2, 27, 31. (to be completed as re-issued).
- Redon, Odilon. Oeuvre graphique complet. La Haye, G. J. Nieuwenhuizen Segaar. 1913. 2 v.
- Royal Asiatic Society of Great Britain and Ireland. Bombay Branch. Journal. New ser. v. 1-29 in 28 v.
- Salva y Perez, Vicente. Catalogo de la biblioteca de Salva, escrito por D. Pedro Salva y Mallen. Valencia Imp. de Ferrer de Ogra, 1872. 2 v.
- A select library of the Nicene and Post-Nicene Fathers of the Christian church. Grand Rapids, Mich., Wm. B. Eerdmans Publ. Co., 1956. 14 v.
- Sousa, Octavio Tarquinio de. Historia dos fundadores do imperio de Brasil. Rio de Janeiro, J. Olympio, 1957-58. 10 v.
- Southey, Robert. History of Brazil. (v.1, ed. 2; v.2-3, ed. 1) London, Longman, Hurst, Rees, Orme, and Brown, 1817-22. 3 v.
- Textiles of Pre-Inca from burying grounds in the collection of Kanegafuchi Spinning Company. Foreward by Itoji Muto. Tokyo, 1956. 10 portfolios.
- Vicens Vives, Jaime, ed. Historia social y economica de Espana y America. Barcelona, Editorial Teide, 1957. v. 1-4.
- Zoogeographica, internationales Archiv für vergleichende und kausale Tiergeographie. Jena, 1932/33-1942. Bd. 1-4, Heft. 2.

Substantial additions were made to the files of the following serials:

- Acta mathematica.
- The American Journal of philology.
- Biochemical journal.
- The Botanical gazette.
- Columbia University. Teachers College. Contributions to education.
- Ergebnisse der Mathematik und ihrer Grenzgebiete. Neue Folge.
- Die Grundlehren der mathematischen Wissenschaften in Einzeldarstellungen mit besonderer Berücksichtigung der Anwendungsgebiete.
- Harvard oriental series.
- Johns Hopkins University. Studies in education.
- Johns Hopkins University. Studies in geology.
- The Journal of Mississippi history.
- The Malone Society reprints.
- Mathematische Annalen.
- Musica Britannica.
- Pharmazeutische Zeitung.
- Recueil des travaux chimiques des Paysbas.
- The Review of economic studies.
- The sacred books of the East ... edited by F. Max Muller.
- Wyoming Geological Association. Guidebook ... annual field conference.

## Appendix G

## LIBRARY STAFF, SUMMER 1959

|   |                           |
|---|---------------------------|
| David Otis Kelley                               | University Librarian      |
| Helen Hefling                                   | Associate Librarian       |
| Harold Bellingham (Beginning Aug. 8, 1959)      | Cataloger                 |
| Harley C. Brooks, Jr. (Beginning Sept. 1, 1959) | Cataloger                 |
| Claudia Carter                                  | Asst. Acquisition Librn.  |
| Ronald De Waal                                  | Special Coll. Librarian   |
| Marjorie Dick (Beginning Sept. 1, 1959)         | Asst. Reference Librarian |
| 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       |
| Charles W. Warren                               | Circulation Librarian     |

\* \* \*

|                    |                              |
|--------------------|------------------------------|
| Carol Bloom        | Catalog Typist               |
| Frances E. Brennan | Assistant, Law Library       |
| Irene Coats        | Asst., Acquisition Dept.     |
| Irene Curnow       | Binding Assistant            |
| Joan Hyatt         | Asst., Circulation Dept.     |
| Sue Jorden         | Asst., Reference Dept.       |
| LaVera Kakoska     | Library Secretary            |
| Caroline Melling   | Assistant, Reference Dept.   |
| Clark Melling      | Assistant, Circulation Dept. |
| Lillie V. Pearson  | Serials Assistant            |
| Alice Seeds        | Asst., Circulation Dept.     |
| Claudette Stagner  | Asst., Catalog Dept.         |
| Peggy Sullivan     | Asst., Circulation Dept.     |
| (Vacant)           | Asst., Tech. Proc. Dept.     |

## Appendix H

## FACULTY LIBRARY COMMITTEE, 1958-59

Dr. Raymond N. Castle, Chairman  
 Dr. Harry W. Basehart  
 Dr. Lloyd R. Burley  
 Dr. J. Paul Fitzsimmons  
 Dr. B. LeRoy Gordon  
 Prof. Faith Jensen  
 Dr. Raymond R. MacCurdy  
 Dr. Jorg W. P. Mayer-Kalkschmidt  
 Dr. Arthur W. Mellor  
 Dr. Arie W. Poldervaart  
 Dr. Tom T. Sasaki  
 Prof. David Otis Kelley, ex officio

UNIVERSITY OF NEW MEXICO

# FINANCIAL REPORT

**For the Year Ended**

**June 30, 1959**

**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, 1959. It is believed that these fairly present the financial condition of the University of New Mexico on June 30, 1959, 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

Albuquerque, New Mexico  
December 1, 1959

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UNIVERSITY OF NEW MEXICO  
Consolidating Balance Sheet  
June 30, 1959

| <u>Assets</u>                                      | <u>Combined</u>         | <u>Current</u>    | <u>Restricted</u> | <u>Loan</u>      | <u>Fund</u><br><u>Endowment</u> | <u>Plant</u>         | <u>Agency</u>     |
|--|-------------------------|-------------------|-------------------|------------------|---------------------------------|----------------------|-------------------|
| <b>Cash:</b>                                       |                         |                   |                   |                  |                                 |                      |                   |
| On hand and on deposit                             | \$ 699,475.78           | 309,937.09        | 108,787.76        | 45,049.48        | 12,670.32                       | (212,151.94)         | 435,183.07        |
| Held by State Treasurer                            | 179,783.05              | -                 | -                 | -                | 179,783.05                      | -                    | -                 |
| Total cash   | <u>879,258.83</u>       | <u>309,937.09</u> | <u>108,787.76</u> | <u>45,049.48</u> | <u>192,453.37</u>               | <u>(212,151.94)</u>  | <u>435,183.07</u> |
| Accounts receivable and deposits, net              | 291,745.30              | 171,863.80        | -                 | -                | 15,000.00                       | -                    | 104,881.50        |
| Notes receivable                                   | 328,943.91              | -                 | -                 | 18,142.87        | -                               | 307,788.04           | 3,013.00          |
| Inventories  | 232,162.06              | 232,162.06        | -                 | -                | -                               | -                    | -                 |
| Prepaid expenses and deferred charges              | 77,536.31               | 77,536.31         | -                 | -                | -                               | -                    | -                 |
| Investments  | 4,854,630.28            | 9,151.25          | 577,973.27        | -                | 3,405,949.22                    | 843,326.00           | 18,230.54         |
| Investment in plant                                | <u>22,518,789.36</u>    | <u>-</u>          | <u>-</u>          | <u>-</u>         | <u>-</u>                        | <u>22,518,789.36</u> | <u>-</u>          |
|  | <u>\$ 29,183,066.05</u> | <u>800,650.51</u> | <u>686,761.03</u> | <u>63,192.35</u> | <u>3,613,402.59</u>             | <u>23,457,751.46</u> | <u>561,308.11</u> |
| <br><u>Liabilities, Surplus and Fund Principal</u> |                         |                   |                   |                  |                                 |                      |                   |
| Vouchers payable                                   | \$ 230,279.37           | 105,379.24        | -                 | -                | 97.00                           | 124,617.80           | 785.33            |
| Accounts payable and accrued liabilities           | 113,933.82              | 113,933.82        | -                 | -                | -                               | -                    | -                 |
| Deposits   | 17,692.07               | 17,692.07         | -                 | -                | -                               | -                    | -                 |
| Deferred income                                    | 466,032.10              | 189,782.10        | -                 | -                | -                               | 276,250.00           | -                 |
| Reserve for encumbrances                           | 102,905.44              | 15,392.52         | -                 | -                | -                               | 87,512.92            | -                 |
| Contracts payable                                  | 53,419.83               | -                 | -                 | -                | -                               | 53,419.83            | -                 |
| Bonds payable                                      | <u>10,639,000.00</u>    | <u>-</u>          | <u>-</u>          | <u>-</u>         | <u>-</u>                        | <u>10,639,000.00</u> | <u>-</u>          |
| Total liabilities                                  | <u>11,623,262.63</u>    | <u>442,179.75</u> | <u>-</u>          | <u>-</u>         | <u>97.00</u>                    | <u>11,180,200.55</u> | <u>785.33</u>     |
| Surplus and fund principal:                        |                         |                   |                   |                  |                                 |                      |                   |
| Unappropriated surplus                             | 109,924.33              | 109,924.33        | -                 | -                | -                               | -                    | -                 |
| Appropriated surplus                               | 248,546.43              | 248,546.43        | -                 | -                | -                               | -                    | -                 |
| Restricted surplus                                 | 686,761.03              | -                 | 686,761.03        | -                | -                               | -                    | -                 |
| Unexpended reserves                                | 1,070,473.97            | -                 | -                 | -                | 9,341.81                        | 1,061,132.16         | -                 |
| Fund principal                                     | <u>15,444,097.66</u>    | <u>-</u>          | <u>-</u>          | <u>63,192.35</u> | <u>3,603,963.78</u>             | <u>11,216,418.75</u> | <u>560,522.78</u> |
| Total surplus and fund principal                   | <u>17,559,803.42</u>    | <u>358,470.76</u> | <u>686,761.03</u> | <u>63,192.35</u> | <u>3,613,305.59</u>             | <u>12,277,550.91</u> | <u>560,522.78</u> |
| (Exhibit B)  |                         |                   |                   |                  |                                 |                      |                   |
|  | <u>\$ 29,183,066.05</u> | <u>800,650.51</u> | <u>686,761.03</u> | <u>63,192.35</u> | <u>3,613,402.59</u>             | <u>23,457,751.46</u> | <u>561,308.11</u> |

## UNIVERSITY OF NEW MEXICO

## Consolidating Statement of Surplus and Fund Principal

Year ended June 30, 1959

|  | Combined         | Eliminations | Current<br>(Schedule 6) | Restricted | Loan<br>(Schedule 7) | Fund<br>Endowment<br>(Schedule 8) | Plant<br>(Schedule 9) | Agency<br>(Schedule 10) |
|--|------------------|--------------|-------------------------|------------|----------------------|-----------------------------------|-----------------------|-------------------------|
| Balance at beginning of year:  |                  |              |                         |            |                      |                                   |                       |                         |
| Unappropriated surplus   | \$ 133,257.70    | -            | 133,257.70              | -          | -                    | -                                 | -                     | -                       |
| Appropriated surplus   | 163,740.53       | -            | 163,740.53              | -          | -                    | -                                 | -                     | -                       |
| Restricted surplus   | 646,757.64       | -            | -                       | 646,757.64 | -                    | -                                 | -                     | -                       |
| Unexpended reserves  | 278,153.21       | -            | -                       | -          | -                    | 6,271.75                          | 271,881.46            | -                       |
| Fund principal   | 13,037,356.47    | -            | -                       | -          | 28,598.60            | 3,030,693.55                      | 9,700,172.05          | 277,892.27              |
|  | 14,259,265.55    | -            | 296,998.23              | 646,757.64 | 28,598.60            | 3,036,965.30                      | 9,972,053.51          | 277,892.27              |
| Additions - net:   |                  |              |                         |            |                      |                                   |                       |                         |
| Revenues   | 10,331,647.92    | -            | 6,900,834.56            | -          | 32,946.75            | 579,917.50                        | 1,089,376.98          | 1,728,572.13            |
| Expenditures   | 7,770,238.60     | 435,087.93   | 6,770,026.19            | -          | 1,800.00             | 3,577.21                          | 18,549.24             | 1,411,373.89            |
| Excess of revenues over expenditures   | 2,561,409.32     | (435,087.93) | 130,808.37              | -          | 31,146.75            | 576,340.29                        | 1,070,827.74          | 317,198.24              |
| Transfers (to) from other funds  | -                | 26,492.73    | (113,258.64)            | 3.39       | 3,447.00             | -                                 | 170,868.71            | (34,567.73)             |
| Unexpended budget for Western Regional Program and uninsurable losses included in appropriated surplus | 5,140.22         | -            | 5,140.22                | -          | -                    | -                                 | -                     | -                       |
| Portion of group insurance dividend held as a reserve for decline of future dividends                  | 29,665.68        | -            | 29,665.68               | -          | -                    | -                                 | -                     | -                       |
| Restoration of prior years' reserve for bad debts  | 9,116.90         | -            | 9,116.90                | -          | -                    | -                                 | -                     | -                       |
| Appropriated from the Current Fund for retirement of bonds   | -                | 261,000.00   | -                       | -          | -                    | -                                 | 261,000.00            | -                       |
| Paid from the Current Fund for Sinking Fund requirements:  |                  |              |                         |            |                      |                                   |                       |                         |
| Charged against 1958-59 appropriations   | -                | 20,000.00    | -                       | 20,000.00  | -                    | -                                 | -                     | -                       |
| To be charged against 1959-60 appropriations   | 20,000.00        | -            | -                       | 20,000.00  | -                    | -                                 | -                     | -                       |
| Additions to plant from the Current Fund   | -                | 127,595.20   | -                       | -          | -                    | -                                 | 127,595.20            | -                       |
| Adjustment of equipment to physical inventory  | 675,205.75       | -            | -                       | -          | -                    | -                                 | 675,205.75            | -                       |
|  | 3,300,537.87     | -            | 61,472.53               | 40,003.39  | 34,593.75            | 576,340.29                        | 2,305,497.40          | 282,630.51              |
| Balance at end of year   | \$ 17,559,803.42 | -            | 358,470.76              | 686,761.03 | 63,192.35            | 3,613,305.59                      | 12,277,550.91         | 560,522.78              |
| Represented by:  |                  |              |                         |            |                      |                                   |                       |                         |
| Unappropriated surplus   | 109,924.33       | -            | 109,924.33              | -          | -                    | -                                 | -                     | -                       |
| Appropriated surplus   | 248,546.43       | -            | 248,546.43              | -          | -                    | -                                 | -                     | -                       |
| Restricted surplus   | 686,761.03       | -            | -                       | 686,761.03 | -                    | -                                 | -                     | -                       |
| Unexpended reserves  | 1,070,473.97     | -            | -                       | -          | -                    | 9,341.81                          | 1,061,132.16          | -                       |
| Fund principal   | 15,444,097.66    | -            | -                       | -          | 63,192.35            | 3,603,963.78                      | 11,216,418.75         | 560,522.78              |
| Total surplus and fund principal<br>(Exhibit A)  | \$ 17,559,803.42 | -            | 358,470.76              | 686,761.03 | 63,192.35            | 3,613,305.59                      | 12,277,550.91         | 560,522.78              |

## UNIVERSITY OF NEW MEXICO

## Investments

June 30, 1959

|  | <u>Interest rate</u> | <u>Amount</u>       |
|--|----------------------|---------------------|
| <b>Current Fund:</b>   |                      |                     |
| United States Certificates of Indebtedness,<br>due November 15, 1959 |                      | \$ <u>9,151.25</u>  |
| <b>Restricted Fund:</b>  |                      |                     |
| United States Savings bonds, Series F                                |                      | 155,955.00          |
| United States Savings bonds, Series J                                |                      | 60,840.00           |
| United States Treasury bonds, due February 15, 1965                  | 2.625%               | 40,205.00           |
| United States Treasury bonds, 1965-1970                              | 2.50%                | 109,598.58          |
| United States Treasury bonds, 1967-1972                              | 2.50%                | 186,990.31          |
| United States Treasury notes, due April 1962                         | 1.50%                | 24,384.38           |
| Total Restricted Fund  |                      | <u>577,973.27</u>   |
| <b>Endowment Fund:</b>   |                      |                     |
| Obligations of the United States:                                    |                      |                     |
| United States Defense bonds, Series G                                | 2.50%                | 368,508.83          |
| United States Savings bonds, Series G                                | 2.50%                | 12,429.72           |
| United States Treasury bonds, Series K                               | 2.76%                | 203,000.00          |
| United States Treasury bonds, 1969-1964                              | 2.50%                | 214,445.32          |
| United States Treasury bonds of 1961                                 | 2.75%                | 4,984.37            |
| United States Treasury bonds, 1965-1970                              | 2.50%                | 220,174.22          |
| United States Treasury bonds, 1966-1971                              | 2.50%                | 24,109.37           |
| United States Treasury bonds, 1967-1972                              | 2.50%                | 181,731.68          |
| United States Treasury bonds of 11-15-61                             | 2.50%                | 49,210.94           |
| United States Treasury bonds of 1978-1983                            | 3.25%                | 10,732.50           |
| United States Treasury bonds of 1960                                 | 3.50%                | 49,250.00           |
| United States Treasury bonds of 1964                                 | 3.00%                | 29,278.12           |
| United States Treasury bonds of 1965                                 | 2.58%                | 47,093.75           |
| United States Treasury bonds of 1966                                 | 3.00%                | 47,875.00           |
| United States Treasury bonds of 1995                                 | 3.00%                | 71,859.36           |
| United States Treasury bills   | 2.81% and 2.85%      | 98,286.42           |
|  |                      | <u>1,632,969.60</u> |
| <b>Bonds:</b>  |                      |                     |
| Bernalillo County, Albuquerque Municipal School District             | 2.75%                | 40,000.00           |
| Chaves County School District #1, Roswell                            | 2.00%                | 15,000.00           |
| City of Albuquerque, G. O. Storm Sewer bonds                         | 2.75%                | 50,000.00           |
| City of Albuquerque, G. O. Street Improvement bonds                  |                      | 9,595.03            |
| City of Albuquerque, Water bonds                                     | 2.75%                | 3,700.00            |
| City of Las Cruces, Sewer Improvement bonds                          | 2.50%                | 89,000.00           |
| City of Las Cruces, Water Improvement bonds                          | 2.50%                | 10,000.00           |
| City of Grants, Water Improvement bonds                              | 3.90%                | 95,000.00           |
| Curry County, School District #1                                     | 3.00%                | 40,000.00           |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Investments, Continued

