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BULLETIN OF THE UNIVERSITY OF NEW MEXICO

CATALOGUE SERIES NO. 36, NO. 1.

WHOLE NO. 110

THE STATE UNIVERSITY OF NEW MEXICO

THE ONLY INSTITUTION IN NEW MEXICO ACCREDITED BY
COMMISSION ON HIGHER EDUCATION
OF THE NORTH CENTRAL ASSOCIATION OF COLLEGES
AND SECONDARY SCHOOLS.

THIRTY-SECOND ANNUAL CATALOGUE
1922-1923.

ANNOUNCEMENTS
1923-1924.

ALBUQUERQUE
PUBLISHED BY THE UNIVERSITY
SECOND QUARTER, 1923

PUBLICATIONS OF THE STATE UNIVERSITY OF NEW MEXICO

University publications are usually issued as Bulletins. These are arranged in a continuous series, numbered consecutively. The Bulletins are classified according to subject matter and each class is given a separate title and carries its own volume number. These classes issued to date are as follows:

CATALOGUE SERIES, VOLS. I-XXXIII; whole number 1-14, 40, 43, 46, 48, 50, 54, 55, 56, 59, 60, 64, 67, 70, 72, 74, 77, 78, 79, 80, 81, 82, 85, 86, 87, 90, 91, 92, 94, 96, 97, 98, 99, 100, 102, 103, 104, 105, 106, 107.

BIOLOGICAL SERIES, VOLS. I-III; whole numbers, 15, 16, 19, 22, 29-39, 44, 47, 49, 65, 95.

CHEMISTRY SERIES, VOL. 1; No. 1-2; whole numbers, 71, 75.

GEOLOGICAL SERIES, VOLS. I-III; whole numbers 17, 18, 20, 21, 23-28, 28a, 51, 76, 101, 108.

EDUCATIONAL SERIES, VOLS. I-II; whole numbers 41, 42, 52, 58, 61, 68, 69, 73, 83, 84, 89, 109.

LANGUAGE SERIES, VOL. I; No. 1-3; whole numbers 45, 53, 88.

PHILOSOPHICAL SERIES, VOL. I; No. 1; whole number 93.

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THE UNIVERSITY NEWS is published quarterly for the purpose of supplying news items about the University and of promoting public education.

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UNIVERSITY CALENDAR

SUMMER SESSION, 1923

June 11, 12, Monday and Tuesday, registration days.

June 13, Wednesday, class work begins.

July 4, Wednesday, legal holiday.

July 26, Thursday, Summer Session ends.

(See inside back cover.)

ACADEMIC YEAR.

1923-1924

First Semester.

September 11, Tuesday—Registration Day for students resident in Albuquerque and vicinity.

September 12, Wednesday—Registration Day for all other students.

September 13, Thursday—Instruction begins in all departments.

October 20, Saturday—Examinations for removal of conditions.

November 11, Sunday—Armistice Day.

November 29, Thursday—Thanksgiving Day, holiday.

December 21, Friday—Holiday Recess begins at 5 p. m.

January 3, Thursday—Instruction is resumed in all departments at 8 a. m.

January 21-25, Monday-Friday—Semester Examinations. Semester ends

Friday, January 25, 5 p. m.

Second Semester.

January 29, Tuesday—Registration Day for all students.

January 30, Wednesday—Instruction begins in all departments.

February 22, Friday—Washington's Birthday, holiday.

March 8, Saturday—Examination for removal of conditions.

May 30, Friday—Memorial Day, holiday.

May 31, June 2-5, Saturday—Thursday (noon) Semester Examinations.

Semester ends June 5, 5 p. m.

June 6, Friday, 10 a. m.—Commencement Exercises.

ORGANIZATION and ADMINISTRATION

ORGANIZATION.

The State University is organized as follows:
THE COLLEGE OF ARTS AND SCIENCES.
THE COLLEGE OF ENGINEERING.
THE GRADUATE SCHOOL.
THE EXTENSION DIVISION.
THE DIVISION OF HYGIENE, including the
STATE HEALTH LABORATORY.

THE BOARD OF REGENTS OF THE STATE UNIVERSITY.

HIS EXCELLENCY, THE GOVERNOR OF NEW MEXICO, Ex-
Officio.
THE STATE SUPERINTENDENT OF PUBLIC INSTRUCTION, Ex-
Officio.
NATHAN JAFFA, PresidentSanta Fe
JOHN A. REIDY, Secretary-Treasurer.....Albuquerque
ANTONIO A. SEDILLO.....Albuquerque
MRS. FRANCES NIXONFt. Sumner
CHARLES LEMBKEAlbuquerque

ADMINISTRATIVE OFFICERS OF THE STATE UNIVERSITY, 1922-1923.

President: DAVID SPENCE HILL, Ph.D., LL.D.
Vice-President: CHARLES ELKANAH HODGIN, B.Pd.
Dean of College of Arts and Science: LYNN BOAL MITCHELL, Ph.D.
Dean of Graduate School: JOHN DUSTIN CLARK, Ph. D.
Dean of College of Engineering: THOMAS TAYLOR EYRE, B. S. in
M. E.
Financial Secretary: Josephine S. Parsons, B. A.
Registrar and Executive Assistant: MERL COBB TAYLOR.
Record Clerk: KATHERINE DEARING.
Supervisor of Women: EDNA MOSHER, Ph. D.
Librarian: WILMA LOY SHELTON, B. A., B. L. S.
Proctor of Men's Residential Hall: HARRY L. DOUGHERTY, B. S.
in S. E.
Campus Superintendent: HARRY V. FRANK.

ALPHABETICAL LIST OF OFFICERS OF INSTRUCTION, 1922-1923.

HILL, DAVID SPENCE, B.A., (Randolph-Macon); Ph.D., (Clark University); LL.D., (State University of Kentucky); LL.D., (State University of Arizona), President.

BARNHART, CHARLES ANTHONY, B.A., M.A., (University of Illinois), Professor of Mathematics.

CAREY, CHARLES EDWARD, B.S., E.E., (University of Oklahoma), Associate Professor of Electrical Engineering.

CLARK, JOHN DUSTIN, B.S., M.S., (New Hampshire College of Agriculture and Mechanic Arts); Ph.D., (Leland Stanford Junior University), Dean of the Graduate School and Professor of Chemistry.