|  | <u>Interest rate</u>                | <u>Amount</u>       |
|--|-------------------------------------|---------------------|
| Endowment Fund, continued:                                 |                                     |                     |
| Bonds, continued:  |                                     |                     |
| Dona Ana County, School District #2                        | 2.90%                               | \$ 40,000.00        |
| Dona Ana County, School District #12                       | 1.50%                               | 15,000.00           |
| Dona Ana County, School District #16, Gadsden Independent  | 2.50%                               | 20,000.00           |
| FHA Farm Ownership loans                                   | 3.50%                               | 223,069.98          |
| Hidalgo County, School District #1, Lordsburg Municipal    | 2.50%                               | 4,000.00            |
| Lea County, School District #16, Hobbs Municipal, Series A | 2.50%                               | 25,000.00           |
| Lea County, School District #19, Jal Municipal             | 3.50%                               | 50,000.00           |
| Lea County, School District #28, Tatum                     | 2.50%                               | 16,000.00           |
| Lincoln County, School District #3-35, Ruidoso Station     | 2.75%                               | 8,575.00            |
| Lincoln County, School District #7, Carrizozo              | 2.50%                               | 6,000.00            |
| Otero County, School District #1, Alamogordo               | 2.00%                               | 10,000.00           |
| Rio Arriba County, School District #17, Tierra Amarilla    | 3.00%                               | 8,500.00            |
| Sandoval County, School District #2, Sandoval              | 2.50%                               | 18,360.00           |
| San Miguel County, School District #2, 2A, 2B              | 2.50%, 2.75%,<br>3.00% and<br>3.25% | 36,000.00           |
| Santa Fe, Grant Counties, Town of Silver City              | 5.00%                               | 10,000.00           |
| Socorro County, School District #5, La Joya                | 2.25%                               | 2,000.00            |
| Soil and Water Conservation loans                          | 3.50%                               | 9,471.58            |
| Taos County, School District #1, Taos Municipal            | 3.20%                               | 22,716.00           |
| Town of Aztec, G. O. Water Improvement bonds               | 3.875%                              | 15,920.00           |
| Town of Aztec, Recreation Center bonds                     | 2.75%                               | 40,000.00           |
| Town of Farmington, G. O. Waterworks                       | 2.25%                               | 18,000.00           |
| Town of Farmington, G. O. Sanitary Sewer                   | 2.75%                               | 33,600.00           |
| Town of Gallup, Sewer Extension                            | 2.50% and 2.25%                     | 10,000.00           |
| Town of Gallup, Water System                               | 2.75%                               | 50,000.00           |
| Town of Hagerman, G. O. Sewer                              | 2.50%                               | 4,500.00            |
| Town of Vaughn, G. O. Waterworks                           | 2.75%                               | 25,000.00           |
| University of New Mexico:                                  |                                     |                     |
| Building and Improvement, Series E                         | 4.00%                               | 61,000.00           |
| Building and Improvement, Series I-R, Refunding            | 3.50%                               | 48,000.00           |
| Building and Improvement, Series J                         | 2.75%                               | 241,000.00          |
| Valencia County, School District #2-2A, Belen Consolidated | 2.90%                               | 44,000.00           |
| Village of Elida, Water, Series B                          | 2.00%                               | 9,000.00            |
| Village of Maxwell, Water                                  | 2.00%                               | 8,500.00            |
|  |                                     | <u>1,485,507.59</u> |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Investments, Continued

|   | <u>Interest rate</u> | <u>Amount</u>          |
|---|----------------------|------------------------|
| Endowment Fund, continued:  |                      |                        |
| Stocks:   |                      |                        |
| American Tobacco Company, common (80 shares)                          |                      | \$ 8,066.91            |
| The Boston Fund, Inc., common, \$1.00 par value (60 shares)           |                      | 1,598.31               |
| General Portland Cement Company, common, \$1.00 par value (96 shares) |                      | 2,490.00               |
| Inland Steel Company (200 shares)                                     |                      | 9,988.10               |
| Libbey Owens Ford Glass Company (100 shares)                          |                      | 7,146.10               |
| Lone Star Gas Company (100 shares)                                    |                      | 8,254.38               |
| Mesabi Iron Company, common, \$1.00 par value (2,129 shares)          |                      | 74,515.00              |
| Pacific Gas and Electric Company (300 shares)                         |                      | 17,998.01              |
| Scott Paper Company (200 shares)                                      |                      | 16,145.08              |
| Southern Pacific Railway Company (200 shares)                         |                      | 14,793.60              |
| Winn Dixie Stores, Inc. (200 shares)                                  |                      | 17,212.32              |
|   |                      | <u>178,207.81</u>      |
| Real estate mortgages:  |                      |                        |
| Daub, Guido H.  | 5.50%                | 9,643.04               |
| Dunbar, J. H.   | 6%                   | 5,142.80               |
| Jenson, Faith   | 6%                   | 14,009.80              |
| Kuntz, Joseph M.  | 6%                   | 6,034.15               |
| Schlegel, Don   | 6%                   | 6,488.01               |
| Smith, D. M.  | 6%                   | 22,166.37              |
|   |                      | <u>63,484.17</u>       |
| Investments in real estate:   |                      |                        |
| Boequet residence   |                      | 18,000.00              |
| Stein residence   |                      | 27,780.05              |
|   |                      | <u>45,780.05</u>       |
| Total Endowment Fund  |                      | <u>3,405,949.22</u>    |
| Plant Fund:   |                      |                        |
| United States Certificates of Indebtedness, due November 15, 1959     |                      | <u>843,326.00</u>      |
| Agency Fund:  |                      |                        |
| Stocks:   |                      |                        |
| Continental Oil Co., capital stock, \$5.00 par value (34 shares)      |                      | 973.38                 |
| United States Steel Corp., common, \$16-2/3 par value (10 shares)     |                      | 558.75                 |
| El Paso Natural Gas Co., common, \$3.00 par value (20 shares)         |                      | 517.50                 |
|   |                      | <u>2,049.63</u>        |
| Real estate mortgage - Poore, John                                    |                      | 16,180.91              |
| Total Agency Fund   |                      | <u>18,230.54</u>       |
| Total investments   |                      | \$ <u>4,854,630.28</u> |

(Continued)

Schedule 1. Cont.

## UNIVERSITY OF NEW MEXICO

Investments, Continued

|                 | Total                  | University        | Custodians          |                     |
|-----------------|------------------------|-------------------|---------------------|---------------------|
|                 | (Exhibit A)            | Comptroller       | Banks               | State<br>Treasurer  |
| Current Fund    | \$ 9,151.25            | -                 | 9,151.25            | -                   |
| Restricted Fund | 577,973.27             | -                 | 577,973.27          | -                   |
| Endowment Fund  | 3,405,949.22           | 195,934.44        | -                   | 3,210,014.78        |
| Plant Fund      | 843,326.00             | -                 | 843,326.00          | -                   |
| Agency Fund     | 18,230.54              | 18,230.54         | -                   | -                   |
|                 | <u>\$ 4,854,630.28</u> | <u>214,164.98</u> | <u>1,430,450.52</u> | <u>3,210,014.78</u> |



## UNIVERSITY OF NEW MEXICO

## Plant Fund

## Bonds Payable

June 30, 1959

| Issue   | Date<br>of issue | Interest rate                       | Original<br>issue | Outstanding<br>July 1, 1958 | Issued<br>current year | Retired<br>current year | Outstanding<br>June 30, 1959 |
|---|------------------|-------------------------------------|-------------------|-----------------------------|------------------------|-------------------------|------------------------------|
| Building and Improvement:                                     |                  |                                     |                   |                             |                        |                         |                              |
| Series E  | 10- 1-34         | 4%                                  | \$ -              | 70,000.00                   | -                      | 9,000.00                | 61,000.00                    |
| Series F  | 2- 1-36          | 4%                                  | -                 | 194,000.00                  | -                      | 22,000.00               | 172,000.00                   |
| Series I-R  | 8- 1-42          | 3-1/2%                              | 127,000.00        | 60,000.00                   | -                      | 12,000.00               | 48,000.00                    |
| Series J  | 6- 1-55          | 2-3/4%                              | 2,000,000.00      | 1,838,000.00                | -                      | 84,000.00               | 1,754,000.00                 |
| Total Building and Improvement<br>bonds                       |                  |                                     |                   | 2,162,000.00                | -                      | 127,000.00              | 2,035,000.00                 |
| Revenue:  |                  |                                     |                   |                             |                        |                         |                              |
| Dormitory A   | 4-15-40          | 3-1/4%                              | 44,000.00         | 10,000.00                   | -                      | 2,000.00                | 8,000.00                     |
| Dormitory B   | 4-15-40          | 3-1/4%                              | 44,000.00         | 10,000.00                   | -                      | 2,000.00                | 8,000.00                     |
| Dormitory C   | 4-15-40          | 3-1/4%                              | 22,000.00         | 5,000.00                    | -                      | 1,000.00                | 4,000.00                     |
| Water system  | 4-15-42          | 3-1/4%                              | 40,000.00         | 8,000.00                    | -                      | 2,000.00                | 6,000.00                     |
| General Buildings bonds of 1948                               | 10- 1-48         | 3-1/4, 3-1/2,<br>and 3-3/4%         | 2,200,000.00      | 1,925,000.00                | -                      | 60,000.00               | 1,865,000.00                 |
| Apartment revenue   | 7- 1-49          | 3.6%                                | 125,000.00        | 91,000.00                   | -                      | 6,000.00                | 85,000.00                    |
| Recreational Center Improvement Revenue<br>bonds, Series 1950 | 3- 1-50          | 2-3/4 and 3%                        | 170,000.00        | 134,000.00                  | -                      | 6,000.00                | 128,000.00                   |
| Building bonds, Series of 1951                                | 8- 1-51          | 3.9%                                | 1,600,000.00      | 1,490,000.00                | -                      | 35,000.00               | 1,455,000.00                 |
| Building bonds, Series of 1952                                | 1- 1-52          | 3.6%                                | 900,000.00        | 875,000.00                  | -                      | 15,000.00               | 860,000.00                   |
| Building bonds, Series of 1955                                | 1- 1-52          | 2, 2-1/2, 3, 3.1,<br>3.2 and 3-1/4% | 1,000,000.00      | 990,000.00                  | -                      | 5,000.00                | 985,000.00                   |
| Dormitory bonds, Series of 1957                               | 12- 1-57         | 3%                                  | 1,800,000.00      | -                           | 1,200,000.00           | -                       | 1,200,000.00                 |
| Student Union Building bonds, Series<br>of 1957               | 12- 1-57         | 3.4 and 5%                          | 3,000,000.00      | 1,000,000.00                | 1,000,000.00           | -                       | 2,000,000.00                 |
| Total Revenue bonds   |                  |                                     |                   | 6,538,000.00                | 2,200,000.00           | 134,000.00              | 8,604,000.00                 |
| Total (Exhibit A)   |                  |                                     |                   | \$ 8,700,000.00             | 2,200,000.00           | 261,000.00              | 10,639,000.00                |

## UNIVERSITY OF NEW MEXICO

## Endowment Fund

## Revenues, Expenditures and Principal

Year ended June 30, 1959

|                                  | Balance<br>July 1, 1958 | Revenues        | Expendi-<br>tures | Transfers<br>to(from) | Balance<br>June 30, 1959 |
|----------------------------------|-------------------------|-----------------|-------------------|-----------------------|--------------------------|
| Unexpended reserves:             |                         |                 |                   |                       |                          |
| Reserved for scholarships        | \$ 4,211.50             | 6,364.17        | 3,577.21          | 155.88                | 7,154.34                 |
| Reserved for leases              | 2,060.25                | 223.10          | -                 | (95.88)               | 2,187.47                 |
|                                  | <u>6,271.75</u>         | <u>6,587.27</u> | <u>3,577.21</u>   | <u>60.00</u>          | <u>9,341.81</u>          |
| Fund principals:                 |                         |                 |                   |                       |                          |
| Alpha Phi Omega                  | 500.00                  | -               | -                 | -                     | 500.00                   |
| Ballut Abyad                     | -                       | 2,500.00        | -                 | -                     | 2,500.00                 |
| Clayton Barber Memorial Fund     | 3,340.40                | -               | -                 | -                     | 3,340.40                 |
| Philo E. Bennett                 | 1,200.00                | -               | -                 | -                     | 1,200.00                 |
| C. M. Botts Memorial             | 5,000.00                | -               | -                 | -                     | 5,000.00                 |
| George F. Breece                 | 700.00                  | -               | -                 | -                     | 700.00                   |
| Caroline J. Carson Memorial      | 20,415.80               | -               | -                 | -                     | 20,415.80                |
| Charles F. Coan                  | 311.00                  | -               | -                 | -                     | 311.00                   |
| Marion Coons Kindness Award      | 750.00                  | -               | -                 | -                     | 750.00                   |
| Harry L. Daugherty               | 219.00                  | -               | -                 | -                     | 219.00                   |
| Lou Beverly Dawson Memorial Fund | 3,000.00                | -               | -                 | -                     | 3,000.00                 |
| Dazzo Scholarship Fund           | 5,000.00                | -               | -                 | -                     | 5,000.00                 |
| James M. Doolittle               | 1,000.00                | -               | -                 | -                     | 1,000.00                 |
| Chester T. French                | 500.00                  | -               | -                 | -                     | 500.00                   |
| Gausewitz Memorial               | 60.00                   | -               | -                 | (60.00)               | -                        |
| Gibson Memorial                  | 1,486.86                | 17.25           | -                 | -                     | 1,504.11                 |
| Carl Grabo Memorial              | 2,845.00                | -               | -                 | -                     | 2,845.00                 |
| W. G. Grisso Memorial            | 6,404.50                | 1,785.42        | -                 | -                     | 8,189.92                 |
| Alfred Grunsfeld Memorial        | 5,000.00                | -               | -                 | -                     | 5,000.00                 |
| Miriam Grunsfeld Memorial        | 5,000.00                | -               | -                 | -                     | 5,000.00                 |
| Telfair Hendon, Jr., Memorial    | 490.00                  | -               | -                 | -                     | 490.00                   |
| Hoshour Memorial Fund            | 1,887.00                | 25.00           | -                 | -                     | 1,912.00                 |
| Daniel Jackling Fund             | -                       | 74,577.30       | -                 | -                     | 74,577.30                |
| Frederick and Christina Kent     | 5,000.00                | -               | -                 | -                     | 5,000.00                 |
| D. H. Lawrence Fund              | -                       | 6,597.44        | -                 | -                     | 6,597.44                 |
| Joseph W. Meek                   | 500.00                  | -               | -                 | -                     | 500.00                   |
| Milne Scholarship Fund           | 5,431.18                | 150.05          | -                 | -                     | 5,581.23                 |
| Abraham Lincoln Mitchell Fund    | 4,000.00                | 125.00          | -                 | -                     | 4,125.00                 |
| Julius Rolshoven Fund            | 15,000.00               | -               | -                 | -                     | 15,000.00                |
| Rose Rudin Rocca Prize           | 1,000.00                | -               | -                 | -                     | 1,000.00                 |
| George St. Clair                 | 542.00                  | -               | -                 | -                     | 542.00                   |
| Albert C. Simms Scholarship Fund | 1,005.00                | -               | -                 | -                     | 1,005.00                 |
| Katherine M. Simms Memorial      | 1,000.00                | -               | -                 | -                     | 1,000.00                 |
| Max Smiglow Memorial             | 5,000.00                | -               | -                 | -                     | 5,000.00                 |
| Lena M. Todd Memorial            | <u>1,860.75</u>         | -               | -                 | -                     | <u>1,860.75</u>          |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Endowment Fund

Revenues, Expenditures and Principal, Continued

|                                 | Balance<br>July 1, 1958 | Revenues          | Expendi-<br>tures | Transfers<br>to(from) | Balance<br>June 30, 1959 |
|---------------------------------|-------------------------|-------------------|-------------------|-----------------------|--------------------------|
| Fund principals, continued:     |                         |                   |                   |                       |                          |
| Ellen E. Williams Weil Memorial | \$ -                    | 18,000.00         | -                 | -                     | 18,000.00                |
| Thomas Wilkerson Memorial       | 5,000.00                | -                 | -                 | -                     | 5,000.00                 |
| University Permanent Land Funds | 2,888,545.76            | 468,406.01        | -                 | -                     | 3,356,951.77             |
| University Saline Land Funds    | 31,699.30               | 1,146.76          | -                 | -                     | 32,846.06                |
|                                 | <u>3,030,693.55</u>     | <u>573,330.23</u> | <u>-</u>          | <u>(60.00)</u>        | <u>3,603,963.78</u>      |
| Total (Exhibit B)               | \$ <u>3,036,965.30</u>  | <u>579,917.50</u> | <u>3,577.21</u>   | <u>-</u>              | <u>3,613,305.59</u>      |

## UNIVERSITY OF NEW MEXICO

## Loan Fund

## Revenues, Expenditures and Principal

Year ended June 30, 1959

|   | Balance<br>July 1,<br>1958 | Revenues            | Expenditures    | Transfers<br>to (from) | Balance<br>June 30,<br>1959 |
|---|----------------------------|---------------------|-----------------|------------------------|-----------------------------|
| State Bar Student Loans                   | \$ 7,555.36                | 305.50              | -               | -                      | 7,860.86                    |
| Sandia Fund                               | 6,139.66                   | 1,000.00            | 1,800.00        | -                      | 5,339.66                    |
| A. and L. Rosenbaum Loan Fund             | 4,786.50                   | 80.02               | -               | -                      | 4,866.52                    |
| Rotary Club Loan Fund                     | 2,401.81                   | 37.34               | -               | -                      | 2,439.15                    |
| G. Perry Steen Memorial Student Loan Fund | 2,396.70                   | 41.25               | -               | -                      | 2,437.95                    |
| Kiwanis Student Loan Fund                 | 1,643.68                   | 56.94               | -               | -                      | 1,700.62                    |
| Student and Alumni Loan Fund              | 1,316.62                   | 125.20              | -               | -                      | 1,441.82                    |
| Wilkinson Foreign Travel Loan Fund        | 1,001.00                   | -                   | -               | -                      | 1,001.00                    |
| Rodey Memorial Loan Fund                  | 814.11                     | -                   | -               | -                      | 814.11                      |
| Altrusa Club Loan Fund                    | 318.43                     | -                   | -               | -                      | 318.43                      |
| Phrateres Loan Fund                       | 112.73                     | -                   | -               | -                      | 112.73                      |
| Memorial Loan Fund                        | 112.00                     | -                   | -               | -                      | 112.00                      |
| National Defense Student Loan Fund        | -                          | 31,021.00           | -               | 3,447.00               | 34,468.00                   |
| Lois and Harry Bruch Memorial Loan Fund   | -                          | 279.50              | -               | -                      | 279.50                      |
| Total (Exhibit B)                         | \$ <u>28,598.60</u>        | <u>32,946.75</u>    | <u>1,800.00</u> | <u>3,447.00</u>        | <u>63,192.35</u>            |
| Detail of revenues:                       |                            |                     |                 |                        |                             |
| Contributions                             |                            | 32,273.00           |                 |                        |                             |
| Interest earned                           |                            | 603.75              |                 |                        |                             |
| Bad debt recoveries                       |                            | 70.00               |                 |                        |                             |
|   |                            | <u>\$ 32,946.75</u> |                 |                        |                             |

## Schedule 5

## UNIVERSITY OF NEW MEXICO

## Agency Fund

## Revenues, Expenditures and Principal

Year ended June 30, 1959

|  | Balance<br>July 1,<br>1958 | Revenues   | Expenditures | Transfers<br>to(from) | Balance<br>June 30,<br>1959 |
|--|----------------------------|------------|--------------|-----------------------|-----------------------------|
| Accounting conference (New Mexico Society of Certified Public Accountants) | \$ 331.02                  | -          | -            | -                     | 331.02                      |
| Aesthetics Institute   | -                          | 353.00     | 667.15       | -                     | (314.15)                    |
| Agency overhead  | -                          | 77,543.56  | 682.44       | (76,861.12)           | -                           |
| Air Force Cambridge Research Center  | (300.00)                   | 13,234.49  | 12,937.79    | -                     | (3.30)                      |
| Air Force flight training  | 36.44                      | -          | -            | (36.44)               | -                           |
| Air Force - Maclay and Newman  | -                          | -          | 436.35       | -                     | (436.35)                    |
| Air Force Office of Scientific Research                                    | (1,052.06)                 | 23,630.58  | 22,787.24    | -                     | (208.72)                    |
| Air Force - Psychology department  | -                          | 8,575.01   | 7,733.06     | (841.95)              | -                           |
| Air Force R.O.T.C. basic uniforms  | -                          | 5,548.60   | 7,466.99     | 2,201.19              | 280.80                      |
| Air Force R.O.T.C. fees  | 447.14                     | 1,099.50   | 1,177.30     | -                     | 369.34                      |
| Air Force R.O.T.C. miscellaneous   | 2,201.19                   | 151.90     | 130.66       | (2,201.19)            | 21.24                       |
| Albuquerque Journal Scholarship Fund                                       | -                          | 1,000.00   | 483.81       | -                     | 516.19                      |
| Albuquerque Open, Inc.   | 3,625.26                   | -          | -            | -                     | 3,625.26                    |
| Alumni Association - War Memorial Chapel                                   | 65,717.93                  | 1,806.93   | 3,750.00     | -                     | 63,774.86                   |
| Alumni Association - Zimmerman Memorial                                    | -                          | 2,161.00   | -            | -                     | 2,161.00                    |
| Alumni Savings Fund  | 1,980.50                   | 325.00     | -            | -                     | 2,305.50                    |
| Anthropology Field Work Grant  | 25.00                      | -          | -            | -                     | 25.00                       |
| Architectural Trip Fund  | -                          | 1,901.00   | 1,901.00     | -                     | -                           |
| Art Scholarship Fund   | 56.10                      | 132.35     | -            | -                     | 188.45                      |
| Associated Students  | 7,466.67                   | 215,514.27 | 193,529.91   | -                     | 29,451.03                   |
| Associated Students Bookstore  | (4,508.69)                 | 337,471.54 | 299,595.84   | -                     | 33,367.01                   |
| Athletic equipment   | 1,948.46                   | 7,002.47   | 11,064.60    | 2,113.67              | -                           |
| Athletic Program Fund  | -                          | 10,867.12  | 17,042.11    | 6,174.99              | -                           |
| Atomic Energy Commission physics equipment                                 | 3,346.80                   | -          | 2,307.62     | -                     | 1,039.18                    |
| Atomic Energy Commission   | -                          | -          | 1,275.68     | -                     | (1,275.68)                  |
| Balloon Ozone - Physics  | 1,131.26                   | -          | 830.51       | (300.75)              | -                           |
| Behavioral Science Conference - Sociology department                       | (432.43)                   | 53,282.70  | 52,850.27    | -                     | -                           |
| Betty Hall Memorial  | 316.93                     | -          | -            | -                     | 316.93                      |
| Biology field trips  | 50.00                      | -          | 35.00        | -                     | 15.00                       |
| Bureau of Business Research  | 4,585.83                   | 3,156.05   | 2,468.26     | -                     | 5,275.67                    |
| Business History Foundation  | 768.05                     | -          | 617.00       | -                     | 151.05                      |
| Business Office Welfare Fund   | 15.37                      | 43.15      | 54.53        | -                     | 3.99                        |
| Campus parking   | 956.52                     | 3,435.39   | 3,302.44     | -                     | 1,089.47                    |
| Campus visitors  | -                          | 360.50     | 3,741.75     | 3,381.25              | -                           |
| Chi Epsilon  | 353.02                     | 700.00     | 386.29       | -                     | 666.73                      |
| Club Maintenance   | 606.24                     | 601.55     | 357.20       | -                     | 850.59                      |
| Dance workshop   | -                          | 219.54     | -            | -                     | 219.54                      |

(continued)

## UNIVERSITY OF NEW MEXICO

Schedule 5, Cont.

## Agency Fund

## Revenues, Expenditures and Principal, Continued

|  | Balance<br>July 1,<br>1958 | Revenues  | Expenditures | Transfers<br>to(from) | Balance<br>June 30,<br>1959 |
|--|----------------------------|-----------|--------------|-----------------------|-----------------------------|
| Degan Estate   | \$ 1,276.49                | -         | 81.63        | -                     | 1,194.86                    |
| Department of the Army - Electrical Engineers          | -                          | -         | 230.16       | -                     | (230.16)                    |
| Director of Research                                   | -                          | -         | 21,886.99    | 21,886.99             | -                           |
| Drama Fund   | 3,600.00                   | -         | 2,662.24     | -                     | 937.76                      |
| Drawing equipment rental                               | -                          | 253.00    | 307.91       | -                     | (54.91)                     |
| Dry Cleaning Board                                     | 404.43                     | -         | -            | -                     | 404.43                      |
| Eastman Kodak Fellowship Fund                          | -                          | 3,240.00  | -            | -                     | 3,240.00                    |
| Educational Guidance Service                           | 187.83                     | 3,046.00  | 1,734.67     | -                     | 1,499.16                    |
| Edwin B. Swope Memorial Collection (library books)     | 80.00                      | -         | -            | -                     | 80.00                       |
| Electrical Engineering equipment                       | 749.93                     | 180.00    | 160.78       | -                     | 769.15                      |
| Electrical Engineering Graduate Colloquium             | 4.50                       | 23.11     | 20.72        | -                     | 6.89                        |
| Eli Lilly Grant - Chemistry                            | 1,534.35                   | -         | 1,453.95     | -                     | 80.40                       |
| Eli Lilly Grant - Pharmacy                             | 2,350.33                   | -         | 2,029.41     | -                     | 320.92                      |
| Elks Fellowship Fund                                   | 1,250.00                   | 250.00    | 1,500.00     | -                     | -                           |
| Engineering equipment                                  | (294.01)                   | 500.00    | 503.50       | -                     | (297.51)                    |
| Ernie Fyle Memorial                                    | 4.99                       | -         | -            | -                     | 4.99                        |
| Extension Division - Institute Funds                   | -                          | 14,772.88 | 12,666.29    | (2,106.59)            | -                           |
| Faculty Flower Fund                                    | 27.52                      | 7.50      | 38.65        | -                     | (3.63)                      |
| Ford Experiment  | 40.82                      | -         | -            | -                     | 40.82                       |
| Ford Foundation  | 17,606.76                  | -         | -            | -                     | 17,606.76                   |
| Ford Foundation, press                                 | 10,800.00                  | 5,400.00  | 2,000.00     | -                     | 14,200.00                   |
| Fund for Advancement of Adult Education - TV equipment | (34,943.48)                | 36,224.51 | 4,587.88     | 3,306.85              | -                           |
| Fund for Advancement of Education - TV program         | 15,118.10                  | 54,210.00 | 37,560.91    | (3,837.20)            | 27,929.99                   |
| General scholarships                                   | 15,492.70                  | 22,386.98 | 23,923.55    | -                     | 13,956.13                   |
| Historical Publications Fund                           | 1,250.00                   | -         | -            | -                     | 1,250.00                    |
| Hokona Dormitory damages                               | -                          | 800.07    | -            | (800.07)              | -                           |
| Holloman Air Force Base                                | -                          | -         | 1,948.05     | -                     | (1,948.05)                  |
| Human ecology  | 4,400.00                   | -         | 4,400.00     | -                     | -                           |
| I.I.E. - Hungarian Student Fund                        | 1,052.38                   | -         | 1,052.38     | -                     | -                           |
| Ibero American Studies                                 | -                          | -         | 398.19       | -                     | (398.19)                    |
| Indian education                                       | 5,515.93                   | 21,473.00 | 19,691.88    | -                     | 7,297.05                    |
| Instructors Travel Fund                                | -                          | 250.00    | -            | -                     | 250.00                      |
| Inter-American Affairs                                 | 636.12                     | -         | 800.00       | -                     | (163.88)                    |
| Intercultural workshop                                 | 31.37                      | 448.63    | -            | -                     | 480.00                      |
| International Geophysical Year - Physics department    | 9,134.30                   | 3,600.00  | 7,570.54     | -                     | 5,163.76                    |
| Jicarilla Apache Tribe                                 | -                          | 7,468.28  | 7,546.82     | -                     | (78.54)                     |
| Jicarilla Tribe  | -                          | 3,936.66  | 4,238.96     | -                     | (302.30)                    |
| Law Library Fund                                       | 659.84                     | 1,109.01  | 5,264.31     | 10,000.00             | 6,504.54                    |
| Library Photo-Lab                                      | -                          | 247.90    | -            | -                     | 247.90                      |
| Los Alamos Special - Physics department                | -                          | 2,880.12  | 2,912.47     | -                     | (32.35)                     |
| Mesa Vista Dormitory damages                           | -                          | 1,583.55  | 374.35       | (1,209.20)            | -                           |
| Mescalero Apache Business Committee                    | -                          | -         | 1.25         | 1.25                  | -                           |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Agency Fund

## Revenues, Expenditures and Principal, Continued

|   | Balance<br>July 1,<br>1958 | Revenues  | Expenditures | Transfers<br>to(from) | Balance<br>June 30,<br>1959 |
|---|----------------------------|-----------|--------------|-----------------------|-----------------------------|
| Mescalero Land Claims   | \$ (3,879.29)              | 8,218.00  | 5,548.70     | -                     | (1,209.99)                  |
| Miscellaneous Research  | -                          | -         | 7,842.38     | 7,842.38              | -                           |
| Moot Court - College of Law   | 33.50                      | -         | -            | -                     | 33.50                       |
| Music Performance Awards  | 719.50                     | 947.50    | 744.50       | -                     | 922.50                      |
| NONR - Electrical Engineering department - Radio communications         | -                          | 2,388.50  | 2,393.00     | -                     | (4.50)                      |
| National Aluminate Chemistry Fellowship                                 | 1,830.10                   | -         | 1,511.75     | -                     | 318.35                      |
| National Institute of Health - Anthropology department                  | -                          | 2,076.00  | 585.60       | -                     | 1,490.40                    |
| National Institute of Health - Biology department                       | 8.36                       | -         | 8.36         | -                     | -                           |
| National Institute of Health - Pharmacy department                      | 4,198.39                   | 11,495.00 | 5,623.48     | -                     | 10,069.91                   |
| National Institute of Health  | -                          | 37,594.00 | 2,830.62     | -                     | 34,763.38                   |
| National Institute of Health  | -                          | 4,255.00  | 1,201.80     | -                     | 3,053.20                    |
| National Science Foundation - Biology department                        | 3,962.51                   | 1,400.00  | 5,490.28     | -                     | (127.77)                    |
| National Science Foundation - Biology department                        | 3,031.21                   | 1,400.00  | 2,516.38     | -                     | 1,914.83                    |
| National Science Foundation - Bolivia Claud Chamber                     | 8,393.98                   | -         | 5,414.97     | -                     | 2,979.01                    |
| National Science Foundation - Cosmic ray variations                     | -                          | 14,000.00 | 17,578.65    | -                     | (3,578.65)                  |
| National Science Foundation - Electrical Engineering                    | 2,727.66                   | -         | 2,248.39     | -                     | 479.27                      |
| National Science Foundation - Graduate Fellow Scholarship               | -                          | 3,073.80  | 332.00       | -                     | 2,741.80                    |
| National Science Foundation - Psychology department                     | 2,261.94                   | 4,500.00  | 7,603.89     | 841.95                | -                           |
| National Science Foundation - Summer Institute for High School Teachers | -                          | 17,630.00 | 4,835.91     | -                     | 12,794.09                   |
| National Science Foundation   | 10,214.91                  | 13,500.00 | 9,654.42     | -                     | 14,060.49                   |
| National Science Foundation   | 2,600.00                   | -         | 2,217.24     | -                     | 382.76                      |
| National Science Foundation   | 1,000.00                   | 4,720.00  | 2,960.74     | -                     | 2,759.26                    |
| National Science Foundation   | 608.97                     | -         | 26.75        | -                     | 582.22                      |
| National Science Foundation   | -                          | 62,400.00 | 19,848.03    | -                     | 42,551.97                   |
| National Science Foundation   | -                          | 54,600.00 | 5,837.11     | -                     | 48,762.89                   |
| National Science Foundation   | -                          | 22,900.00 | 502.00       | -                     | 22,398.00                   |
| National Science Foundation   | -                          | 16,300.00 | 7,098.90     | -                     | 9,201.10                    |
| National Science Foundation   | -                          | 5,500.00  | -            | -                     | 5,500.00                    |
| Naval Ordinance Test Station  | (111.70)                   | 27,357.79 | 27,276.10    | -                     | (30.01)                     |
| Naval Research - Electrical Engineering department                      | (22.35)                    | 7,891.03  | 8,004.81     | 136.13                | -                           |
| Naval Research  | -                          | 5,770.41  | 5,770.41     | -                     | -                           |
| New Mexico Scholarship Fund   | 18,110.43                  | 21,254.75 | 18,335.43    | -                     | 21,029.75                   |
| New Mexico School Boards Association                                    | -                          | 55.38     | 56.63        | 1.25                  | -                           |
| New Mexico State Highway Commission                                     | -                          | 2,619.29  | 2,625.54     | -                     | (6.25)                      |
| North Central State Committee   | -                          | 903.00    | 791.39       | -                     | 111.61                      |
| Opera workshop  | 728.68                     | 950.25    | 811.12       | -                     | 867.81                      |
| Opium Den - Electrical Engineers  | -                          | 10,236.38 | 10,137.08    | -                     | 99.30                       |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Agency Fund

## Revenues, Expenditures and Principal, Continued

|   | Balance<br>July 1,<br>1958 | Revenues  | Expenditures | Transfers<br>to(from) | Balance<br>June 30,<br>1959 |
|---|----------------------------|-----------|--------------|-----------------------|-----------------------------|
| Ozone Sonde - United States Weather Bureau                                    | \$ (780.50)                | -         | 1,457.97     | -                     | (2,238.47)                  |
| Ozone Sonde #2 - United States Weather Bureau                                 | -                          | -         | 2,121.15     | -                     | (2,121.15)                  |
| Pack Forestry Foundation  | -                          | 35,000.00 | 13,201.63    | -                     | 21,798.37                   |
| Pharmacy Activities Fund  | 509.20                     | 540.00    | 560.17       | -                     | 489.03                      |
| Pharmacy inspection trip  | 1,305.00                   | 676.40    | 656.40       | -                     | 1,325.00                    |
| Pharmacy Scholarship Fund   | 9,779.33                   | 1,676.71  | 2,560.00     | -                     | 8,896.04                    |
| Physical Education Activities Fund  | -                          | -         | 462.65       | 462.65                | -                           |
| Physics Air Force balloon   | (3,827.07)                 | 28,884.57 | 25,037.50    | -                     | -                           |
| Research Assistantship  | -                          | 1,600.00  | 1,600.00     | -                     | -                           |
| Research Corporation Grant - Physics department                               | 6,604.37                   | -         | 5,517.50     | -                     | 1,086.87                    |
| Research Corporation  | -                          | 6,400.00  | 9,312.18     | -                     | (2,912.18)                  |
| Research and Study Committee  | -                          | 1,500.00  | -            | -                     | 1,500.00                    |
| Resources for the Future  | 10,671.58                  | -         | 10,189.75    | -                     | 481.83                      |
| Riding commissions  | 71.00                      | 101.00    | 146.00       | -                     | 26.00                       |
| Rosenbaum Fund for Gifted Students  | -                          | -         | 4,046.00     | 4,046.00              | -                           |
| Sandia Corporation - Chemistry department                                     | -                          | -         | 225.00       | -                     | (225.00)                    |
| Sandia Corporation - Electrical Engineering department,<br>black box          | 25.07                      | 8,150.64  | 8,175.71     | -                     | -                           |
| Sandia Corporation - Electrical Engineering department,<br>Iodine Ant-Monicle | -                          | 10,897.27 | 10,901.47    | -                     | (4.20)                      |
| Sandia Corporation - Electrical Engineering department,<br>Signal properties  | -                          | 3,393.55  | 3,393.55     | -                     | -                           |
| Sandia Corporation - Electrical Engineering department,<br>Terrain Return     | (719.66)                   | 151.84    | (567.82)     | -                     | -                           |
| Sandia Corporation - Electrical Engineering department                        | (44.85)                    | 2,769.84  | 2,763.77     | 38.78                 | -                           |
| Sandia Corporation - Electrical Engineering department                        | -                          | 7,753.91  | 7,753.91     | -                     | -                           |
| Sandia Corporation - Electrical properties of<br>nonconducting metals         | -                          | 2,469.26  | 2,569.89     | -                     | (100.63)                    |
| Sandia Corporation - Energy transfer  | -                          | 8,610.17  | 8,622.37     | -                     | (12.20)                     |
| Sandia Corporation - Math department  | -                          | 1,345.50  | 1,345.50     | -                     | -                           |
| Sandia Corporation - Mechanical Engineering department,<br>Thermal stress     | -                          | 1,016.84  | 1,021.46     | -                     | (4.62)                      |
| Sandia Corporation - Mechanical Engineering department,<br>Wind tunnel        | -                          | 3,655.70  | 3,657.19     | -                     | (1.49)                      |
| Sandia Corporation - Musket Research  | -                          | 2,907.37  | 2,931.21     | -                     | (23.84)                     |
| Sandia Corporation - Psychology department                                    | -                          | 2,224.44  | 2,208.27     | -                     | 16.17                       |
| Sandia Corporation - Physics department                                       | -                          | 597.93    | 597.93       | -                     | -                           |
| Sandia Corporation  | -                          | 2,378.47  | 2,378.47     | -                     | -                           |
| Sandia Corporation  | -                          | -         | 245.83       | -                     | (245.83)                    |

(Continued)



Schedule 5, Cont.