COAN, CHARLES FLORUS, B.A., (University of Washington); M.L., Ph.D., (University of California), Professor of History and Political Science.

DOUGHERTY, HARRY L., B.S., in S.E., (Pennsylvania State College); Assistant Professor of Civil Engineering.

ELLIS, ROBERT WALPOLE, B.S., (University of South Dakota); M. A., (University of Wisconsin), Professor of Geology.

EVERS, HELENE M., B.A., (Washington); M.A., (Missouri); Ph.D., (Bryn Mawr), Associate Professor of Romance Languages.

EYRE, THOMAS TAYLOR, B.S. in M.E., (Purdue University), Dean of the College of Engineering and Professor of Practical Mechanics.

FEASEL, FRED, B.S., (Ohio State University); M.A., (University of Chicago), Associate Professor of Economics and Business Administration.

HAUGHT, BENJAMIN FRANKLIN, B.A., (West Virginia); M.A., (Columbia); Ph.D., (George Peabody College), Associate Professor of Psychology and Education.

HESSLER, LEWIS BURTON, B.A., M.A., Ph.D., (University of Pennsylvania), Professor of English and Chairman of the Department.

HODGIN, CHARLES ELKANAH, B.Pd., (University of New Mexico); Vice-President and Professor of Education.

HUBBELL, GEORGE SHELTON, B.A., M.A., (Wesleyan); Ph.D., (Princeton), Assistant Professor of English.

JOHNSON, ROY WILLIAM, B.A., (University of Michigan); Certificat, (Université de Poitiers), Director of Department of Hygiene, and Manager of Athletics.

LUKKEN, JOHN, B.S. (Fremont College); B.M., (American Conservatory, of Chicago), Associate Professor of Music.

MITCHELL, LYNN BOAL, B.A., (Ohio State University); M.A., Ph.D., (Cornell University), Dean of College of Arts and Sciences and Professor of Greek and Latin.

MOSHER, EDNA, B.S., (Cornell University); Ph.D., (University of Illinois), Professor of Biology and Supervisor of Women.
ROCKWOOD, ROBERT SPENCER, B.S. (Denison); M.S., (University of Michigan). Professor of Physics.
SHELTON, WILMA LOY, B.A., B.L.S., (University of Illinois), Librarian and Assistant Professor of Library Science.
SIMPSON, MRS. WALTER, (Michigan Agricultural College), Professor of Home Economics and Supervisor of Dining Hall.

INSTRUCTORS AND ASSISTANTS.

COLLINS, WILLIAM, Student Laboratory Assistant in Biology.
FAW, JENNIE STEVENS, Instructor in Piano and Pipe Organ.
CRUMLEY, ELZADA, Student Assistant in Library and Post Office.
FOSTER, ELSIE M., B.A., (Oberlin College); M.A., (Colorado). Instructor in Biology, 1922-1923.
GEORGES, JAMES FRANK, Student Laboratory Assistant in Chemistry.
KIECH, VEON, Student Laboratory Assistant in Chemistry.
LIGHTON, MRS. IRENE FEE, Student Stock Room Assistant in Chemistry.
McCORMICK, KATHERINE, B.S., (State College of Mississippi); M.A., (Columbia University), Instructor in Physical Education and Hygiene of Women.
NICHOLS, LOUISE, Instructor in Piano.
OSUNA, ANITA M., B.A., (New Mexico), M.A.; (Stanford), Instructor in Romance Languages.
ROY, EDNA B.S., (University of New Mexico), Instructor in Home Economics.
RUSSELL, RUTH, Student Assistant in Library.
WILFLEY, VERNON B., Student Assistant in Physics and Electrical Engineering.

STAFF OF DIVISION OF HYGIENE AND STATE HEALTH LABORATORY.

JOHNSON, ROY W., B.A., (University of Michigan); Certificat, (Université de Poitiers), Director of Department of Hygiene.
GEORGE S. LUCKETT, M.D., State Director, Bureau of Public Health, Consultant.
CORNISH, P. GILLETTE, Jr., B.A., (Yale); M.D., (Columbia University); Medical Advisor of Men.
ELLER, CHARLES ASBURY, D.D.S., (Indianapolis University), Dental Advisor.
FRISBIE, EVELYN, M.D., Medical Advisor of Women.
GREENFIELD, MYRTLE, B.A., M.A., (University of Kansas), Bacteriologist in State Public Health Laboratory.

MCCORMICK, KATHERINE, B.S., (State College of Mississippi);
M.A., (Columbia University), Instructor in Physical Education
and Hygiene for Women.

CHESS, FLORA ELLA, B.A., (University of New Mexico), Technician
in State Public Health Laboratory.

OTHER EMPLOYES IN ADMINISTRATIVE OFFICE.

BOWMAN, WALTER, Secretary (Student Assistant) to President.

MCDOWELL, LOUISE, Bill Clerk (Student Assistant).

NELSON, HELEN, Clerk in Dining Hall (Student Assistant).

ADVISORY COUNCIL AND STANDING COMMITTEES OF THE UNIVERSITY

1922-1923.

The first named member of each Committee is Chairman. The President is ex-officio member of all Committees.

THE ADVISORY COUNCIL: President Hill, Vice-President Hodgkin, Deans Mitchell, Clark, Eyre, Supervisor of Women Mosher, Registrar and Executive Assistant Taylor.

ADMISSION AND STUDENT STANDING: Deans Mitchell, Eyre, Professors Hessler, Haught, Mosher, Registrar Taylor.

SCHEDULE AND CURRICULUM: Professor Barnhart, Dean Mitchell, Professors Coan, Dougherty, Miss McCormick.

STUDENT AFFAIRS: Dean Clark, Professors Ellis, Eyre, Johnson, Lukken, Mosher, Simpson.

AUDIT OF STUDENT ACCOUNTS: Professors Feasel, Carey, Miss Parsons, Registrar Taylor.

ELIGIBILITY: Professors Rockwood, Barnhart, Ellis, Johnson.

LIBRARY: Librarian Shelton, Professors Coan, Rockwood.

ATHLETIC COUNCIL (Faculty Representatives): Professor Coan, Deans Clark, Eyre.

LITERARY CONTESTS: Professor Hessler, Vice-President Hodgkin, Professor Carey.

HISTORY

New Mexico was acquired from Mexico by the treaty of Guadalupe Hidalgo, February 2, 1848, and held under military control until the first territorial legislature was assembled in 1850. During the early years of territorial existence conditions were unfavorable for educational development and little was accomplished in the scattering efforts to establish schools of any kind. The centres of population were small and far apart, in the sparsely settled territory of that day. Unfriendly Indians were a source of considerable annoyance to the citizens. The passing between New Mexico and the States was infrequent, mail coming at long intervals. The expense of getting teachers was great, and there was a disposition on the part of many citizens to oppose public education. In the face of this discouraging situation successive legislatures sent memorials to the Federal Congress, making strong appeals for direct government aid in establishing some kind of educational facilities in New Mexico. Congress early made land appropriations (which brought in no funds) and turned a deaf ear to every appeal, not making provision even for teaching English to the Spanish-speaking people gathered under the American flag.

Various inadequate school laws were passed by the territorial legislatures from time to time, but nothing was done to provide for higher educational institutions until 1889, when a bill was passed by the Legislative Assembly, creating the University of New Mexico, to be located at Albuquerque. The new institution was opened in rented rooms as a summer normal school, June 15, 1892, beginning regular instruction September 21, in the first building erected on the campus. The Honorable E. S. Stover, a member of the charter Board of Regents, was made the nominal president, and served five years. During this term Principal George S. Ramsay was in direct charge of the institution for two years, followed by Professor Hiram Hadley, Vice President in charge from 1894 to 1897.

The Board of Regents in the summer of 1897 elected Dr. C. L. Herrick, of Denison College in Ohio, as active president to take full charge of the University. President Herrick was a man of scholarly attainments in science and philosophy, and though in ill health he put into the science work new life which gave it an interest and impetus that meant continued growth. The great need for a science building, and the failure of the Legislature to provide for this need, prompted an effort on the part of President Herrick to solicit funds for a new building from friends of the institution. Mrs. W. C. Hadley made a gift of \$10,000 for a science hall, other smaller donations from New Mexico citizens were added to this amount, and in 1899 an excellent three story building was erected, and named the Hadley Laboratory.

About the same time a small gymnasium was built on the campus and physical training was made a part of the curriculum. President Herrick materially strengthened the teaching force of the University, and gathered about him a number of scientific students from the East and from New Mexico, giving to the small institution something of a college atmosphere.

In 1901 Dr. William G. Tight, a geologist, also from Denison College, was elected as successor to President Herrick, and served until 1909. Upon entering the work of the University and learning its needs, Dr. Tight found it necessary to sacrifice much of his professional scientific work to the duties of his executive office, into which he threw the vigor of his physical and mental energy for the larger interests of the institution. He conceived large plans for a greater University for New Mexico. The grounds were laid out with a thought of permanency, and hundreds of trees were placed in orderly arrangement as a start for a beautiful campus. A deep well was dug, a large windmill for motive power constructed, and an irrigating reservoir built, in an effort to furnish the abundance of water needed, on an economical basis. After studying and photographing various buildings in Indian villages throughout New Mexico, President Tight formulated plans for a distinctive type of University architecture, choosing a native style. A power house was first constructed on the new plan, and then dormitories—one for women, named Hokona, the Indian significance being virgin butterfly, and one for men, called Kwataka, or man-eaglet. The Administration Building, a large three-story structure and the first building on the campus, was remodeled on the lines of the adapted Pueblo plan, and an assembly room added and designated Rodey Hall, in recognition of the services rendered the University by the Honorable B. S. Rodey in the Territorial Legislature and the Federal Congress.

In 1909 Dr. E. D. McQueen Gray was chosen to succeed President Tight, and served until 1912. Dr. Gray, although a resident of the United States and of New Mexico for a number of years, had been educated in English universities and had spent time traveling in European countries. His scholarly attainments lay in the classics, modern languages, and history. He held also to English tradition in many features of university administration. The burning of Hadley Laboratory in 1910 made necessary the erection of a new building with very limited funds, to serve as a temporary science building. In its construction a deviation from the Pueblo type of architecture was introduced.

In 1912, President Gray was succeeded by Dr. David Ross Boyd, who brought to the position experience in educational work and university administration, having been for a number of years president of the University of Oklahoma, from its struggling days to its successful establishment as a thriving state institution. Upon election President Boyd began a study of the general educational situation in New

Mexico and the needs of the University. One of the first things to demand attention was the securing of a larger campus for immediate and future needs, while land could be purchased at a reasonable price. The Campus was extended from twenty-five acres to a tract of over three hundred acres. With a view to unity in the development of plans for the greater university, the administration secured the services of a landscape architect and an expert in city planning. The Department of Chemistry called for the first building under the new plans. The well was deepened and the capacity of the irrigation system sufficiently increased to supply the needs of the university grounds for many years to come. The entire frontage of the campus was levelled and terraced and planted, with grass, trees and shrubbery.

Several important changes were brought by the World War in the administration and the life of the University. The chief changes in administration were due to the change in the academic calendar by which four quarters running through the year were substituted for the old calendar of two semesters with the summer vacation—to which the University returned in 1920. This temporary change was brought about in the first instance by the necessity of accommodating the calendar of the University to numbers of men students who wished to take part in the movement for increased and intensified agricultural production during the spring and summer months of the year. Engagement in agricultural and industrial services and in military and naval forces of the nation had drawn practically all men students from the University by the opening of summer in 1918. Many graduates and former students were similarly engaged. But in October the establishment of a unit of the Students' Army Training Corps brought 160 men between 18 and 21 to the campus and classrooms of the institution. After the signing of the Armistice, however, the Students' Army Training Corps was demobilized at the close of the autumn session in December, and the University in the early months of 1919 returned to normal status as rapidly as permitted by after-war conditions in a thinly populated State which contributed liberally in men and resources to the national effort.