## UNIVERSITY OF NEW MEXICO

## Agency Fund

## Revenues, Expenditures and Principal, Continued

|  | Balance<br>July 1,<br>1958 | Revenues     | Expenditures | Transfers<br>to(from) | Balance<br>June 30,<br>1959 |
|--|----------------------------|--------------|--------------|-----------------------|-----------------------------|
| Senate Committee on Foreign Relations                              | \$ -                       | 3,161.00     | 3,161.00     | -                     | -                           |
| Sigma XI   | 141.35                     | 705.71       | 497.06       | -                     | 350.00                      |
| Simms Memorial Lecture Fund  | -                          | 1,000.00     | 1,000.00     | -                     | -                           |
| Smith, Kline and French  | 90.53                      | -            | 90.53        | -                     | -                           |
| Smith, Kline and French Post Doctoral Grant                        | 5,900.33                   | 7,500.00     | 6,677.95     | -                     | 6,722.38                    |
| Spotter Numerals   | -                          | 20.00        | 260.57       | 240.57                | -                           |
| Student Union  | 10,902.14                  | 129,078.95   | 131,147.53   | -                     | 8,833.56                    |
| Summer Institute for Science Teachers                              | 12,508.83                  | 42,475.00    | 42,916.69    | -                     | 12,067.14                   |
| Surface ozone - Physics  | -                          | 69.85        | 1,435.46     | -                     | (1,365.61)                  |
| Surveying equipment rental   | (955.32)                   | 1,663.05     | 2,100.75     | -                     | (1,393.02)                  |
| T. M. Pepperday Memorial Fund                                      | -                          | 10,000.00    | -            | (10,000.00)           | -                           |
| Television Special Equipment Fund                                  | 10,000.00                  | -            | 7,737.26     | -                     | 2,262.74                    |
| The Asia Foundation Grant  | -                          | 552.50       | 215.00       | -                     | 337.50                      |
| Thomas S. Bell Fund  | 288.93                     | -            | 110.47       | -                     | 178.46                      |
| Tutoring (New Mexico Club)   | 307.50                     | 500.00       | 291.50       | -                     | 516.00                      |
| Twenty-One Club  | 2.70                       | 254.90       | 243.10       | -                     | 14.50                       |
| University Chorus  | 435.26                     | 2,115.50     | 1,277.40     | -                     | 1,273.36                    |
| University Orchestra   | (55.91)                    | 791.00       | 397.90       | -                     | 337.19                      |
| University of California - Chemistry department                    | (255.94)                   | 14,767.97    | 14,535.39    | -                     | (23.36)                     |
| University of California - Mechanical Engineering department       | (49.71)                    | 16,846.90    | 16,800.64    | -                     | (3.45)                      |
| University of New Mexico Historical Fund                           | 6,506.30                   | 268.30       | .90          | -                     | 6,773.70                    |
| United States Army Los Angeles Ordinance District                  | (184.86)                   | 10,092.64    | 9,907.78     | -                     | -                           |
| United States Department of Education - Spanish Teachers Institute | -                          | 11,000.00    | 2,316.75     | -                     | 8,683.25                    |
| United States Public Health Service                                | -                          | -            | 194.88       | -                     | (194.88)                    |
| Vending Machines Scholarship Fund                                  | 2,646.49                   | 2,055.38     | 2.30         | -                     | 4,699.57                    |
| Walter Sullivan Memorial   | 45.43                      | 75.00        | 43.65        | -                     | 76.78                       |
| White Sands - Electrical Engineering department                    | (196.85)                   | 15,460.59    | 15,289.34    | -                     | (25.60)                     |
| William Tucker Golf Tournament                                     | -                          | 1,255.00     | 2,205.88     | 950.88                | -                           |
| Woodrow Wilson Lecture Fund  | -                          | 4,000.00     | -            | -                     | 4,000.00                    |
| Total (Exhibit B)  | \$ 277,892.27              | 1,728,572.13 | 1,411,373.89 | (34,567.73)           | 560,522.78                  |

## UNIVERSITY OF NEW MEXICO

## Current Fund

## Revenues, Expenditures and Surplus

Year ended June 30, 1959  
with comparative figures for 1958

| Revenues  | Year ended          |                     | Increase<br>(Decrease) |
|---|---------------------|---------------------|------------------------|
|   | June 30,<br>1959    | 1958                |                        |
| Educational and general:                                  |                     |                     |                        |
| Student fees:   |                     |                     |                        |
| Tuition   | \$ 1,030,740.15     | 788,683.90          | 242,056.25             |
| Correspondence classes                                    | 14,657.85           | 12,353.40           | 2,304.45               |
| Extension classes   | 8,409.00            | 26,269.00           | (17,860.00)            |
| Los Alamos classes  | 32,688.45           | 24,819.28           | 7,869.17               |
| Holloman classes  | 6,312.00            | 5,496.50            | 815.50                 |
| Community evening college                                 | 35,649.30           | 32,811.26           | 2,838.04               |
| Television classes  | 5,991.35            | 8,319.35            | (2,328.00)             |
| All other student fees                                    | 48,407.63           | 36,216.94           | 12,190.69              |
| State appropriation                                       | 3,228,912.00        | 3,164,862.00        | 64,050.00              |
| Los Alamos instructional program                          | 66,374.27           | 66,487.59           | (113.32)               |
| Holloman instructional program                            | 42,152.79           | 26,162.92           | 15,989.87              |
| Sales and services from educational departments and other | 42,675.91           | 53,320.62           | (10,644.71)            |
| Albuquerque Public Schools - television program           | 54,869.28           | -                   | 54,869.28              |
| Land and Permanent Fund income, not pledged               | 52,000.00           | 55,000.00           | (3,000.00)             |
| Total educational and general                             | <u>4,669,839.98</u> | <u>4,300,802.76</u> | <u>369,037.22</u>      |
| Organized activities relating to instruction:             |                     |                     |                        |
| Intercollegiate athletics                                 | 189,649.01          | 168,839.57          | 20,809.44              |
| University press  | 51,933.85           | 56,779.78           | (4,845.93)             |
| University publications                                   | 7,438.32            | 7,536.61            | (98.29)                |
| Total organized activities                                | <u>249,021.18</u>   | <u>233,155.96</u>   | <u>15,865.22</u>       |
| Noneducational:   |                     |                     |                        |
| Land and Permanent Fund income, pledged                   | 198,000.00          | 195,000.00          | 3,000.00               |
| Student fees, pledged to bond issues                      | 320,000.00          | 320,000.00          | -                      |
| Western Regional appropriation                            | 86,391.00           | 84,653.00           | 1,738.00               |
| Rent, geology building, pledged                           | 60,623.44           | 60,973.44           | (350.00)               |
| Total noneducational                                      | <u>665,014.44</u>   | <u>660,626.44</u>   | <u>4,388.00</u>        |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Current Fund

## Revenues, Expenditures and Surplus, Continued

| Revenues  | Year ended<br>June 30, |                     | Increase<br>(Decrease) |
|---|------------------------|---------------------|------------------------|
|   | 1959                   | 1958                |                        |
| Auxiliary enterprises and activities:                 |                        |                     |                        |
| Dining halls and snack bar                            | \$ 480,885.98          | 469,600.23          | 11,285.75              |
| Residence halls                                       | 285,170.39             | 291,932.62          | (6,762.23)             |
| University Golf Course                                | 170,077.88             | 171,658.87          | (1,580.99)             |
| Heating plant   | 196,587.58             | 220,164.60          | (23,577.02)            |
| Printing plant  | 184,237.13             | 186,814.77          | (2,577.64)             |
| Total auxiliary enterprises                           | <u>1,316,958.96</u>    | <u>1,340,171.09</u> | <u>(23,212.13)</u>     |
| Total revenues  | <u>6,900,834.56</u>    | <u>6,534,756.25</u> | <u>366,078.31</u>      |
| <u>Expenditures</u>                                   |                        |                     |                        |
| Educational and general:                              |                        |                     |                        |
| Administration and general:                           |                        |                     |                        |
| General administrative offices:                       |                        |                     |                        |
| Board of Educational Finance                          | 15,668.00              | 15,621.00           | 47.00                  |
| Board of Regents                                      | 2,011.34               | 446.90              | 1,564.44               |
| Comptroller's office                                  | 123,428.77             | 112,675.28          | 10,753.49              |
| Counseling and testing                                | 48,700.41              | 44,560.88           | 4,139.53               |
| Student affairs office                                | 20,823.84              | 20,708.89           | 114.95                 |
| Personnel office                                      | 63,542.71              | 52,281.49           | 11,261.22              |
| President's office                                    | 32,422.28              | 30,337.82           | 2,084.46               |
| Registrar's office                                    | 94,126.55              | 89,909.33           | 4,217.22               |
|   | <u>400,723.90</u>      | <u>366,541.59</u>   | <u>34,182.31</u>       |
| Less general overhead applied to<br>other departments | 86,679.26              | 86,929.73           | (250.47)               |
| Total administration                                  | <u>314,044.64</u>      | <u>279,611.86</u>   | <u>34,432.78</u>       |
| General expense:                                      |                        |                     |                        |
| Administrative retirement                             | 12,194.20              | 11,635.88           | 558.32                 |
| Administrative travel                                 | 3,935.69               | 2,672.62            | 1,263.07               |
| Alumni Association                                    | 16,589.54              | 17,062.13           | (472.59)               |
| Auditing  | 4,615.00               | 4,000.00            | 615.00                 |
| Commencement and diplomas                             | 5,142.49               | 5,325.78            | (183.29)               |
| Development   | 21,389.80              | 19,466.35           | 1,923.45               |
| Dues and memberships                                  | 2,582.25               | 1,300.00            | 1,282.25               |
| Food stores   | 16,168.66              | 13,861.14           | 2,307.52               |
| Group insurance                                       | 10,807.04              | 16,437.93           | (5,630.89)             |
| High school activities                                | 1,556.54               | 1,721.46            | (164.92)               |
| Honoraria and moving costs                            | 11,320.54              | 11,688.08           | (367.54)               |
| Department of information                             | 21,348.64              | 20,405.68           | 942.96                 |
| Legal expense   | 4,996.82               | 2,406.48            | 2,590.34               |
| Mimeograph and mailing                                | 9,485.27               | 13,893.45           | (4,408.18)             |
| Placement Bureau                                      | 14,697.29              | 13,387.34           | 1,309.95               |
| Postage and postal service                            | <u>24,460.56</u>       | <u>20,128.44</u>    | <u>4,332.12</u>        |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Current Fund

Revenues, Expenditures and Surplus, Continued

| <u>Expenditures</u>                    | Year ended<br>June 30, |                     | Increase<br>(Decrease) |
|--|------------------------|---------------------|------------------------|
|  | <u>1959</u>            | <u>1958</u>         |                        |
| Educational and general, continued:    |                        |                     |                        |
| Administration and general, continued: |                        |                     |                        |
| General expense, continued:            |                        |                     |                        |
| Receptions and entertainment           | \$ 2,015.61            | 1,638.31            | 377.30                 |
| Social security taxes                  | 8,447.07               | 7,468.08            | 978.99                 |
| Student health service                 | 55,164.47              | 44,944.65           | 10,219.82              |
| Telephone and telegraph                | 37,082.72              | 35,009.08           | 2,073.64               |
| Miscellaneous expense                  | 11,314.14              | 15,377.03           | (4,062.89)             |
| Total general expense                  | <u>295,314.34</u>      | <u>279,829.91</u>   | <u>15,484.43</u>       |
| Total administration and general       | <u>609,358.98</u>      | <u>559,441.77</u>   | <u>49,917.21</u>       |
| Instruction:                           |                        |                     |                        |
| Academic vice-president                | <u>26,119.91</u>       | <u>26,003.13</u>    | <u>116.78</u>          |
| General research                       | <u>5,684.99</u>        | <u>6,323.34</u>     | <u>(638.35)</u>        |
| Graduate school                        | <u>22,389.32</u>       | <u>20,571.44</u>    | <u>1,817.88</u>        |
| College of Arts and Sciences:          |                        |                     |                        |
| Administrative office                  | 29,779.54              | 26,878.04           | 2,901.50               |
| Anthropology                           | 47,894.53              | 45,161.22           | 2,733.31               |
| Biology                                | 102,166.79             | 84,086.17           | 18,080.62              |
| Chemistry                              | 82,043.54              | 75,599.48           | 6,444.06               |
| Economics                              | 34,512.92              | 32,661.72           | 1,851.20               |
| English                                | 173,214.04             | 154,000.83          | 19,213.21              |
| Geography                              | 6,848.18               | 6,230.88            | 617.30                 |
| Geology                                | 67,875.93              | 58,951.05           | 8,924.88               |
| Government                             | 37,370.34              | 39,333.65           | (1,963.31)             |
| History                                | 72,667.93              | 68,518.05           | 4,149.88               |
| Journalism                             | 15,979.38              | 13,950.28           | 2,029.10               |
| Mathematics and astronomy              | 108,284.98             | 100,560.79          | 7,724.19               |
| Modern languages                       | 103,525.38             | 100,508.48          | 3,016.90               |
| Philosophy                             | 21,159.17              | 20,138.67           | 1,020.50               |
| Physics                                | 67,016.16              | 63,593.44           | 3,422.72               |
| Psychology                             | 53,427.21              | 49,722.96           | 3,704.25               |
| School of Inter-American Affairs       | 11,273.75              | 11,198.54           | 75.21                  |
| Sociology                              | 24,109.61              | 25,608.28           | (1,498.67)             |
| Speech                                 | <u>39,759.28</u>       | <u>37,108.38</u>    | <u>2,650.90</u>        |
| Total College of Arts and Sciences     | <u>1,098,908.66</u>    | <u>1,013,810.91</u> | <u>85,097.75</u>       |
| College of Business Administration     | <u>93,347.72</u>       | <u>94,867.04</u>    | <u>(1,519.32)</u>      |
| College of Education:                  |                        |                     |                        |
| Administrative office                  | 20,903.55              | 20,254.25           | 649.30                 |
| Art education                          | 13,826.97              | 12,899.96           | 927.01                 |
| Elementary education                   | 27,734.90              | 24,695.79           | 3,039.11               |
| Home economics                         | 26,044.67              | 25,304.56           | 740.11                 |
| Physical education - men               | 67,381.37              | 61,437.43           | 5,943.94               |
| Physical education - women             | <u>35,943.53</u>       | <u>33,280.52</u>    | <u>2,663.00</u>        |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Current Fund

Revenues, Expenditures and Surplus, Continued

| <u>Expenditures</u>                   | Year ended          |                     | Increase<br>(Decrease) |
|---------------------------------------|---------------------|---------------------|------------------------|
|                                       | 1959                | 1958                |                        |
| Educational and general, continued:   |                     |                     |                        |
| Instruction, continued:               |                     |                     |                        |
| College of Education, continued:      |                     |                     |                        |
| Placement Bureau                      | \$ -                | 1,368.64            | (1,368.64)             |
| School administration                 | 39,735.59           | 29,722.06           | 10,013.53              |
| Secondary education                   | 46,324.89           | 45,955.56           | 369.33                 |
| Total College of Education            | <u>277,895.47</u>   | <u>254,918.78</u>   | <u>22,976.69</u>       |
| College of Engineering:               |                     |                     |                        |
| Administrative office                 | 15,895.75           | 15,019.94           | 875.81                 |
| Architecture                          | 17,791.89           | 38,294.88           | (20,502.99)            |
| Chemical                              | 25,027.52           | 24,116.71           | 910.81                 |
| Civil                                 | 82,604.16           | 51,336.50           | 31,267.66              |
| Electrical                            | 81,719.88           | 73,729.40           | 7,990.48               |
| Mechanical                            | 76,639.76           | 65,104.63           | 11,535.13              |
| Total College of Engineering          | <u>299,678.96</u>   | <u>267,602.06</u>   | <u>32,076.90</u>       |
| College of Fine Arts:                 |                     |                     |                        |
| Administrative office                 | 14,546.66           | 13,872.85           | 673.81                 |
| Art                                   | 86,229.62           | 79,536.41           | 6,693.21               |
| Drama                                 | 31,848.94           | 27,714.75           | 4,134.19               |
| Music                                 | 99,839.38           | 91,481.82           | 8,357.56               |
| Total College of Fine Arts            | <u>232,464.60</u>   | <u>212,605.83</u>   | <u>19,858.77</u>       |
| College of Law                        | 68,196.39           | 66,045.84           | 2,150.55               |
| College of Nursing                    | 49,140.45           | 37,852.91           | 11,287.54              |
| College of Pharmacy                   | 47,521.46           | 48,835.22           | (1,313.76)             |
| University College                    | 18,813.95           | 16,561.80           | 2,252.15               |
| Summer and field sessions             | <u>124,599.34</u>   | <u>112,491.59</u>   | <u>12,107.75</u>       |
| Other instruction:                    |                     |                     |                        |
| Air Reserve Officers Training Corps   | 7,636.21            | 7,218.61            | 417.60                 |
| Gallup Center                         | 2,932.50            | 3,480.99            | (548.49)               |
| Group insurance                       | 21,154.39           | 32,228.03           | (11,073.64)            |
| Holloman instructional program        | 51,168.49           | 35,685.23           | 15,483.26              |
| Los Alamos instructional program      | 75,414.07           | 75,498.36           | (84.29)                |
| Naval Reserve Officers Training Corps | 4,528.71            | 4,501.91            | 26.80                  |
| Social security taxes                 | 41,289.63           | 32,917.00           | 8,372.63               |
| State retirement                      | 75,186.43           | 69,733.90           | 5,452.53               |
| Student employment                    | 22,991.36           | 23,095.27           | (103.91)               |
| Student participation                 | 69,242.54           | 46,810.40           | 22,432.14              |
| Television program                    | 80,134.99           | 51,020.58           | 29,114.41              |
| Total other instruction               | <u>451,679.32</u>   | <u>382,190.28</u>   | <u>69,489.04</u>       |
| Total instruction                     | <u>2,816,440.54</u> | <u>2,560,680.17</u> | <u>255,760.37</u>      |

(Continued)