Upon the resignation of President Boyd, the Regents, in July, 1919, appointed as his successor Dr. David S. Hill who came from the position of Professor of Education at the University of Illinois. President Hill immediately entered upon his duties with characteristic energy, setting himself at the outset, and with greater success than had been attained at any previous time in the history of the institution, to win for the State University a high degree of community interest and cooperation. The new Hadley Hall which houses the Departments of Civil Engineering and Mathematics, and the extensive Metal Working and Wood Working Shops, as well as the Drawing Rooms, was completed in January, 1920. In the preceding month, President Hill launched with the help of the Chamber of Commerce of Al-

buquerque, a successful campaign to raise by popular subscription, a minimum of \$12,000 toward the initial expense of constructing and equipping a building unit for the Department of Home Economics. Friends and citizens of Albuquerque paid some \$17,000 toward this enterprise. The new building (Sara Raynolds Hall) costing about \$22,000, with full equipment is now in useful operation.

In that academic year the State University became the seat in New Mexico of the Department of Hygiene, for which the Federal government through the Interdepartmental Social Hygiene Board bore a part of the charge of maintenance. This Division now provides free physical examinations, instruction in hygiene, physical training for all University students, and preserves all of its records for statistical purposes. In December, 1919, a State Health Laboratory was also instituted at the University through the cooperation of the New Mexico Department of Health, to provide free service to poor citizens and to physicians and health officials in the examination of specimens submitted to it in the interest of the public health.

President Hill and the Board of Regents soon effected a reorganization in the administration of the University. In addition to the Vice-President and the Dean of the College of Arts and Sciences, a Dean of the Graduate School and an Acting Dean of the College of Engineering were also appointed, all of whom, however, were teaching professors. To the work of the Registrar was added the duty of an Executive Assistant with functional activities appropriate to this two-fold office. A General Supervisor of Women has also been added. These officers make up an Advisory Council to assist the President in matters of administration. During the first year the finances of the institution were improved, an adequate requisition, purchase-order, and internal budget-system was enforced, the salaries of all members of the Faculty were increased and many vacancies were filled. Further, the Board of Regents formally adopted the principle, that the President of the University shall be employed as an active executive manager working under the direction of the Board, and, at the same time, as colleague and captain of the Faculty.

The building activities begun by President Hill have continued, aided by gifts and by small investments from the Lands' Income Fund of the University. During the past four years an Extension to the Women's Residential Hall and an enlargement of the parlor of the Hall, the Korber Wireless Station, the large Grand Stand on the Athletic Field, certain improvements in the facilities of the Men's Residential Hall, and one entirely new Residential Hall, have been completed and paid for without incurring debt.

Evidence of increasing faith in the State University is found both in the excellent quality of students now in attendance, and also in gifts from citizens, which gifts continue. For example, note the C. T. French Prize for Scholarship, the Katherine Mather Simms Prize for English, the George E. Breece Prize for Engineering. Mrs. Jacob

Korber initiated the movement for a wireless station by a cash gift of five hundred dollars. Various materials for the plant were given by other friends of the University. Mr. George A. Kaseman gave another five hundred dollars in cash, this sum toward the furnishing of the Women's Residential Hall. Mr. Arthur Prager gave a vacuum cleaning outfit and fifty dollars in cash, Mr. Frank Strong furnished the new parlor and also gave fifty dollars. Mr. Frank Mindlin donated a complete silver service to the Home Economics Department. For a Grand Stand Mr. Bruno Dieckman collected some \$650 from friends of the University, President Hill solicited about an equal amount and some eighty students working under the direction of Dean Eyre erected the commodious Grand Stand within three days' time. The Press tells of a legacy of \$15,000 left by the late Byron H. Ives, this sum to be held in trust in order that the interest may be used for scholarships for deserving young women enrolled in the State University. During December, 1922, a friend gave anonymously \$500 for enlargement of the wireless station.

The results of the policies of the Board of Regents in operation during the past three years and the needs of the State University were thus summarized by President Hill in a report to the Governor in December 15, 1922:

TWELVE POINTS OF INTEREST.

American states make it a proud tradition, and law, to support a university. New Mexico now has no reason to be ashamed of its State University. However, its splendid progress under the present Regents and Faculty, should not close our eyes to the present dire needs of the institution, when we consider its progress.

During the past two years the State University of New Mexico has progressed encouragingly with reference to academic standing, size of enrollment, erection of buildings and improvements without debt, and with regard to financial economy notwithstanding the unparalleled growth of the institution.

Friends of education will please note the following twelve points of interest:

(1) One signal achievement of the year was the accrediting of the State University of New Mexico by the Commission on Higher Education of the North Central Association as a college and university of standard grade. It is the only institution in the State thus accredited.

(2) The Faculty includes men and women possessing credentials of adequate graduate training from universities, such as Columbia, Cornell, Clark, Stanford, California, Wisconsin, Michigan, Illinois, Ohio, Chicago, Pennsylvania, Princeton, and Bryn Mawr.

(3) Codes of student conduct have been adopted, and the morale of the institution is excellent.

(4) In September, 1922, the State University opened with an increased enrollment of college students of more than twenty per cent. Tables published elsewhere show that the total net enrollment of all students of the University, including those of the Summer Session, rose to seven hundred and seventy—and no preparatory students have been enrolled by the University.

(5) Careful use of funds from land income, fees, and gifts has made possible the completion or erection, without debt, of four new buildings during the past three years, namely, an engineering building, two residential halls for women, a home economics building, a grand stand, and a powerful wireless station.

(6) The importance as well as the limitations of the present plant necessitate the early erection of a new central heating plant, a library and auditorium, a residential hall for men, gymnasiums, and a retaining wall. These needs were referred to in our report to the Governor's Commission on April 22, 1922. Competent engineers warn us that the worn-out and outgrown central heating plant will not function during another winter. Its condition is a menace to property and life.

(7) A serious financial loss to the University was the withdrawal in 1921 of the annual appropriation of \$6,600, received from the Interdepartmental Social Hygiene Board of the Federal Government, the work of which has been discontinued by Act of Congress.

(8) An encouraging symptom is the tendency of not a few publicly minded citizens to make contributions to the State University, most of which gifts, however, have been small.

(9) While the establishment of no new departments in the University is contemplated for the immediate future, owing to the relative poverty of the State, nevertheless, the imperative need of maintaining the integrity of our instruction, which functions to prepare the youth of the State for leadership in the production of wealth, citizenship, culture, and Americanism, is felt deeply by the management of the institution. Several departments will have to employ additional assistants, as, for example, the Departments of English, Economics and Business Administration, History and Political Science, Education, Mathematics, Chemistry, Spanish and French, and in Engineering.

(10) **Maintenance.** In asking for an appropriation of \$105,000 for the year 1923-24, and of \$108,000 for the year 1924-25, the State University is requesting an increase of little more than twelve per cent for the biennial period, notwithstanding the greatly increased enrollment and the elevated standards of work. It is not to be forgotten that the eight or nine per cent of increase made by the last Legislature for the University was quite small as contrasted with the percentages of increase granted other educational institutions of the State, the good fortune of which, however, is not begrudged by the University.

(11) **Permanent Improvements.** The Supplements contained in the Commission Report show the immediate needs of the State University with regard to permanent improvements. A grave emergency exists in the matter of the heating-plant. The whole estimate, \$331,000, is extremely conservative and might be provided by means of a moderate bond serial issue to cover this cost and that of the similar needs of other state institutions doing good work.

(12) During no time of the past three, trying years has the State University incurred any deficit. The promise of valuable service to the State as well as the reward of efficiency warrant a more liberal apportionment of the tax-receipts for the support of the University.

SITUATION AND ENVIRONMENT

Albuquerque, the most populous city in New Mexico, and the commercial capital of the State, is the seat of the State University. The situation of the City, at an altitude of 5,000 feet, is admirable. It occupies the center of a strip of highly fertile land on the left bank of the Rio Grande—the Rio Grande del Norte of the Spanish discoverers. On the Mesa, or elevated plateau, about a mile east of the City, stand the fifteen buildings of the University, overlooking the wide valley of the Rio Grande. The pure air of the Mesa, bracing and invigorating, surrounds the spot, and lassitude and depression are almost unknown in this atmosphere. Extremes of temperature, whether of heat or cold, which not infrequently impede the progress of educational work in other localities, seldom visit this part of New Mexico.

The New Town of Albuquerque—for there is also an Old Albuquerque, dating from the times of the first Spanish settlers, and still typically Spanish in appearance—is an essentially modern city, with paved streets, concrete sidewalks, electric light, street railway, two daily newspapers, and important mercantile and manufacturing establishments.

Albuquerque is the greatest educational center of the State, possessing in addition to the State University many denominational schools, and the public school system of the City compares favorably with the systems of much larger eastern towns. All the leading religious denominations are effectively represented; and the members of all churches gladly welcome university students to share in their religious and social life. The State University's position in regard to religion is non-sectarian, but the students are encouraged to attach themselves to the religious organizations with which their families are connected.

Albuquerque lies on the main line of the Atchison, Topeka & Santa Fe Railway system, at the junction of the lines to El Paso and Mexico on the south, Arizona and California to the west, the Pecos valley and southwestern Texas to the east, and through Colorado to Kansas City and Chicago to the north, so that it enjoys railroad facilities unequalled by any other town in this region. The advantageous position of the City on the main line of passenger traffic east and west, furnishes to the citizens many opportunities of seeing and listening to persons of distinction in almost every department of public effort; and lectures and addresses, concerts and plays, musical and literary gatherings occur throughout the year.

AIM, SUPPORT, AND GOVERNMENT

The State University of New Mexico is the culmination of the educational system of the State. The State University is closely connected with high schools in the same way as the high schools are related to the grade schools. The relation between the State University and accredited high schools is such that the graduates from the latter may enter the University on a certificate plan in much the same way as graduates of the grammar school may pass to the first year of high school, as easily and naturally as possible.

The State University encourages scholarship and learning and the application of scientific knowledge to the arts of life. Its aim is to place the resources of the University, so far as possible and with the least possible restriction, at the disposal of any qualified person who desires and has sufficient qualifications to use them. Training for leadership in true American citizenship as well as in the arts, sciences, and professions, is constantly kept in view as a goal.

The State University is supported by the income from the proceeds of the sale of lands granted to it by the Federal Government on New Mexico's becoming a state, together with the income from leases and other uses of land. During the past two years considerable money has been contributed to the State University by friends. Its chief support, however, is that of appropriations made for its maintenance by the State Legislature. The annual appropriations for the Tenth and Eleventh Fiscal Years were \$92,500 for each of the two years.

The government of the University is vested in a Board of Regents who possess the powers to accomplish the objects of the University's establishment and to perform the various duties prescribed by law. Five regents are appointed by the Governor of the State; the Governor and Superintendent of Public Instruction are ex-officio members of the Board. The Regents have delegated to the President of the University the power of naming all officers, instructors, and employees of the institution. These appointments and all faculty rules regarding the government of the students are subject to the approval of the Board. The University Faculty exercises authority, subject to the approval of the President and the Board of Regents, in educational policy, scholastic standards, and disciplinary matters relating to the University.

BUILDINGS

At the southwest corner of the campus is the **ADMINISTRATION BUILDING**. This, the oldest building on the campus, was remodeled some years ago to conform with the adapted Pueblo style of architecture. The ground floor contains a rest room for women students, and a part of the stacks of the Library. The first floor houses the administration offices, and the reading rooms and the remainder of the stacks of the Library. The two upper floors are given up to classrooms, departmental offices, and to the Psychological Laboratory.

On the roof are the instruments of the local station of the U. S. Weather Bureau, maintained through the co-operation of the Albuquerque Chamber of Commerce and the State University.

Directly north stands **RODEY HALL**, an exact replica of the centuries-old Pueblo church at Taos, New Mexico. It has a seating capacity of five hundred, and is used for all assemblies and public lectures.

Further to the north and west is the **POWER HOUSE**, the heating plant which supplies all the buildings on the campus. It also is constructed in the adapted Pueblo style.

North and east of the Power House is the **ENGINEERING BUILDING**, known as the **HADLEY HALL**, containing over eleven thousand square feet of floor space. The building contains metal and woodworking shops, stock rooms, drawing rooms, class rooms, and offices.

To the east is the **UNIVERSITY COMMONS**, a frame building which contains a dining room with seating capacity of one hundred seventy-five, kitchen, and attendants' quarters.

Just east of this building is **SCIENCE HALL**, a one-story cement structure having laboratories, classrooms, a lecture room, and departmental offices for Electrical Engineering, Geology, and Physics.