## Schedule 6, Cont.

## UNIVERSITY OF NEW MEXICO

## Current Fund

Revenues, Expenditures and Surplus, Continued

| <u>Expenditures</u>                          | Year ended          |                     | Increase<br>(Decrease) |
|--|---------------------|---------------------|------------------------|
|  | 1959                | June 30,<br>1958    |                        |
| Educational and general, continued:          |                     |                     |                        |
| Organized research:                          |                     |                     |                        |
| Business research                            | \$ 40,603.27        | 34,213.76           | 6,389.51               |
| Government research                          | 5,593.77            | 5,172.90            | 420.87                 |
| Historical research                          | 18,762.48           | 18,188.96           | 573.52                 |
| Meteoritics                                  | 5,115.32            | 7,082.87            | (1,967.55)             |
| Total organized research                     | <u>70,074.84</u>    | <u>64,658.49</u>    | <u>5,416.35</u>        |
| Extension Division:                          |                     |                     |                        |
| Administrative office                        | 37,878.68           | 36,227.05           | 1,651.63               |
| Community evening college salaries           | 21,196.00           | 21,749.70           | (553.70)               |
| Correspondence salaries                      | 8,919.42            | 7,283.93            | 1,635.49               |
| Extension class salaries                     | 6,790.00            | 12,700.00           | (5,910.00)             |
| Film library                                 | 3,449.54            | 3,492.61            | (43.07)                |
| Harwood Foundation                           | 6,103.04            | 5,858.62            | 244.42                 |
| Total Extension Division                     | <u>84,336.68</u>    | <u>87,311.91</u>    | <u>(2,975.23)</u>      |
| Law Library                                  | 20,403.31           | 19,564.29           | 839.02                 |
| Library                                      | 200,646.49          | 194,878.69          | 5,767.80               |
| Total libraries                              | <u>221,049.80</u>   | <u>214,442.98</u>   | <u>6,606.82</u>        |
| Operation and maintenance of physical plant: |                     |                     |                        |
| Administrative office                        | 50,248.56           | 49,274.71           | 973.85                 |
| Campus planning                              | 15,737.20           | -                   | 15,737.20              |
| General equipment                            | 2,414.05            | -                   | 2,414.05               |
| Janitorial service                           | 127,989.16          | 120,012.92          | 7,976.24               |
| Harwood Foundation                           | 11,232.01           | 7,125.84            | 4,106.17               |
| Maintenance of grounds                       | 65,557.82           | 61,253.37           | 4,304.45               |
| Policemen and watchmen                       | 35,128.49           | 32,000.36           | 3,128.13               |
| Property insurance                           | 15,940.74           | 18,723.35           | (2,782.61)             |
| Property rental                              | 23.82               | 23.82               | -                      |
| Repairs to building and equipment            | 282,006.58          | 261,887.03          | 20,119.55              |
| Repairs to vehicles                          | 31,233.02           | 27,841.53           | 3,391.49               |
| Utilities                                    | 163,372.84          | 159,520.63          | 3,852.21               |
| Miscellaneous expense                        | 782.97              | 770.05              | 12.92                  |
|  | <u>801,667.26</u>   | <u>738,433.61</u>   | <u>63,233.65</u>       |
| Less charges applied to other departments    | <u>116,189.26</u>   | <u>89,999.43</u>    | <u>26,189.83</u>       |
| Total operation and maintenance of plant     | <u>685,478.00</u>   | <u>648,434.18</u>   | <u>37,043.82</u>       |
| Total education and general                  | <u>4,486,738.84</u> | <u>4,134,969.50</u> | <u>351,769.34</u>      |

(Continued)

## UNIVERSITY OF NEW MEXICO

## Current Fund

## Revenues, Expenditures and Surplus, Continued

| <u>Expenditures</u>  | Year ended<br>June 30, |                     | Increase<br>(Decrease) |
|--|------------------------|---------------------|------------------------|
|  | <u>1959</u>            | <u>1958</u>         |                        |
| Organized activities relating to instruction:  |                        |                     |                        |
| Home management  | \$ 1,633.40            | 1,597.94            | 35.46                  |
| Intercollegiate athletics  | 377,632.22             | 349,790.11          | 27,842.11              |
| University band  | 1,855.74               | 1,841.07            | 14.67                  |
| University press   | 75,710.89              | 87,734.24           | (12,023.35)            |
| University publications  | 17,165.93              | 18,425.40           | (1,259.47)             |
| Total organized activities   | <u>473,998.18</u>      | <u>459,388.76</u>   | <u>14,609.42</u>       |
| Noneducational:  |                        |                     |                        |
| Building and Improvement bond principal  | 127,000.00             | 122,000.00          | 5,000.00               |
| Building and Improvement bond interest   | 62,815.00              | 66,655.00           | (3,840.00)             |
| Revenue bond principal   | 134,000.00             | 136,500.00          | (2,500.00)             |
| Revenue bond interest  | 197,664.50             | 202,238.50          | (4,574.00)             |
| Revenue bond reserve fund  | 20,000.00              | 20,000.00           | -                      |
| Interest on loan   | 253.48                 | 309.80              | (56.32)                |
| Scholarships   | 28,493.50              | 22,412.00           | 6,081.50               |
| Western Regional Program   | 86,391.00              | 84,653.00           | 1,738.00               |
| Total noneducational   | <u>656,617.48</u>      | <u>654,768.30</u>   | <u>1,849.18</u>        |
| Auxiliary enterprises and activities:  |                        |                     |                        |
| Dining halls and snack bar   | 442,549.20             | 412,876.28          | 29,672.92              |
| Residence halls  | 206,296.61             | 234,260.68          | (27,964.07)            |
| University Golf Course   | 128,811.87             | 134,703.21          | (5,891.34)             |
| Heating plant  | 208,320.55             | 206,808.10          | 1,512.45               |
| Printing plant   | 166,693.46             | 167,997.44          | (1,303.98)             |
| Total auxiliary enterprises  | <u>1,152,671.69</u>    | <u>1,156,645.71</u> | <u>(3,974.02)</u>      |
| Total expenditures   | <u>6,770,026.19</u>    | <u>6,405,772.27</u> | <u>364,253.92</u>      |
| Excess of revenues over expenditures   | <u>130,808.37</u>      | <u>128,983.98</u>   | <u>1,824.39</u>        |
| Transfers to other funds:  |                        |                     |                        |
| Plant Fund   | (109,808.25)           |                     |                        |
| Restricted Fund, net income from apartments  | (3.39)                 |                     |                        |
| Loan Fund - National Defense Student Loan Fund   | (3,447.00)             |                     |                        |
| Other additions:   |                        |                     |                        |
| Restoration of prior years' reserve for bad debts  | 9,116.90               |                     |                        |
| Unexpended budget for Western Regional Program and uninsurable losses included in appropriated surplus | 5,140.22               |                     |                        |
| Portion of group insurance dividend held as a reserve for decline of future dividends                  | <u>29,665.68</u>       |                     |                        |
| Net addition   | <u>61,472.53</u>       |                     |                        |
| Surplus at beginning of year   | <u>296,998.23</u>      |                     |                        |
| Surplus at end of year   | \$ <u>358,470.76</u>   |                     |                        |

(Continued)

Schedule 6, Cont.

## UNIVERSITY OF NEW MEXICO

## Current Fund

Revenues, Expenditures and Surplus, Continued

## Represented by:

Unappropriated surplus

\$ 109,924.33

Appropriated surplus:

Reserve for auxiliaries

150,000.00

Reserve for uninsured losses

30,766.54

Western Regional Program

17,296.28

Reserve for group insurance

50,483.61248,546.43

Total (Exhibit B)

\$ 358,470.76



## UNIVERSITY OF NEW MEXICO

## Intercollegiate Athletics

## Statement of Income

Year ended June 30, 1959  
with comparative figures for 1958

|                            | Year ended<br>June 30, |                     | Increase<br>(Decrease) |
|----------------------------|------------------------|---------------------|------------------------|
|                            | 1959                   | 1958                |                        |
| <b>Income:</b>             |                        |                     |                        |
| Sales of tickets, etc.:    |                        |                     |                        |
| Football                   | \$ 82,927.00           | 56,147.40           | 26,779.60              |
| Basketball                 | 9,257.50               | 16,238.04           | (6,980.54)             |
| Student fees               | 35,100.00              | 33,596.00           | 1,504.00               |
| Guarantees:                |                        |                     |                        |
| Football                   | 29,518.09              | 30,911.32           | (1,393.23)             |
| Basketball                 | -                      | 1,500.00            | (1,500.00)             |
| Gifts and grants           | 18,983.77              | 20,000.00           | (1,016.23)             |
| Concessions income         | 11,206.65              | 9,896.81            | 1,309.84               |
| Minor sports income        | 2,656.00               | 550.00              | 2,106.00               |
| Total income               | <u>189,649.01</u>      | <u>168,839.57</u>   | <u>20,809.44</u>       |
| <b>Expenditures:</b>       |                        |                     |                        |
| General expense:           |                        |                     |                        |
| Grants-in-aid              | 127,418.32             | 123,444.69          | 3,973.63               |
| Salaries                   | 73,214.72              | 67,525.09           | 5,689.63               |
| Conference dues and travel | 7,410.71               | 6,302.99            | 1,107.72               |
| Applied general overhead   | 9,482.45               | 8,441.98            | 1,040.47               |
| Miscellaneous              | 15,377.00              | 12,100.56           | 3,276.44               |
|                            | <u>232,903.20</u>      | <u>217,815.31</u>   | <u>15,087.89</u>       |
| Football expense:          |                        |                     |                        |
| Game guarantees            | 37,374.56              | 24,638.50           | 12,736.06              |
| Team travel                | 18,632.62              | 22,492.50           | (3,859.88)             |
| Game expense               | 9,863.92               | 9,014.21            | 849.71                 |
| Miscellaneous              | 25,804.51              | 20,052.83           | 5,751.68               |
|                            | <u>91,675.61</u>       | <u>76,198.04</u>    | <u>15,477.57</u>       |
| Basketball expense:        |                        |                     |                        |
| Game guarantees            | 3,000.00               | 11,357.77           | (8,357.77)             |
| Team travel                | 9,393.41               | 9,732.21            | (338.80)               |
| Game expense               | 5,292.27               | 6,474.19            | (1,181.92)             |
| Miscellaneous              | 6,250.45               | 5,714.26            | 536.19                 |
|                            | <u>23,936.13</u>       | <u>33,278.43</u>    | <u>(9,342.30)</u>      |
| Minor sports               | 23,588.18              | 17,156.60           | 6,431.58               |
| Concession expense         | 5,529.10               | 5,341.73            | 187.37                 |
| Total expenditures         | <u>377,632.22</u>      | <u>349,790.11</u>   | <u>27,842.11</u>       |
| Net income (loss)          | \$ <u>(187,983.21)</u> | <u>(180,950.54)</u> | <u>(7,032.67)</u>      |

Schedule 8

## UNIVERSITY OF NEW MEXICO

## University Press

## Statement of Income

Year ended June 30, 1959  
with comparative figures for 1958

|   | Year ended<br>June 30, |                    | Increase<br>(Decrease) |
|---|------------------------|--------------------|------------------------|
|   | 1959                   | 1958               |                        |
| Sales of publications                                     | \$ 51,933.85           | 56,779.78          | (4,845.93)             |
| Cost of goods sold (including royalties<br>of \$4,927.68) | 26,663.57              | 31,443.45          | (4,779.88)             |
| Market decline in inventory                               | 11,447.39              | 17,786.29          | (6,338.90)             |
|   | <u>38,110.96</u>       | <u>49,229.74</u>   | <u>(11,118.78)</u>     |
| Gross profit  | <u>13,822.89</u>       | <u>7,550.04</u>    | <u>6,272.85</u>        |
| Publishing and selling expense:                           |                        |                    |                        |
| Advertising   | 2,670.68               | 4,450.26           | (1,779.58)             |
| Applied general overhead                                  | 2,730.88               | 2,978.41           | (247.53)               |
| Bad debts   | 2.62                   | 115.90             | (113.28)               |
| Commissions   | 2,235.95               | 2,860.22           | (624.27)               |
| Depreciation  | 188.00                 | 188.00             | -                      |
| Miscellaneous   | 197.40                 | 452.80             | (255.40)               |
| Retirement  | 654.50                 | 744.73             | (90.23)                |
| Salaries  | 26,492.47              | 23,801.39          | 2,691.08               |
| Supplies and postage                                      | 1,659.60               | 2,097.06           | (437.46)               |
| Telephone and telegraph                                   | 72.54                  | 30.53              | 42.01                  |
| Travel  | 160.80                 | 308.12             | (147.32)               |
| Social security taxes                                     | 534.49                 | 477.08             | 57.41                  |
|   | <u>37,599.93</u>       | <u>38,504.50</u>   | <u>(904.57)</u>        |
| Net income (loss)   | \$ <u>(23,777.04)</u>  | <u>(30,954.46)</u> | <u>7,177.42</u>        |

## UNIVERSITY OF NEW MEXICO

## Dining Halls and Snack Bar

## Statement of Income

Year ended June 30, 1959  
with comparative figures for 1958

|  | Hokona<br>Dining Hall | Mesa Vista<br>Dining Hall | Mesa Vista<br>Snack Bar | Total<br>June 30,<br>1959 | Total<br>June 30,<br>1958 | Increase<br>(Decrease) |
|--|-----------------------|---------------------------|-------------------------|---------------------------|---------------------------|------------------------|
| Income from sales                      | \$ 203,233.83         | 260,681.41                | 16,970.74               | 480,885.98                | 469,600.23                | 11,285.75              |
| Expenditures:                          |                       |                           |                         |                           |                           |                        |
| Cost of sales:                         |                       |                           |                         |                           |                           |                        |
| Food                                   | 88,227.53             | 130,387.57                | 8,762.68                | 227,377.78                | 217,430.65                | 9,947.13               |
| Other                                  | 15,994.19             | 17,847.43                 | 1,298.54                | 35,140.16                 | 32,777.26                 | 2,362.90               |
|  | <u>104,221.72</u>     | <u>148,235.00</u>         | <u>10,061.22</u>        | <u>262,517.94</u>         | <u>250,207.91</u>         | <u>12,310.03</u>       |
| Wages                                  | 64,596.31             | 69,353.89                 | 4,113.11                | 138,063.31                | 123,603.56                | 14,459.75              |
| Operations and maintenance:            |                       |                           |                         |                           |                           |                        |
| Repairs and maintenance                | 2,057.80              | 3,004.73                  | 56.17                   | 5,118.70                  | 2,968.85                  | 2,149.85               |
| Depreciation                           | 1,500.00              | 1,500.00                  | -                       | 3,000.00                  | 3,000.00                  | -                      |
| Janitorial service                     | 3,046.15              | 913.99                    | -                       | 3,960.14                  | 3,154.74                  | 805.40                 |
| Insurance                              | 124.00                | 162.44                    | -                       | 286.44                    | 307.46                    | (21.02)                |
|  | <u>6,727.95</u>       | <u>5,581.16</u>           | <u>56.17</u>            | <u>12,365.28</u>          | <u>9,431.05</u>           | <u>2,934.23</u>        |
| Administrative expense:                |                       |                           |                         |                           |                           |                        |
| Applied general overhead               | 9,863.66              | 13,034.07                 | 848.54                  | 23,746.27                 | 23,320.46                 | 425.81                 |
| Retirement and social security taxes   | 1,738.17              | 1,797.23                  | 95.88                   | 3,631.28                  | 3,381.97                  | 249.31                 |
| Miscellaneous                          | 755.19                | 1,469.93                  | -                       | 2,225.12                  | 2,931.33                  | (706.21)               |
|  | <u>12,357.02</u>      | <u>16,301.23</u>          | <u>944.42</u>           | <u>29,602.67</u>          | <u>29,633.76</u>          | <u>(31.09)</u>         |
| Total expenditures                     | <u>187,903.00</u>     | <u>239,471.28</u>         | <u>15,174.92</u>        | <u>442,549.20</u>         | <u>412,876.28</u>         | <u>29,672.92</u>       |
| Net income before debt service charges | <u>15,330.83</u>      | <u>21,210.13</u>          | <u>1,795.82</u>         | <u>38,336.78</u>          | <u>56,723.95</u>          | <u>(18,387.17)</u>     |
| Debt service:                          |                       |                           |                         |                           |                           |                        |
| Bond interest                          | 9,075.75              | 18,333.25                 | -                       | 27,409.00                 | 26,124.85                 | 1,284.15               |
| Bond principal                         | 1,500.00              | 15,600.00                 | -                       | 17,100.00                 | 16,800.00                 | 300.00                 |
|  | <u>10,575.75</u>      | <u>33,933.25</u>          | <u>-</u>                | <u>44,509.00</u>          | <u>42,924.85</u>          | <u>1,584.15</u>        |
| Net income after debt service charges  | \$ <u>4,755.08</u>    | <u>(12,723.12)</u>        | <u>1,795.82</u>         | <u>(6,172.22)</u>         | <u>13,799.10</u>          | <u>(19,971.32)</u>     |