Adjacent to the Science Hall, and destined to be of great service to this region, are the lofty towers of the **KORBER WIRELESS STATION**.

The **CHEMISTRY BUILDING**, north of Science Hall, is of the adapted pueblo style of architecture with an open patio in the center. It has laboratories, lecture rooms, and classrooms, as well as stockrooms and departmental offices for Chemistry, Animal Biology, Botany and Hygiene.

Facing these buildings on the east stand the MEN'S and the WOMEN'S RESIDENTIAL HALLS, both examples of the adapted pueblo architecture. They are divided into suites of rooms, each consisting of a study and two bedrooms and intended for two or three students. A substantial Addition was completed in 1921 and is now in use. Single rooms, each intended for one woman student, are provided in this Addition. The excellent, new RESIDENTIAL HALL for Women faces the Sandia Mountains and was completed in the Spring of 1923.

East of the Women's Residential Hall is the WOMEN'S GYMNASIUM, and further to the south are the MEN'S GYMNASIUM and the SWIMMING POOL. Considerably to the east of the main campus are the ATHLETIC FIELD and the UNIVERSITY FIELDHOUSE for the use of the athletic teams. These three buildings are frame structures, but are well provided with showers, lockers, dressing rooms, apparatus, and floor space for training classes and indoor athletic sports. The MEN'S GYMNASIUM contains the examination room and departmental office for Physical Education.

Upon the ATHLETIC FIELD is the GRAND STAND, erected recently by the labor of students working under the direction of the Engineers.

THE SARA RAYNOLDS HALL, used exclusively by the Home Economics Department, was erected through the philanthropy of citizens and friends of Albuquerque, and was named in honor of the mother of Mr. Joshua Raynolds, who donated five thousand dollars for the purpose of providing equipment for the same. This building stands between the Men's Gymnasium and Central Avenue and is a unit of a still larger structure planned for the future.

In addition there are the UNIVERSITY HOSPITAL, the STUDENTS' VARSITY SHOP, the STUDENTS' PUBLICATION OFFICE, and several smaller buildings.

The PUBLIC HEALTH LABORATORY of the University and of the State Bureau of Public Health, is located temporarily in the Chemistry Building.

THE LIBRARY

The University Library is housed in the Administration building and contains 24,864 bound volumes and pamphlets, bulletins and publications of many learned societies. Current and bound periodicals, the leading newspapers of New Mexico and certain other newspapers are on file. The Library is also a depository for publications of the United States Government and contains 6,500 bound and 8,440 unbound government publications.

Two special collections are included as a part of the Library. The New Mexico Collection, including printed material on the history of the State, at present contains 305 volumes. The College Publication Collection, comprising the catalogues and announcements of other educational institutions, numbers 4,000 volumes.

The Library has been enriched by the valuable gift from a friend of the University of 170 volumes in Spanish, Latin, Italian and French, dating from 1533 to 1803. The books treat of law, theology, medicine, architecture and various other phases of human knowledge. One of the most beautifully illustrated works of the collection is the "*Architettura universale di Vincenzo Scamozzi*." To insure its protection, the collection has been placed in a steel case in the library. A printed catalogue facilitates greatly the use of the books.

The resources of the Library are also made available to the people of the State through extension work. Loans of books are made to individuals on proper conditions and payment of postage, and traveling libraries are sent for periods of four months each to communities having no library facilities. Fifty-five package libraries have been organized primarily for the use of club women; of teachers for class work; of high school students for debates, orations and themes; or of individuals desiring help in the preparation of papers and speeches. Every effort is made to furnish the applicant with articles on the topics desired.

The Library is open every day except Saturday and Sunday from 8 a. m. to 5 p. m.; on Saturday from 8 a. m. to 12 m.

ADMISSION TO THE UNIVERSITY

METHODS OF ADMISSION.

Students are admitted either upon examination at the University or upon presentation at the University of certificates from accredited schools, except that adult special students are admitted in accordance with the provisions stated under the Admission of Adult Special Students.

All secondary schools in New Mexico accredited by the State Department of Education and all other secondary schools in other States accredited by their State Universities are **ipso facto** accredited by the State University of New Mexico. Other applicants, except Adult Special Students, are subject to entrance examinations.

Fifteen units of acceptable subjects earned in accredited high schools admit the holders thereof to the Freshman Class whenever the course of study pursued meets the entrance requirements of the College in which the student desires to matriculate.

Students, desiring to enter on the certificate plan, will submit certificates prior to Registration Day.

ADMISSION TO THE COLLEGES.

The requirements for admission are stated in terms of units. The term "unit" means the completion of a course of study consisting of five recitation periods of at least forty minutes each per week during thirty-six weeks. A laboratory or other practice period should extend over at least two consecutive recitation periods and is considered the equivalent of one recitation.

UNIFORM REQUIREMENTS OF ADMISSION.

Fifteen units of subjects acceptable toward entrance are invariably required for admission to either undergraduate college, and must include **List A**, as follows:

English	3 units
Algebra	1 unit
Plane Geometry	1 unit
Total	5 units

FOR ADMISSION TO THE COLLEGE OF ARTS AND SCIENCES.

List A (see above)	5 units
History, including Civics	1 unit
Foreign language, in one language	2 units
Laboratory Science	1 unit
Total prescribed	9 units
From List B (see below)	2-6 units
From List C (see below)	0-4 units
Total	15 units

CONDITIONED ENTRANCE.

Students, who offer for admission to the College of Arts and Sciences a total of fifteen units in subjects acceptable for entrance but who lack not more than two units of the prescribed subjects (except List A), are admitted as conditioned Freshmen. This condition may be removed by the end of the first year of residence by taking extra courses in the subjects in which they are deficient at the ratio of one three-hour course for each unit of deficiency. Courses thus required to cancel entrance deficiencies cannot be counted toward fulfilling group requirements for graduation, but are counted as electives towards a degree.

FOR ADMISSION TO THE COLLEGE OF ENGINEERING

List A (see above)	5 units
Other acceptable subjects	10 units
Total	15 units

While ten of the fifteen units required for entrance may be offered in subjects acceptable for entrance, subject to certain limitations (see below), the following subjects are recommended (but not prescribed) for students who expect to matriculate in the College of Engineering:

Solid Geometry	$\frac{1}{2}$ unit
Intermediate Algebra	$\frac{1}{2}$ unit
Foreign language, one language	2 units
English, fourth year	1 unit
Physics	1 unit
History, including Civics	1 unit

List B.

Limitations.—Not more than four units will be accepted from any one group in List B except in the case of foreign languages, including the amounts of that group prescribed and elective.

1. English Grammar and Composition, English and American

Literature 3 units

Additional Composition, English or American Literature 1 unit

(Note.—In the case of foreign students, their native language and literature will be accepted in lieu of the above requirement of English, if equal to this requirement in nature and amount. When this substitution is made, a reading and speaking knowledge of English is to be offered to meet the requirement of two units in a foreign language.)

2. Group of Foreign Languages.

Six units is the maximum accepted from the group.

French 1-4 units

German 1-4 units

Greek 1-3 units

Latin 1-4 units

Spanish 1-4 units

Other foreign languages 1-4 units each

3. Group of History, Government, and Economics.

Ancient History 1-2 - 1 unit

Medieval and Modern History 1-2 - 1 unit

American History 1-2 - 1 unit

English History 1-2 - 1 unit

Civics 1-2 unit

Economics 1-2 - 1 unit

4. Group of Mathematics.

Algebra to Quadratics 1 unit

Algebra, completed 1-2 unit

Plane Geometry 1 unit

Solid Geometry 1-2 unit

Algebraic Theory, advanced 1-2 unit

Trigonometry 1-2 unit

5A. Group of Laboratory Sciences.

Physics 1 unit

Chemistry 1 unit

Physical Geography 1-2 - 1 unit

Botany 1-2 - 1 unit

Zoology 1-2 - 1 unit

Physiology-Biology 1 unit

5B. Group of Non-Laboratory Sciences.

Any of the above if given without adequate laboratory work, and the following:

General Science 1-2 - 1 unit

Astronomy 1-2 unit

Psychology 1-2 unit

List C.

The maximum amount that may be offered from this list for entrance to the various Colleges of the University is four units. The maximum that will be accepted in any one subject contained in the group is shown below:

Agriculture	1-2 - 2 units
Home Economics (Domestic Science)	1-2 - 3 units
Industrial Subjects	1-2 - 2 units
Manual Training and Arts	1-2 - 2 units
Commercial Subjects	1-2 - 4 units
Music	1-2 - 2 units

OPTIONAL SUBJECTS: Other subjects completed in accredited high schools will be considered on their merits.

COURSES ACCEPTED FOR ADMISSION.**1. GROUP OF ENGLISH.**

Three units required. Four units accepted.

Composition.—All students who expect to attend college should be urged to take English four years. As much practical work should be given as is consistent with conscientious correction, but quality, rather than quantity should be insisted on. Subjects for themes should be drawn from the pupil's own knowledge and experience and not exclusively from literature.

The connection between grammar and punctuation should be stressed through the entire course, and a review of formal grammar given in the fourth year. The work for the first two years may profitably be based on C. H. Ward's **Sentence and Theme**, and **Theme Building**.

Reading.—Half of the time devoted to English is to be given to the study of literature. The readings should be chosen from the books and authors suggested by the National Conference on Uniform Entrance Requirements in English, preference being given to writers of major importance.

The aim of the work in literature is to teach the student how to read and to cultivate his taste. He should be taught to look on a classic as a living document, and to see that the main problems of writing do not vary from age to age. Attention should be given to the classical and Biblical influences in English literature, and such a book as Gayley's *Classic Myths in English Literature* may profitably be incorporated into the course.

All of the important types of literature should be studied, emphasis being laid on poetry, drama, and prose narrative, specimens of each of which, graded according to the student's capabilities, should be read in each year. It is especially important that the study of poetry be commenced in the first year, and that the essentials of versification be taught.

Selections from American authors and the history of American literature may occupy part of the second and third years. The history of English may profitably come in the fourth year.

2. GROUP OF FOREIGN LANGUAGES.

For admission to the College of Arts and Sciences two units in one foreign language should be offered. The students, who are deficient in this requirement, may be admitted conditionally. See page 25 for Conditioned Entrance.

For admission to the College of Engineering a modern language is recommended. A maximum of six units may be offered from this group for admission.

1. French, German, Spanish.

Pupils should be trained to understand spoken language and to reproduce freely, in writing and orally, what has been read. Whatever method of teaching is used, however, a thorough knowledge of grammar is expected.

First year's work.—Pupils should learn to read intelligently and with accurate pronunciation simple prose, to translate it into idiomatic English, and to answer easy questions on the passage read. A few short poems may well be memorized. Elementary grammar should be mastered up to the subjunctive as arranged in most books for beginners. Easy prose composition rather than the writing of forms will be the test of this grammatical work.

Second year's work.—About 150 pages of modern writers should be read, preferably material which lends itself readily to conversational treatment in the classroom. Recitations should afford constant oral and written drill on the elementary grammar of the previous year. More importance is attached to accuracy and facility in simple modes of expression than to theoretical knowledge of advanced syntax.

Third year's work.—Most of the time should be devoted to good modern prose. There should be work in advanced prose composition—based on models in the foreign language—and daily oral practice. Pupils ought by this time to understand the spoken language fairly well.

Fourth year's work.—The reading should be divided about equally between modern and classical authors. At the end of this year a pupil should be able to read at sight prose or verse of moderate difficulty. He should also express himself orally or in writing with considerable readiness and a high degree of accuracy. Composition should include both free reproduction of the texts studied, and translations of English selections.

2. Greek.

First year's work.—The exercises in any of the beginning books, and one book of the *Anabasis* or its equivalent.

Second year's work.—Two additional books of the *Anabasis* and three of Homer, or their equivalent, together with an amount of Greek prose composition equal to one exercise a week for one year.

3. Latin.

The requirements for admission in Latin are those recommended by the College Entrance Board for 1923-1925, as follows: (a) In grammar and composition a knowledge of forms and syntax sufficient for writing simple Latin prose. (b) In reading, the amount shall be not less than Caesar: *Gallie War*, I-IV; Cicero; six orations; and Vergil: *Aeneid* I-IV, and shall be chosen from Caesar (complete), Nepos, Cicero (Orations, Letters, and *De Senectute*) Sallust, Ovid, and Vergil. Out of the above, the following reading is prescribed: Cicero: Fourth Oration against Catiline and the Oration for the Manilian Law; Vergil: *Aeneid* I and IV, and Ovid: III. 1-137; IV. 55-166; IV. 663-764; VI. 165-312; VII. 193-235; X 1-77; XI. 85-145. (c) Sight translation should be performed of prose and verse of such difficulty as the scope of the above would justify.