## UNIVERSITY OF NEW MEXICO

## Residence Halls

## Statement of Income

Year ended June 30, 1959  
with comparative figures for 1958

|  | Hokona<br>Hall | Mesa Vista<br>Dormitory | University<br>of<br>New Mexico<br>Apartments | Sunset<br>Mesa<br>dwelling<br>units | Temporary<br>buildings | Total<br>June 30,<br>1959 | Total<br>June 30,<br>1958 | Increase<br>(Decrease) |
|--|----------------|-------------------------|--|-------------------------------------|------------------------|---------------------------|---------------------------|------------------------|
| Rental income                                | \$ 113,590.02  | 122,668.28              | 17,560.13                                    | 9,853.69                            | 21,498.27              | 285,170.39                | 291,932.62                | (6,762.23)             |
| Expenditures:                                |                |                         |  |                                     |                        |                           |                           |                        |
| Salaries and wages                           | 35,703.01      | 35,293.28               | 2,133.46                                     | 303.23                              | 4,796.97               | 78,229.95                 | 73,942.22                 | 4,287.73               |
| Operation and maintenance:                   |                |                         |  |                                     |                        |                           |                           |                        |
| Depreciation                                 | 5,200.00       | 5,200.00                | 1,500.00                                     | 1,600.00                            | 4,740.00               | 18,240.00                 | 18,240.00                 | -                      |
| Insurance                                    | 1,305.84       | 1,052.78                | 109.95                                       | 298.43                              | 204.19                 | 2,971.19                  | 3,584.41                  | (613.22)               |
| Janitor service                              | 2,359.30       | 2,631.23                | 232.00                                       | 339.00                              | 407.24                 | 5,968.77                  | 5,571.81                  | 396.96                 |
| Laundry                                      | 5,013.45       | 4,278.71                | -  | -                                   | 971.00                 | 10,263.16                 | 10,866.00                 | (602.84)               |
| Repairs and maintenance                      | 3,509.62       | 8,604.86                | 1,510.54                                     | 993.80                              | 846.34                 | 15,465.16                 | 16,349.48                 | (884.32)               |
| Retirement                                   | 316.86         | 241.60                  | -  | -                                   | -                      | 558.46                    | 470.22                    | 88.24                  |
| Social security taxes                        | 845.28         | 599.28                  | -  | -                                   | 116.47                 | 1,561.03                  | 1,256.89                  | 304.14                 |
| Supplies                                     | 4,781.76       | 5,104.97                | 24.92  | 366.11                              | 343.57                 | 10,621.33                 | 18,937.23                 | (8,315.90)             |
| Telephone and telegraph                      | 3,813.56       | 3,949.40                | -  | 90.99                               | -                      | 7,853.95                  | 6,244.88                  | 1,609.07               |
| Utilities                                    | 13,661.58      | 17,308.02               | 1,955.86                                     | 2,447.90                            | 4,464.85               | 39,838.21                 | 63,612.88                 | (23,774.67)            |
|  | 40,807.25      | 48,970.85               | 5,333.27                                     | 6,136.23                            | 12,093.66              | 113,341.26                | 145,133.80                | (31,792.54)            |
| Administrative expenses:                     |                |                         |  |                                     |                        |                           |                           |                        |
| Applied general overhead                     | 5,608.08       | 6,088.80                | 878.01                                       | 492.68                              | 1,074.91               | 14,142.48                 | 14,516.11                 | (373.63)               |
| Miscellaneous                                | 321.26         | 261.66                  | -  | -                                   | -                      | 582.92                    | 668.55                    | (85.63)                |
|  | 5,929.34       | 6,350.46                | 878.01                                       | 492.68                              | 1,074.91               | 14,725.40                 | 15,184.66                 | (459.26)               |
| Total expenditures                           | 82,439.60      | 90,614.59               | 8,344.74                                     | 6,932.14                            | 17,965.54              | 206,296.61                | 234,260.68                | (27,964.07)            |
| Net income before debt service charges       | 31,150.42      | 32,053.69               | 9,215.39                                     | 2,921.55                            | 3,532.73               | 78,873.78                 | 57,671.94                 | 21,201.84              |
| Debt service:                                |                |                         |  |                                     |                        |                           |                           |                        |
| Bond interest                                | 21,176.75      | 26,794.75               | 3,212.00                                     | -                                   | -                      | 51,183.50                 | 47,964.15                 | 3,219.35               |
| Bond principal                               | 3,500.00       | 22,800.00               | 6,000.00                                     | -                                   | -                      | 32,300.00                 | 31,600.00                 | 700.00                 |
|  | 24,676.75      | 49,594.75               | 9,212.00                                     | -                                   | -                      | 83,483.50                 | 79,564.15                 | 3,919.35               |
| Net income (loss) after debt service charges | \$ 6,473.67    | (17,541.06)             | 3.39   | 2,921.55                            | 3,532.73               | (4,609.72)                | (21,892.21)               | 17,282.49              |

## UNIVERSITY OF NEW MEXICO

## University Golf Course

## Statement of Income

Year ended June 30, 1959  
with comparative figures for 1958

|  | Year ended<br>June 30, |                   | Increase<br>(Decrease) |
|--|------------------------|-------------------|------------------------|
|  | 1959                   | 1958              |                        |
| Income:                                |                        |                   |                        |
| Greens fees                            | \$ 70,280.60           | 71,708.26         | (1,427.66)             |
| Sales                                  | 60,399.90              | 62,229.01         | (1,829.11)             |
| Student fees                           | 17,550.00              | 16,798.00         | 752.00                 |
| Memberships                            | 17,334.00              | 16,955.50         | 378.50                 |
| Club rentals and storage               | 4,470.14               | 3,968.10          | 502.04                 |
| Miscellaneous                          | 43.24                  | -                 | 43.24                  |
| Total income                           | <u>170,077.88</u>      | <u>171,658.87</u> | <u>(1,580.99)</u>      |
| Expenditures:                          |                        |                   |                        |
| Salaries                               | 49,380.70              | 55,697.79         | (6,317.09)             |
| Cost of sales                          | <u>38,281.64</u>       | <u>40,179.55</u>  | <u>(1,897.91)</u>      |
| Operation and maintenance              | <u>20,397.99</u>       | <u>21,670.19</u>  | <u>(1,272.20)</u>      |
| Administrative expense:                |                        |                   |                        |
| Applied general overhead               | 8,516.24               | 8,626.83          | (110.59)               |
| Other                                  | 4,721.20               | 5,824.99          | (1,103.79)             |
|  | <u>13,237.44</u>       | <u>14,451.82</u>  | <u>(1,214.38)</u>      |
| Capital outlay                         | 7,514.10               | 2,703.86          | 4,810.24               |
| Total expenditures                     | <u>128,811.87</u>      | <u>134,703.21</u> | <u>(5,891.34)</u>      |
| Net income before debt service charges | <u>41,266.01</u>       | <u>36,955.66</u>  | <u>4,310.35</u>        |
| Debt service:                          |                        |                   |                        |
| Bond interest                          | 3,957.50               | 4,122.50          | (165.00)               |
| Bond principal                         | 6,000.00               | 6,000.00          | -                      |
|  | <u>9,957.50</u>        | <u>10,122.50</u>  | <u>(165.00)</u>        |
| Net income after debt service charges  | \$ <u>31,308.51</u>    | <u>26,833.16</u>  | <u>4,475.35</u>        |

## UNIVERSITY OF NEW MEXICO

## Heating Plant

## Statement of Income

Year ended June 30, 1959  
with comparative figures for 1958

|  | Year ended<br>June 30, |                   | Increase<br>(Decrease) |
|--|------------------------|-------------------|------------------------|
|  | 1959                   | 1958              |                        |
| Income                                       | \$ 196,587.58          | 220,164.60        | (23,577.02)            |
| Expenditures:                                |                        |                   |                        |
| Operation and maintenance:                   |                        |                   |                        |
| Fuel   | 61,460.70              | 60,690.30         | 770.40                 |
| Insurance                                    | 1,261.71               | 1,529.77          | (268.06)               |
| Repairs and maintenance                      | 6,459.49               | 6,175.67          | 283.82                 |
| Retirement                                   | 529.32                 | 425.67            | 103.65                 |
| Salaries                                     | 24,624.35              | 22,912.31         | 1,712.04               |
| Social security taxes                        | 497.07                 | 400.62            | 96.45                  |
| Supplies                                     | 450.95                 | 540.22            | (89.27)                |
| Utilities                                    | 96,351.99              | 89,881.93         | 6,470.06               |
|  | <u>191,635.58</u>      | <u>182,556.49</u> | <u>9,079.09</u>        |
| Administrative expense:                      |                        |                   |                        |
| Applied general overhead                     | 9,408.88               | 10,963.46         | (1,554.58)             |
| Miscellaneous                                | 288.49                 | 939.24            | (650.75)               |
|  | <u>9,697.37</u>        | <u>11,902.70</u>  | <u>(2,205.33)</u>      |
| Capital outlay                               | <u>6,987.60</u>        | <u>12,348.91</u>  | <u>(5,361.31)</u>      |
| Total expenditures                           | <u>208,320.55</u>      | <u>206,808.10</u> | <u>1,512.45</u>        |
| Net income before debt service charges       | (11,732.97)            | 13,356.50         | (25,089.47)            |
| Debt service:                                |                        |                   |                        |
| Bond interest                                | 9,519.18               | 9,782.44          | (263.26)               |
| Bond principal                               | 8,100.00               | 8,100.00          | -                      |
|  | <u>17,619.18</u>       | <u>17,882.44</u>  | <u>(263.26)</u>        |
| Net income (loss) after debt service charges | \$ <u>(29,352.15)</u>  | <u>(4,525.94)</u> | <u>(24,826.21)</u>     |

## UNIVERSITY OF NEW MEXICO

## Printing Plant

## Statement of Income

Year ended June 30, 1959  
with comparative figures for 1958

|  | Year ended<br>June 30, |                   | Increase<br>(Decrease) |
|--|------------------------|-------------------|------------------------|
|  | <u>1959</u>            | <u>1958</u>       |                        |
| Income from sales                      | \$ <u>184,237.13</u>   | <u>186,814.77</u> | ( <u>2,577.64</u> )    |
| Cost of sales:                         |                        |                   |                        |
| Computed cost of sales                 | 176,926.19             | 171,517.38        | 5,408.81               |
| Less overabsorbed overhead             | <u>10,232.73</u>       | <u>3,519.94</u>   | <u>6,712.79</u>        |
| Total cost of sales                    | <u>166,693.46</u>      | <u>167,997.44</u> | ( <u>1,303.98</u> )    |
| Net income before debt service charges | 17,543.67              | 18,817.33         | (1,273.66)             |
| Debt service:                          |                        |                   |                        |
| Bond interest                          | 4,935.88               | 5,072.37          | (136.49)               |
| Bond principal                         | <u>4,200.00</u>        | <u>4,200.00</u>   | -                      |
|  | <u>9,135.88</u>        | <u>9,272.37</u>   | ( <u>136.49</u> )      |
| Net income after debt service charges  | \$ <u>8,407.79</u>     | <u>9,544.96</u>   | ( <u>1,137.17</u> )    |

Schedule 14

## UNIVERSITY OF NEW MEXICO

Statement of Educational and General Expenditures  
Per Student Credit HourYear ended June 30, 1959

|                                    | <u>Expenditures</u> | <u>Student<br/>credit<br/>hours</u> | <u>Cost per<br/>student<br/>credit hour</u> |
|------------------------------------|---------------------|-------------------------------------|---|
| Direct instruction:                |                     |                                     |   |
| College of Arts and Sciences:      |                     |                                     |   |
| Anthropology                       | \$ 47,894.53        | 4,002                               | 11.97                                       |
| Biology                            | 102,166.79          | 7,560                               | 13.51                                       |
| Chemistry                          | 82,043.54           | 6,758                               | 12.14                                       |
| Economics                          | 34,512.92           | 3,483                               | 9.91  |
| English                            | 173,214.04          | 16,171                              | 10.71                                       |
| Geography                          | 6,848.18            | 999                                 | 6.86  |
| Geology                            | 67,875.93           | 4,304                               | 15.77                                       |
| Government and social sciences     | 37,370.34           | 3,671                               | 10.18                                       |
| History                            | 72,667.93           | 8,117                               | 8.95  |
| Journalism                         | 15,979.38           | 479                                 | 33.36                                       |
| Mathematics and astronomy          | 108,284.98          | 13,776                              | 7.86  |
| Modern languages                   | 103,525.38          | 7,539                               | 13.73                                       |
| Philosophy                         | 21,159.17           | 2,126                               | 9.95  |
| Physics                            | 67,016.16           | 4,127                               | 16.24                                       |
| Psychology                         | 53,427.21           | 5,942                               | 8.99  |
| Sociology                          | 24,109.61           | 1,718                               | 14.03                                       |
| Speech                             | 39,759.28           | 2,079                               | 19.12                                       |
|                                    | <u>1,057,855.37</u> | <u>92,851</u>                       | <u>11.39</u>                                |
| Administrative office              | 29,779.54           | 92,851                              | .32   |
| School of Inter-American Affairs   | 11,273.75           | 92,851                              | .13   |
| Total College of Arts and Sciences | <u>1,098,908.66</u> | <u>92,851</u>                       | <u>11.84</u>                                |
| College of Business Administration | <u>93,347.72</u>    | <u>7,309</u>                        | <u>12.77</u>                                |
| College of Education:              |                     |                                     |   |
| Art education                      | 13,826.97           | 1,005                               | 13.76                                       |
| Elementary education               | 27,734.90           | 1,459                               | 19.01                                       |
| General education                  | -                   | 2,850                               | -   |
| Home economics                     | 26,044.67           | 1,349                               | 19.31                                       |
| Music education                    | -                   | 539                                 | -   |
| Physical education                 | 103,324.90          | 4,041                               | 25.57                                       |
| School administration              | 39,735.59           | 561                                 | 70.83                                       |
| Secondary education                | 46,324.89           | 2,962                               | 15.64                                       |
|                                    | <u>256,991.92</u>   | <u>14,766</u>                       | <u>17.40</u>                                |
| Administrative office              | 20,903.55           | 14,766                              | 1.42  |
| Total College of Education         | <u>277,895.47</u>   | <u>14,766</u>                       | <u>18.82</u>                                |

(Continued)



## UNIVERSITY OF NEW MEXICO

Statement of Educational and General Expenditures  
Per Student Credit Hour, Continued

|  | <u>Expenditures</u> | <u>Student<br/>credit<br/>hours</u> | <u>Cost per<br/>student<br/>credit hour</u> |
|--|---------------------|-------------------------------------|---|
| Direct instruction, continued:                           |                     |                                     |   |
| College of Engineering:                                  |                     |                                     |   |
| Architecture   | \$ 17,791.89        | 905                                 | 19.66                                       |
| Chemical   | 25,027.52           | 754                                 | 33.19                                       |
| Civil  | 82,604.16           | 5,922                               | 13.95                                       |
| Electrical   | 81,719.88           | 4,427                               | 18.46                                       |
| Mechanical   | 76,639.76           | 3,587                               | 21.37                                       |
| Engineering  | -                   | 114                                 | -   |
|  | <u>283,783.21</u>   | <u>15,709</u>                       | <u>18.07</u>                                |
| Administrative office                                    | 15,895.75           | 15,709                              | 1.01  |
| Total College of Engineering                             | <u>299,678.96</u>   | <u>15,709</u>                       | <u>19.08</u>                                |
| College of Fine Arts:                                    |                     |                                     |   |
| Art  | 86,229.62           | 4,028                               | 21.41                                       |
| Drama  | 31,848.94           | 1,017                               | 31.32                                       |
| Music  | 99,839.38           | 2,244                               | 44.49                                       |
|  | <u>217,917.94</u>   | <u>7,289</u>                        | <u>29.89</u>                                |
| Administrative office                                    | 14,546.66           | 7,289                               | 2.00  |
| Total College of Fine Arts                               | <u>232,464.60</u>   | <u>7,289</u>                        | <u>31.89</u>                                |
| College of Law   | 68,196.39           | 2,042                               | 33.40                                       |
| College of Nursing                                       | 49,140.45           | 837                                 | 58.71                                       |
| College of Pharmacy                                      | 47,521.46           | 903                                 | 52.62                                       |
| University College, administrative office                | 18,813.95           | -                                   | -   |
| Summer and field sessions                                | 124,599.34          | 11,247                              | 11.08                                       |
| Air Reserve Officers Training Corps                      | 7,636.21            | 720                                 | 10.61                                       |
| Naval Reserve Officers Training Corps                    | 4,528.71            | 831                                 | 5.45  |
| Gallup Center  | 2,932.50            | 202                                 | 14.51                                       |
| Holloman instructional program                           | 51,168.49           | 361                                 | 141.74                                      |
| Los Alamos instructional program                         | 75,414.07           | 1,912                               | 39.44                                       |
| Television program                                       | 80,134.99           | 201                                 | 398.68                                      |
| Total direct instruction                                 | <u>2,532,381.97</u> | <u>157,180</u>                      | <u>16.11</u>                                |
| Indirect instruction expenses:                           |                     |                                     |   |
| Student employment and participation                     | 92,233.90           | 157,180                             | .59   |
| Social security taxes, retirement and<br>group insurance | 137,630.45          | 157,180                             | .88   |
| Academic vice-president                                  | 26,119.91           | 157,180                             | .16   |
| General research   | 5,684.99            | 157,180                             | .04   |
| Graduate school  | 22,389.32           | 157,180                             | .14   |
| Total indirect instruction expenses                      | <u>284,058.57</u>   | <u>157,180</u>                      | <u>1.81</u>                                 |
| Total instructional expense                              | <u>2,816,440.54</u> | <u>157,180</u>                      | <u>17.92</u>                                |
| Extension Division                                       | 84,336.68           | 3,699                               | 22.80                                       |
| Total instruction and Extension<br>Division              | <u>2,900,777.22</u> | <u>160,879</u>                      | <u>18.03</u>                                |

(Continued)

## UNIVERSITY OF NEW MEXICO

Statement of Educational and General Expenditures  
Per Student Credit Hour, Continued

|   | <u>Expenditures</u>    | <u>Student<br/>credit<br/>hours</u> | <u>Cost per<br/>student<br/>credit hour</u> |
|---|------------------------|-------------------------------------|---|
| Other educational and general expenditures:         |                        |                                     |   |
| Administration expense                              | \$ 314,044.64          | 160,879                             | 1.95  |
| General expense                                     | 295,314.34             | 160,879                             | 1.84  |
| Organized research                                  | 70,074.84              | 160,879                             | .44   |
| Library   | 221,049.80             | 160,879                             | 1.37  |
| Operation and maintenance of physical plant         | <u>685,478.00</u>      | <u>160,879</u>                      | <u>4.26</u>                                 |
| Total other educational and<br>general expenditures | <u>1,585,961.62</u>    | <u>160,879</u>                      | <u>9.86</u>                                 |
| Total educational and general                       | <u>\$ 4,486,738.84</u> | <u>160,879</u>                      | <u>27.89</u>                                |

## UNIVERSITY OF NEW MEXICO

## Current Fund

## Comparative Statement of Revenues and Expenditures

Ten years ended June 30, 1959

|  | 1959                | 1958             | 1957             | 1956             | 1955             | 1954             | 1953             | 1952             | 1951             | 1950             |
|--|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>Revenues:</b>                             |                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Educational and general:                     |                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Student fees                                 | \$ 1,182,856        | 934,970          | 805,755          | 667,664          | 632,379          | 549,044          | 668,355          | 629,475          | 938,288          | 1,198,640        |
| Land and Permanent Fund, not pledged         | 52,000              | 55,000           | -                | 138,000          | 119,000          | -                | 125,512          | 141,203          | 233,850          | 39,444           |
| State appropriation                          | 3,228,912           | 3,164,862        | 2,595,334        | 2,549,724        | 2,088,769        | 2,088,769        | 1,980,080        | 1,980,080        | 1,511,125        | 1,519,525        |
| Sales, services and miscellaneous income     | 206,072             | 145,971          | 134,998          | 42,537           | 45,402           | 53,290           | 34,602           | 37,512           | 33,054           | 39,922           |
|  | <u>4,669,840</u>    | <u>4,300,803</u> | <u>3,536,087</u> | <u>3,397,925</u> | <u>2,885,550</u> | <u>2,691,103</u> | <u>2,808,549</u> | <u>2,788,270</u> | <u>2,716,327</u> | <u>2,797,531</u> |
| Organized activities relating to instruction | 249,021             | 233,156          | 194,762          | 191,454          | 183,959          | 167,463          | 201,670          | 184,569          | 187,821          | 156,183          |
| Noneducational:                              |                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Land and Permanent Fund, pledged             | 198,000             | 195,000          | 193,500          | 51,770           | 51,160           | 51,373           | 53,085           | 53,370           | 63,548           | 58,987           |
| Student fees, pledged                        | 320,000             | 320,000          | 304,000          | 304,675          | 294,335          | 294,380          | 258,500          | 227,230          | 147,480          | 45,040           |
| Western Regional appropriation               | 86,391              | 84,653           | 66,500           | 66,500           | 50,000           | 50,000           | 20,000           | 20,000           | -                | -                |
| Scholarships                                 | -                   | -                | -                | 26,648           | 25,215           | -                | -                | 3,823            | 5,605            | 5,704            |
| Rent, geology building                       | 60,623              | 60,973           | 60,971           | 59,924           | 59,293           | 52,832           | -                | -                | -                | -                |
|  | <u>665,014</u>      | <u>660,826</u>   | <u>624,971</u>   | <u>509,517</u>   | <u>480,003</u>   | <u>448,285</u>   | <u>331,585</u>   | <u>304,423</u>   | <u>216,633</u>   | <u>108,731</u>   |
| Auxiliary enterprises                        | <u>1,316,959</u>    | <u>1,340,171</u> | <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>1,001,656</u> | <u>935,036</u>   | <u>809,128</u>   |
|  | <u>\$ 6,900,834</u> | <u>6,534,756</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> |
| <b>Expenditures:</b>                         |                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Educational and general:                     |                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Administration and general                   | 609,359             | 559,442          | 507,203          | 467,133          | 408,686          | 409,216          | 378,905          | 377,606          | 368,265          | 388,600          |
| Instruction                                  | 2,816,440           | 2,560,680        | 2,221,948        | 2,041,194        | 1,707,716        | 1,657,686        | 1,599,197        | 1,652,784        | 1,557,540        | 1,638,483        |
| Organized research                           | 70,075              | 64,658           | 61,789           | 51,745           | 46,130           | 45,255           | 42,493           | 15,189           | 35,922           | 42,320           |
| Extension Division                           | 84,337              | 87,312           | 85,093           | 69,431           | 66,194           | 56,426           | 57,139           | 51,439           | 45,652           | 45,652           |
| Library                                      | 221,050             | 214,443          | 188,246          | 171,452          | 152,563          | 149,901          | 140,208          | 144,320          | 138,406          | 146,154          |
| Physical plant operation                     | 685,478             | 648,434          | 559,615          | 539,656          | 420,037          | 401,366          | 414,051          | 446,831          | 327,027          | 472,814          |
|  | <u>4,486,739</u>    | <u>4,134,969</u> | <u>3,624,894</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> |
| Organized activities relating to instruction | 473,993             | 459,389          | 402,583          | 304,872          | 299,244          | 255,159          | 250,144          | 251,905          | 322,180          | 272,961          |
| Noneducational:                              |                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Scholarships                                 | 28,493              | 22,412           | 16,056           | 49,109           | 106,629          | 79,606           | 50,029           | 37,889           | 39,521           | 30,471           |
| Bond principal and interest                  | 521,733             | 527,703          | 432,497          | 331,723          | 334,392          | 302,442          | 178,046          | 83,337           | 68,051           | 66,987           |
| Western Regional Program                     | 86,391              | 84,653           | 66,500           | 66,500           | 43,500           | 49,566           | 20,000           | 22,000           | -                | -                |
| Sinking Fund Installments                    | 20,000              | 20,000           | 20,000           | 20,000           | -                | -                | 161,400          | 213,305          | 53,000           | 50,000           |
| Capital outlay                               | -                   | -                | -                | -                | -                | -                | -                | 23,147           | -                | -                |
|  | <u>656,617</u>      | <u>654,768</u>   | <u>535,053</u>   | <u>465,184</u>   | <u>484,521</u>   | <u>432,614</u>   | <u>409,475</u>   | <u>379,678</u>   | <u>160,572</u>   | <u>147,458</u>   |
| Auxiliary enterprises                        | <u>1,152,872</u>    | <u>1,156,646</u> | <u>1,020,986</u> | <u>914,392</u>   | <u>930,160</u>   | <u>984,176</u>   | <u>1,057,080</u> | <u>947,486</u>   | <u>969,448</u>   | <u>776,256</u>   |
|  | <u>\$ 6,770,026</u> | <u>6,405,772</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> |

UNIVERSITY OF NEW MEXICO

1948 General Building Bonds "System"

Statement of Income

Year ended June 30, 1959

|  | <u>Total</u>        | <u>Mesa Vista Dormitory</u> |                    | <u>Printing</u>  | <u>Heating</u>    | <u>Library</u>      |
|--|---------------------|-----------------------------|--------------------|------------------|-------------------|---------------------|
|  |                     | <u>Rooms</u>                | <u>Dining hall</u> | <u>plant</u>     | <u>plant</u>      | <u>and other</u>    |
|  |                     |                             | <u>Snack bar</u>   |                  |                   | <u>student fees</u> |
| Income:                                      |                     |                             |                    |                  |                   |                     |
| Sales  | \$ 658,476.86       | -                           | 260,681.41         | 16,970.74        | 184,237.13        | 196,587.58          |
| Rents  | 122,668.28          | 122,668.28                  | -                  | -                | -                 | -                   |
| Student fees                                 | 130,000.00          | -                           | -                  | -                | -                 | 130,000.00          |
|  | <u>911,145.14</u>   | <u>122,668.28</u>           | <u>260,681.41</u>  | <u>16,970.74</u> | <u>184,237.13</u> | <u>196,587.58</u>   |
| Expenditures:                                |                     |                             |                    |                  |                   |                     |
| Cost of sales                                | 335,222.41          | -                           | 148,235.00         | 10,061.22        | 176,926.19        | -                   |
| Wages  | 195,229.97          | 35,293.28                   | 69,353.89          | 4,113.11         | 86,469.69         | -                   |
| Operation and maintenance                    | 264,145.76          | 48,970.85                   | 5,581.16           | 56.17            | 17,902.00         | 191,635.58          |
| Administrative expense                       | 58,021.45           | 6,350.46                    | 16,301.23          | 944.42           | 24,727.97         | 9,697.37            |
| Printing plant overhead applied to job costs | (139,332.39)        | -                           | -                  | -                | (139,332.39)      | -                   |
| Capital outlay                               | 6,987.60            | -                           | -                  | -                | -                 | 6,987.60            |
|  | <u>720,274.80</u>   | <u>90,614.59</u>            | <u>239,471.28</u>  | <u>15,174.92</u> | <u>166,693.46</u> | <u>208,320.55</u>   |
| Net income before debt service charges       | <u>190,870.34</u>   | <u>32,053.69</u>            | <u>21,210.13</u>   | <u>1,795.82</u>  | <u>17,543.67</u>  | <u>(11,732.97)</u>  |
|  |                     |                             |                    |                  |                   | <u>130,000.00</u>   |
| Debt service:                                |                     |                             |                    |                  |                   |                     |
| Bond interest                                | 70,512.50           | 26,794.75                   | 18,333.25          | -                | 4,935.88          | 9,519.18            |
| Bond principal                               | 60,000.00           | 22,800.00                   | 15,600.00          | -                | 4,200.00          | 8,100.00            |
|  | <u>130,512.50</u>   | <u>49,594.75</u>            | <u>33,933.25</u>   | <u>-</u>         | <u>9,135.88</u>   | <u>17,619.18</u>    |
|  |                     |                             |                    |                  |                   | <u>20,229.44</u>    |
| Net income (loss) after debt service charges | \$ <u>60,357.84</u> | <u>(17,541.06)</u>          | <u>(12,723.12)</u> | <u>1,795.82</u>  | <u>8,407.79</u>   | <u>(29,352.15)</u>  |
|  |                     |                             |                    |                  |                   | <u>109,770.56</u>   |

UNIVERSITY OF NEW MEXICO  
1955 General Building Bonds "System"

Statement of Income

Year ended June 30, 1959

|   | <u>Total</u>        | <u>Hokona<br/>Dormitory</u> |                    |
|---|---------------------|-----------------------------|--------------------|
|   |                     | <u>Rooms</u>                | <u>Dining hall</u> |
| Income:                                   |                     |                             |                    |
| Sales                                     | \$ 203,233.83       | -                           | 203,233.83         |
| Rents                                     | <u>113,590.02</u>   | <u>113,590.02</u>           | <u>-</u>           |
|   | <u>316,823.85</u>   | <u>113,590.02</u>           | <u>203,233.83</u>  |
| Expenditures:                             |                     |                             |                    |
| Cost of sales                             | 104,221.72          | -                           | 104,221.72         |
| Wages                                     | 100,299.32          | 35,703.01                   | 64,596.31          |
| Operation and maintenance                 | 47,535.20           | 40,807.25                   | 6,727.95           |
| Administrative expense                    | <u>18,286.36</u>    | <u>5,929.34</u>             | <u>12,357.02</u>   |
|   | <u>270,342.60</u>   | <u>82,439.60</u>            | <u>187,903.00</u>  |
| Net income before debt<br>service charges | <u>46,481.25</u>    | <u>31,150.42</u>            | <u>15,330.83</u>   |
| Debt service:                             |                     |                             |                    |
| Bond interest                             | 30,252.50           | 21,176.75                   | 9,075.75           |
| Bond principal                            | <u>5,000.00</u>     | <u>3,500.00</u>             | <u>1,500.00</u>    |
|   | <u>35,252.50</u>    | <u>24,676.75</u>            | <u>10,575.75</u>   |
| Net income after debt<br>service charges  | \$ <u>11,228.75</u> | <u>6,473.67</u>             | <u>4,755.08</u>    |

**UNIVERSITY OF NEW MEXICO**  
**"Educational Operating Dollar"**

| SOURCE OF THE DOLLAR:                               | Year ended June 30, |             |
|---|---------------------|-------------|
|   | 1959                | 1958        |
| Student fees .....                                  | \$ .28              | \$ .22      |
| Government appropriations .....                     | .69                 | .74         |
| Sales, services and miscellaneous .....             | .02                 | .01         |
| Los Alamos and Holloman instructional program ..... | .02                 | .02         |
| Permanent land income—unpledged .....               | .01                 | .01         |
|   | <u>1.00</u>         | <u>1.00</u> |
| <b>WHICH WAS SPENT IN THIS WAY:</b>                 |                     |             |
| Administration and general .....                    | .13                 | .13         |
| Instruction .....                                   | .60                 | .60         |
| Organized research .....                            | .01                 | .01         |
| Extension Division .....                            | .02                 | .02         |
| Library .....                                       | .05                 | .05         |
| Operation and maintenance of plant .....            | .15                 | .15         |
|   | .96                 | .96         |
| Used for other activities and enterprises .....     | <u>\$ .04</u>       | <u>.04</u>  |

**EDUCATIONAL AND GENERAL EXPENDITURES PER STUDENT CREDIT HOUR**

|  | Cost per student credit hour<br>year ended June 30, |              |
|--|---|--------------|
|  | 1959  | 1958         |
| College of Arts and Sciences .....               | \$ 11.84  | 11.30        |
| College of Business Administration .....         | 12.77   | 14.10        |
| College of Education .....                       | 18.82   | 18.83        |
| College of Engineering .....                     | 19.08   | 16.31        |
| College of Fine Arts .....                       | 31.89   | 30.49        |
| College of Law .....                             | 33.40   | 32.39        |
| College of Nursing .....                         | 58.71   | 112.66       |
| College of Pharmacy .....                        | 52.62   | 58.84        |
| Summer and field sessions .....                  | 11.03   | 11.35        |
| Air Reserve Officers Training Corps .....        | 10.61   | 10.46        |
| Naval Reserve Officers Training Corps .....      | 5.45  | 5.02         |
| Gallup Center .....                              | 14.61   | 7.97         |
| Holloman instructional program .....             | 141.74  | 37.21        |
| Los Alamos instructional program .....           | 39.44   | 34.78        |
| Television program .....                         | 398.68  | 380.75       |
| Total direct instructional expenses .....        | 16.11   | 15.18        |
| Indirect instructional expenses .....            | 1.81  | 1.70         |
| Extension Division .....                         | 22.80   | 29.58        |
| Total instructional and Extension Division ..... | 18.03   | 17.12        |
| Other educational and general expenditures ..... | 9.86  | 9.61         |
|  | <u>\$ 27.89</u>                                     | <u>26.73</u> |

REPORT OF THE DEPARTMENT OF HOUSING  
MESA VISTA DORMITORY, U.N.M. APARTMENTS, VARSITY VILLAGE  
AND T-DORM AREA  
JULY 1, 1958 TO JUNE 30, 1959  
ROSCOE E. STORMENT - DIRECTOR

Mesa Vista Dormitory and the T-Dorms 13, 22, 23 and 24 opened the first semester with a total occupancy of 652 residents. Of this number, 501 were housed in Mesa Vista, and 151 in the T-Dorms. Three buildings, T-24, T-13 and T-22 were used for double room occupancy. Students placed in the barracks buildings were mostly seniors, graduates, and older freshmen desiring single rooms. In Mesa Vista Dormitory all of the four-man rooms were filled, and most all singles converted to doubles. Forty-one students arriving without contracts were placed temporarily in a large dormitory room in the basement and in the fourth floor Game Room. Later in the semester, as some moved to fraternities and apartments, this group was moved to regular double rooms. There were 332 freshmen residing in dormitory housing at the beginning of Semester I. Occupancy remained very consistent throughout the year. The second semester, occupancy was a total of 512 at the close. Eighty-five lived in the T-Dorms and 427 in Mesa Vista Dormitory.

Summer session occupancy in Mesa Vista Dormitory will be a total of 140 occupants. Thirty students from Sandia Base Corporation will reside in the dormitory from June 10th to September 1st, 1959.

Conventions housed during the summer in Mesa Vista Dormitory will be the Firefighting Training School, June 15-17, the National Manpower Council, June 16-17, The Workshop of Latin Teachers, June 15-19,

The Anthropology Field session group, June 19-20, the High School Music Clinic, June 22- July 1, The Speech Institute, June 29- July 17, Texas Junior Historical Tour, July 8, State High School J.C. Golf Tournament, July 15- 18, Seven Concentrated Courses and Workshops July 20- August 6-8.

A major improvement planned to start June 15, is the laying of ceramic tile floors in all of the rest rooms of Mesa Vista. Two pilot models were installed at the beginning of Semester II.

Gerald W. Hubbart, Assistant Dean of Men, acted as head resident during the academic year. Counselors serving under him were Brant Calkin, Charles Esquibel, Jimmie Stevens, Henry Johnson, Charles Thompson, Fred Stewart, Glen Stillion and Dick Howell. Nina Holland started working as Secretary to the Director of Housing on July 21, 1958. William B. Graham and Peter McCray were employed as night clerks in the office of Mesa Vista during the academic year.

The University of New Mexico Apartments, located at 1920 Lomas Boulevard N.E., consisting of 20 one bedroom units, had 100% occupancy during the fiscal year. Tenants were 25% faculty and administrative, and 75% undergraduate student occupancy. Four of the apartments in the dinette areas were covered with vinyl plastic flooring tile. A block wall was erected, extending between apartments 13 and 20, to serve as an enclosed play ground area for the children.

Varsity Village apartments located at 1003 to 1119 Stanford Drive N.E., barracks type buildings one half mile from the campus, consist



of 27 apartments. Fifteen, one bedroom units and 12 two bedroom units. They are reserved principally for married veterans with children. Half of the apartments were vacated during the second semester. The balance of the apartments will be vacated and removed by June 15, 1959.

At the beginning of Semester I, 1958 there was a waiting list of from fifty to sixty married students wanting housing in these apartments. As of June 30, 1959 there was a list of 50 applicants in our files for married student housing.

REPORT OF HOKONA HALL  
July 1, 1958 - June 30, 1959  
Mary Failing, Director

Hokona Hall during the total year housed close to 600 women, both graduates and undergraduates. The largest permanent enrollment at any given time was 489 students at the beginning of Semester I. Over half of these were freshmen.

Student government has run fairly smoothly within the dormitory but has encountered some difficulties from outside agencies such as the Lobo, A.W.S. and fraternity groups. In the long run I am sure that Hokona Hall government will be strengthened by these incidents; however they did pose real threats to the groups at the times they occurred.

The Standards Committee has developed greatly this year in spite of serious obstacles. The most notable instance of this was their removal of one of the student members of the committee for failure to support the group. She was a very well-liked girl, and it was a difficult task for Standards to face, but they accomplished of their own choice, not in any sense a matter of staff pressure.

The graduate program has not been as strong this year as might have been hoped. Strong personality clashes among the group and the inclusion on the staff of two young women who were not strongly interested in the program had deleterious effects on the formation of strong staff relationships. The latter step was necessary because of our small staff, but it did bring with it certain ill effects. The Graduate School at the University is probably not large enough at the present time to supply sufficient well-qualified young women to staff the dormitory.

This year more than ever before there has been a need for psychiatric services on the campus. Three attempted suicides, one case involving homosexuality, three cases of pregnancy, two involving rather seriously disturbed girls, and a number of other less spectacular cases all point to this need.

There is a definite indication that the University would do well to screen the out-of-state applicants more carefully. A large proportion of instances involving mental disturbances and behavior problems is found among out-of-state students.

One of the problems we have faced this year is the increasing unpopularity of the Infirmary among dormitory girls. There seems to be some basis for it. The criticisms lie in the area of public relations as well as in that of poor medical practice. Since the latter kind of criticism is indigenous to all student health services, it can be largely disregarded I believe but the former I regard as rather serious. Students resent being told that they will have to wait an hour for treatment because "the doctor is resting." This is a small thing of itself, but to the students it bespeaks an attitude of indifference to their needs.

Respectfully submitted

Mary Failing

The Report of the Physical Plant Department

July 1, 1958 to June 30, 1959

M. F. Fifield, Director

Significant Work Completed During Period

1. Completed construction of scintillator - Physics Building.
2. Completed first phase of a re-modeling program at Carlisle Gym to convert it for better use by the Women's P. E. Department. This phase totalling \$27,500.00 essentially covered the following work to the main Gymnasium: new maple floor, new roof and re-paint interior (some areas for the first time since Gymnasium was constructed). The entire exterior was also re-painted under this phase.
3. Completed the re-modeling of a storeroom suite in northwest corner of Johnson Gymnasium for use by New Mexico High School Activities Association.
4. Completed installation of 1750 square feet of additional balcony in old boiler room of Mechanical Engineering Building to complete a solid second floor totalling 3750 square feet.
5. Added second floor to Press Booth - Stadium Building.
6. Re-modeling of NROTC Wardroom - Stadium Building (paneling, vinyl floor, acoustical ceiling and lighting).
7. Re-pipe three practice fields east of Johnson Gymnasium.
8. Work at Lawrence Ranch -
  - a. Out in right-of-way for R.E.A. power line from Hawk Ranch.
  - b. Install pipe, tank and pump to provide spring water at two main ranch buildings and to camp site south of spring.

Significant Work Completed During Period (continued)

- c. Install 360 Feet of 16 inch - 20 inch steel pipe intake complete with dam revisions at Gallina Creek.
- 9. Move trees and utilities out of way for following utility tunnels completed by outside contract during period:
  - a. Coronado Dorm Tunnel 1198 feet.
  - b. Heating Plant to Geology extension 613 feet.
  - c. Southwest leg to Hodgkin 645 feet.
  - d. Southeast leg to Printing Plant 810 feet.
- 10. Completed following re-lighting at Library: Southeast Reading Room, Southwest Reference Room and Area over the Circulation Desk.
- 11. New Roof areas installed during period (in addition to many miscellaneous roof repair jobs):
  - a. Infirmary - 87 squares.
  - b. Administration - 186 squares.
  - c. Fine Arts - 73 squares.
- 12. Extended chilled water lines to Administration Building and completed installation of 35 of the 38 Fan/Coil units presently approved for the Air Conditioning of various offices on the first and second floor of this building.
- 13. Miscellaneous work at Coronado Monument -
  - a. New roof on Both Museum and Superintendent's House.
  - b. Wire and light Superintendent's House and wire pumphouse.
  - c. Re-pipe and properly install all plumbing in Superintendent's House.
- 14. Remove canvass wall surfaces adjacent to Hodey Stage and replace with plywood and paint.

Significant Work Completed During Period (continued)

15. Install Laboratory tables and equipment in two Laboratories, -  
Biology Building.
16. Re-modeling at Jonson Gallery to provide additional storage for  
paintings and revisions to workspace and upstairs Living Area.
17. Completed miscellaneous work to west end of North Hall resulting  
from removal of old Center Hekona (stucco exterior, install exterior  
fire escape and make one new office in west end of upstairs Hall).
18. Build new inside stairway from Basement at 1421 Las Lomas Road,  
N.E. (Gustav Weil residence).
19. Re-modeling in Hodgin Hall for College of Education to provide Material  
Learning Center in southeast corner of Basement.

Significant Work Commenced or Continued During Period

1. Installation of a 60,000 pound per hour B & W Boiler together with  
all appurtenances and controls by outside contract.
2. Re-modeling of 3,000 square feet of Basement area in Chemistry to  
provide additional research Laboratory space.
3. Miscellaneous work at Coronado Monument:
  - a. Plans to stucco Museum and Superintendent's House awaiting  
development of an appropriate adobe stucco.
  - b. Install new septic tank and drain field.
4. Miscellaneous work at Mesa Vista Dormitory:
  - a. Installation of 44 of total of 48 shower stall units complete  
with integral drain pans.
  - b. Raise floor fixtures in all Rest Rooms to enable installation  
of ceramic floor tile by contract.
  - c. Paint Kitchen, Dining Hall and Lobby/Lounge areas, remove fixture  
from Snack Bar and remodel fireplace for TV/HIFI built in.

Significant Work Commenced or Continued During Period (continued)

5. Following Roof jobs:
  - a. Mechanical Engineering.
  - b. Y-1
6. Replace control lines from Heating Plant to #1 and #2 Pump House with new installation in conduit run in Utility Tunnel from Heating Plant to Cornell and Roma.
7. Extend chilled water piping to library and air condition entire building using a combination of Physical Plant labor, surplus equipment, and work and material by outside contract.
8. Re-modeling to Telephone Operator's room on second floor and Switch Gear room in Basement at Administration Building.
9. The Warehouse Building addition to provide proper space for several shops was held more or less dormant during the period due to other jobs being given precedence. It is hoped this needed addition can be completed during the current year.
10. Re-roof buildings - Lawrence Ranch.

Significant Work Pending

1. Zimmerman Field Work -
  - a. Shifting of bleachers and concession stands to enable set up of two new sawfly bleachers to accommodate 3240 people.
  - b. Paint all unpainted bleachers and stand seating (save new bleachers and Stadium seating).
2. Re-modeling of old Student Union Building for Anthropology Department. Present planning seems to indicate a separate Museum Building will probably be built by outside contract which we heartily favor.

Significant Work Pending (continued)

3. Re-model area in Administration vacated by Anthropology Department to accomodate Business Office, Graduate Office and Student Affairs expansion.
4. Proceed with second phase of Carlisle Gym re-modeling which will include installation of a new Dance Room complete with maple floor in southwest corner and the complete re-modeling of two locker-shower rooms on the west side of building.
5. Install piping and zoysia grass on following lawns:
  - Law
  - Coronado Hall
  - New Mexico Union
  - Chemistry
  - Biology
6. Significant Roof jobs -
  - a. Library
  - b. Old Building and Grounds
7. Lawrence Ranch work -
  - a. Erect Dormitory/Dining Hall Building with framing material now on site.
  - b. Complete another portion of piping from Gallina Creek.
  - c. Set up adequate camping site complete with roads, picnic tables, toilets and raised tent floors.
  - d. Miscellaneous re-modeling to present main ranch building.
8. Harwood Foundation work -
  - a. Miscellaneous structural re-inforcement and repair to buildings - particularly the Auxiliary Building in northwest corner of property.

Significant Work Pending (continued)

9. Paving of Streets and Parking Lots in Athletic and Dormitory areas east of Cornell. We presently hope this will be accomplished by the State Highway Department

Personnel Changes

The following significant personnel changes occurred during the year:

On May 15, 1958 Mr. R. W. Armstrong, Foreman of the Carpenters, Painters, Plasterers and Roofers took a disability retirement after 10 years of service with University of New Mexico. Mr. Armstrong was replaced by Mr. Charles R. Compton who has been with the University for 7 years. Mr. Alton J. Pickard assumed the duties of Assistant Foreman on this date.

On January 1, 1959, Mr. Gilbert Gillespie, Foreman of Custodians, took a straight retirement after 23 years of service with University of New Mexico. Mr. Gillespie was replaced by Mr. Hugh Urbanoski who has been with the University for four years. The selection of an Assistant Custodian Foreman is an outstanding problem and we are presently considering three men from Albuquerque Public Schools for the billet.

On June 12, 1959, CAPT Albert Owen, Captain of University of New Mexico Police resigned to accept the position of Sergeant with the Associated Colleges of Pomona. CAPT Owen was replaced by CAPT A. F. Ryder who had previous experience in the billet and a total of four years service with University of New Mexico Police from December 1951 to April 1955. The following two officers have been named to the rank of Acting Sergeant:

Leo Lucero, Jr.

George V. Delaney



National Association of Physical Plant Administrators of Universities and Colleges

The writer continued as President of this organization until relieved on May 12, 1959. Among a number of details this assignment carried with it the duties of (1) Editing the monthly N.A.P.P.A. NEWSLETTER (2) Attending several committee meetings and (3) Visits to as many member institutions as time permitted. The meetings attended and institutions visited are recapped as follows:

Trip # 1 -

- a. Attended workshop committee meeting at Purdue University - November 7, 1958.
- b. Attended Central States Regional meeting at Washburn University of Topeka on November 3 and 4, 1958.
- c. Attended Midwestern Regional meeting at Chicago on November 10 and 11, 1958.
- d. Visited following institutions in route to enable the write-up of stories for the NEWSLETTER: University of Kansas, William Jewell College, University of Missouri, University of Illinois, University of Indiana, The State University of Iowa, Grinnell College, University of Omaha, Kansas State University and the University of Wichita.

Trip # 2-

- a. Attended the Physical Plant Standards Committee meeting at the University of Southern California on January 29 and 30, 1959.
- b. Visited the following institutions in route: New Mexico State University, University of Arizona, University of California at Los Angeles, California Institute of Technology and University of California at Riverside.

National Assoc. of Physical Plant Administrators of Universities & Colleges  
(continued)

Trip # 3 -

Attended the N.A.P.P.A. Annual Meeting at Kansas State University on May 11, 12 and 13.

The writer sincerely appreciated the opportunity of handling this extra curricula assignment. Since it stretched over a two-year period of intense activity it seems only fair and appropriate to turn down detailed Committee Assignments which have been offered during the 59 - 60 year.

Mr. J. A. Jacobson served as President of the Rocky Mountain Regional Association of Physical Plant Administrators during the period of this report, being relieved of this assignment at the Annual Regional Meeting held at the University of Colorado on July 27 - 29, 1959. Messrs. H. S. Adler (Foreman Heating Plant) and C. E. Retzlaff (Foreman Plumbing and Steam Fitting) also attended the Regional Meeting at Boulder and visited Colorado College and the Air Force Academy at Colorado Springs.

During the year Mr. Jacobson visited the following institutions: New Mexico State University, University of Arizona, and the Instituto Cientifico Literario at Chihuahua, Mexico during a December vacation. On his trip to the Annual Meeting Mr. Jacobson visited Colorado College, The Air Force Academy, the Colorado State College, Greeley, Colorado State University, Fort Collins and Adams State College, Alamosa.

Custodial Workshop

On August 14 and 15, 1958 the Second Annual Custodial Workshop was held at University of New Mexico. The Guest Lecturer was Mr. Jack Adams, Director of Physical Plant at the University of Texas Dental Branch, Houston. In addition to all University of New Mexico Custodial

personnel the remaining personnel who attended may be recapped as follows:

Albuquerque Public Schools 15  
 Secondary Schools outside Albuquerque 3  
 In state Universities and Colleges 2  
 Out state Universities and Colleges 14

The success of this workshop indicated to the sponsoring University of New Mexico agencies (Extension Division, College of Education and Physical Plant Department) that the workshop should be continued as an annual affair with a different guest lecturer each year to enable maximum benefit and exchange of ideas.

#### Superintendent-Foreman Meeting

The following University of New Mexico personnel attended the Fifth Annual Superintendent-Foreman Meeting held at the New Mexico State Hospital on December 5 and 6, 1958: Messrs. J. A. Jacobson (Superintendent of Operations), H. S. Adler (Foreman Heating Plant), R. W. Armstrong (Foreman Carpentry), Gilbert Gillespie (Foreman Custodians), Floyd Faustman (Foreman Mechanical Equipment) and Albert Owen (CAPT UNM Police).

#### New Mexico Turfgrass Association

Mr. Paul Sheridan attended the annual meeting of this Association held at New Mexico State University on October 9 and 10, 1958.

#### Recap of Significant Problems

Skilled Manpower - Salaries - The 7% average salary increase for fiscal 59 - 60 was truly appreciated. However, it did not meet the urgent need to upgrade the salary scales for our skilled labor group as outlined in the last Annual Report. We truly hope the requested 10/20% increase requested in the last biennium report can be realized in the near future as our skilled manpower is not keeping pace with the growth and needs of the University.

Additional Operating Space West of Warehouse - It is our understanding Professor Marvin C. May has worked out a tentative agreement with Mr. Hugh Woodward to lease extra land space due west of the Warehouse. We certainly hope this lease can materialize in the near future as our automotive servicing and material storage problem is not at all as safe and efficient as it could be with about five acres of additional space.

Water System - Within the coming year we plan to submit an overall justification which will recommend the construction of an additional 1,000,000 gallon reservoir in the near future. Since a separate report is mandatory we will not even attempt to brief the problem in this annual report.

Lawrence Ranch - Harwood Foundation - In view of the logistics involved, the establishment of a fulltime manager such as Mr. A. L. Bearce to oversee the operation and maintenance at Lawrence Ranch and the maintenance at Harwood Foundation is of paramount importance to these satellite properties. It is hoped this permanent assignment can be budgeted starting on June 1, 1960 together with an adequate operating budget to properly develop Mr. Bearce's skill and ingenuity. It is suggested he spend approximately nine months per year on Lawrence Ranch work and three months per year on Harwood Foundation work.

Expansion into Utility Tunnels - With the completion of several tunnels, especially the bare legs running to Hodgkin Hall and to the Printing Plant, we have a good place to run new steam, water and gas lines and replace badly corroding lines in these areas. We also must begin to install major portions of our electrical distribution system in our tunnels. According to our contract with Public Service Company of New Mexico on July 1, 1962 we must be ready to abandon the normal feeds into the Campus

via the 44,000 volt overhead line down Yale Boulevard and come into the Campus underground via the Yale Reservoir Sub Station. We presently have two 4160 volt feeders just installed with the new tunnel leg to the Printing Plant. In order to utilize these new feeders it is now necessary to tie the south ends into the Public Service Company Sub Station and tie the north ends into existing underground and overhead systems as is appropriate. This will require a change of metering of the primary circuits on the Campus.

Another unusually urgent utility requirement is shaping up at the Research Center. The need to tie in this activity with the Campus distribution system is quite evident in view of the special demands of electrical energy to power computing machine installations. While tying this structure into the Campus distribution system we would also provide badly needed underground connections to the Campus Telephone System.

#### Communication Center

We were pleased that approval was given for us to budget during Fiscal '59 - '60 the purchase of a \$6,000 Radio - Telephone system for the Physical Plant Department. This system consisting of personal radio transmitter and receiver sets will enable the coordination of activities of key personnel no matter where they may be located on the Campus. By next year we hope to get the 24-hour telephone watch manned by carefully selected students. This will then provide proper after hour communication with Police and emergency maintenance crews and will relieve the Heating Plant of a most serious unrelated chore which they can only awkwardly attempt to handle.

### Indoctrination/Training Film

One of the most exciting projects we propose to get started during Fiscal '59 - '60 is the production of a series of film which we feel will greatly improve the effective operation of the Physical Plant Department on the Campus. The film we propose to work up are as follows:

1. Indoctrination Film For New Employees - This film will give the new employee brief instructions on employee benefits, organization of University and Physical Plant, Physical Plant mission, procedure for handling personnel problems, place of Foreman as direct supervisor, Safety meetings, Club Maintainers, General working procedures, promotions and handling of budgeted salary increases, Political Activity, Yearly Physical Examination, etc.
2. How to Request Physical Plant Services - This film is primarily for Department Heads and their Secretaries and will tell them how the Physical Plant can provide the best and most efficient service that is possible. With the frequent changes of many Department Secretaries along with a few new Department Heads, we feel this particular film will be one of the most valuable that could be produced
3. Typical Physical Plant Safety Problems - Using employees themselves as actors, this film would show some of the primary hazards and unsafe procedures that should be avoided. If a few key employees in each shop are brought into play we feel the direct impact of the Safety theme will be significant and effective.
4. Training Film - Film in this category could be made up for most any shop or section. We are most interested in a few simple rolls made up for some of the basic operations and duties performed by the Police and by the Custodial groups.

We are very happy to advise that through an agreement with Dr. F. C. Hempen, the technical assistance to enable the filming, developing and cutting of the sound track for the above film will be furnished by KNME-TV personnel at cost. This was the biggest single hurdle which was confronting us on the project and it is quite reassuring to know we can get this excellent help for such a worthwhile project.

#### Sick Leave Abuse

As promised in last year's report, on April 30, 1959 we recommended a change in handling sick leave for Physical Plant employees. Action on this recommendation was delayed by the Administration, and we can see why, for it is a most serious step. It appears the threat of a change in the Policy decreased the abuse somewhat although the problem is still very much with us.

## THE REPORT OF HOKONA DINING HALL

July 1, 1958 - June 30, 1959

Doris M. Barker, Director

If time were recorded in the same manner as in an ancient culture, this year would be known as the Year of Changing Faces. In September our table of organization showed sixteen full-time kitchen staff and three janitors. At the present time eight of the sixteen are still with us and two janitors. Katie Grosnoe retired as of February 1, 1959 due to illness. A total of sixteen kitchen staff and three janitors were trained during the year. Six of the newly trained personnel are employed as of this date.

Perhaps the only other significant factor during the year was the number of special diets served. Total diets ordered September 1, 1958 through June 6, 1959 were 65, with a breakdown as follows:

|                            |                       |
|----------------------------|-----------------------|
| Total reducing diets ..... | 42 (34 ordered by In- |
|                            | firmary physician)    |
| Miscellaneous diets:       |                       |
| Diabetic .....             | 1                     |
| Low fat acne .....         | 7                     |
| Bland or ulcer type ....   | 11                    |
| Allergy .....              | 2                     |
| Low carbohydrate,          |                       |
| high protein .....         | 2                     |



THE UNIVERSITY OF NEW MEXICO  
ALBUQUERQUE

ANNUAL REPORT OF UNIVERSITY GOLF COURSE

July 1, 1958-June 30, 1959

SUBMITTED BY DICK MCGUIRE, MANAGER

Total number of rounds played during the fiscal year were:

56,910

Major tournaments held on the University Golf Course during the fiscal year were:

The Tucker Intercollegiate (October 8-11, 1958)  
The Woman's City Tournament (June 8-12, 1959)  
The Men's City Tournament (July 2-5, 1958)

Improvements made during the 1958-1959 fiscal year were:

- (1) New bridges installed over gully on holes 4 & 5.
- (2) Tee boxes were enlarged.
- (3) Number six hole was remodeled.
- (4) Club house was remodeled:
  - (a) a workshop was installed
  - (b) the Pro Shop area was re-arranged
  - (c) Snack bar was enlarged

Improvements planned for the fiscal year of 1959-1960 are:

- (1) a turf rebuilding program.
- (2) the installation of a new practice hole.
- (3) the construction of a new shelter.
- (4) Ball washers and drinking fountains to be installed adjacent to the tee boxes.
- (5) the remodeling of sand traps.

The Report of the Printing Plant  
July 1, 1958--June 30, 1959  
S. A. Raymond, Director

During the report year, the Printing Plant has been able to reduce campus prices for printing by ten per cent and at the same time show a profit of \$8408. This profit is cash, not a paper profit. It is from off-campus business.

This has been accomplished through sound management, in spite of two wage increases for the craftsmen and other unavoidable increased expenses. A further reduction of five per cent will be made July 1, 1959. Of course, none of these campus price reductions affect the cost of paper and supplies, which remain outside the Printing Plant's control.

The profit will be put into the Plant's reserve fund as a safeguard against a future decrease in production.

The Printing Plant's plans for the near future are merely to continue giving its University customers quality work at the most reasonable prices possible, and to do even better work and more of it. Much of the volume of Printing, however, depends upon the number of manuscripts received from the University Press. For the last two years, the Printing Plant has been suffering from a famine of manuscripts.