3. GROUP OF HISTORY, GOVERNMENT AND ECONOMICS.

A maximum of four units is accepted from this group towards admission.

1. History.

Each year's work should cover some standard high school text, together with a book of readings and the drawing of maps. The McKinley Outline Topics are recommended as providing excellent material for map work, as well as giving outlines, references, illustrations, and additional source materials for collateral reading. It is advisable that students present their map work and note books upon entering the University.

The following text and source books are indicated as examples of the amount and character of the material for each unit.

A. Ancient history.—Botsford: *History of the Ancient World* (Macmillan); West: *The Ancient World* (Allyn and Bacon); Wolfson: *Essentials of Ancient History* (American Book Co.); Davis: *Readings in Ancient History* (Allyn and Bacon); G. W. and L. S. Botsford: *Source Book of Ancient History* (Macmillan); Breasted: *Ancient Times* (to 800 A. D.); Breasted and Robinson: *Outlines of European History* (to 1700).

B. Mediaeval and modern history.—West: *The Modern World* (Allyn and Bacon); Harding: *Essentials in Mediaeval and Modern History* (American Book Co.); Robinson: *Readings in European History*,

abridged edition (Ginn); Ogg: Source Book of Mediaeval History (American Book Co.); Robinson: Mediaeval and Modern Times (800 to present); Robinson and Beard: Outlines of European History, vol. 2 (1700—).

C. English history.—Cheyney: Short History of England (Ginn); Andrews: History of England (Allyn and Bacon); Walker: Essentials of English History (American Book Co.); Cheyney: Reading in English History (Ginn); Tuell and Hatch: Selected Readings in English History (Ginn.)

D. American history.—Muzzey: American History (Ginn); James and Sanford: American History (Scribner's); Muzzey: Readings in American History (Ginn); James: Readings in American History (Scribner's) Hart: Source Book of American History (Macmillan); Forman, S. E.: Advanced American History (Century Co.).

If only one year's work is offered in high school, American History is recommended; if two years', Ancient and American; if three years', Ancient, Mediaeval and Modern, and American; if four, the order should be Ancient, Mediaeval and Modern, English, and American.

2. Government and Economics.

Civics.—This course must not be confined to the study of the form of our government, but must investigate the functions that it performs and the manner in which it performs them. Only modern texts should be used. Among the best of these are: Beard and Beard: American Citizenship (for first-year courses); Garner: Government in the United States; and Guiteau: Government and Politics in the United States; Forman, S. E.: Essentials in Civil Government (American Book Co.); Forman, S. E.: Advanced Civics (Century Co.).

Economics.—The instruction for the first half unit should represent a general survey of industrial society, its structure, its institutions, and its operations. For one unit of entrance credit the student should be familiar with the principles of value, including those determining rent, wages, interest, and profit in our pecuniary organized society. One half or one unit.

4. GROUP OF MATHEMATICS.

One unit in Algebra and one of Plane Geometry are required for entrance to either College. A maximum of four units may be offered from the group.

1. **Algebra.**—One unit. Elementary Algebra through simple Quadratics, including the elementary operations of polynomials and fractions, the solution of linear equations, factoring, powers, and roots.

2. **Algebra.**—One and one-half units. Complete elements of algebra and thorough work in quadratic equations, surds, exponents, and graphs, such as is given in standard textbooks.

3. **Plane Geometry.**—One unit. The work in Plane Geometry, in order to be acceptable, must cover a whole year's work in a good text and should include the applications of algebra to geometry and geometry to algebra.

4. **Solid Geometry.**—One half unit. The work, to be acceptable, must cover one-half of a year's work in such texts as that of Wentworth or Wells.

An additional one-half unit in advanced algebra beyond 2, outlined above, and one-half unit in trigonometry will be acceptable only upon the approval of the Department of Mathematics.

5. GROUP OF SCIENCES.

A. Laboratory Sciences.

1. **Physics.**—One unit. One year's high school work covering the elements of physical science as presented in the best of the current high school textbooks of physics. Laboratory practice in elementary quantitative experiments should accompany the textbook work. The candidate's laboratory notebook should be presented as part of the requirement.

2. **Chemistry.**—One unit. The instruction must include both textbook and laboratory work. The work should be so arranged that at least one-half of the time shall be given to the laboratory. The course as it is given in the best high schools in one year will satisfy the requirements of the University for the one unit for admission. The laboratory notes, bearing the teacher's endorsement, should be presented as evidence of the actual laboratory work accomplished.

3. **Physical geography.**—One-half or one unit. The time should be distributed in the ratio of three recitations and two double periods of laboratory work per week. When offered to meet the requirement in laboratory science, the applicant should present certified statement of teacher or principal, showing the nature and amount of work done.

4. **Botany.**—One-half or one unit. A familiar acquaintance with the general structure of plants, and of the principal organs and their functions, derived to a considerable extent from a study of the objects, is required; also a general knowledge of the main groups of plants; and the ability to recognize the more common species. Laboratory notebooks and herbarium collections should be presented.

5. **Zoology.**—One-half or one unit. The instruction must include laboratory work equivalent to four periods a week for a half-year, besides the time required for textbook and recitation work. Notebooks and drawings must be presented to show the character of work done and the types of animals studied. The drawings are to be made from the objects themselves, not copied from illustrations, and the notes are to be a record of the student's own observation of the animals examined. The amount of equipment and the character of the surroundings must of course determine the nature of the work done and the

kinds of animals studied; but in any case the student should have at least a fairly accurate knowledge of the external anatomy of each of eight or ten animals distributed among several of the larger divisions of the animal kingdom, and should know something of their life histories and of their more obvious adaptations to environment. It is recommended that special attention be given to such facts as can be gained from a careful study of the living animal. The names of the largest divisions of the animal kingdom, with their most important distinguishing characteristics, and with illustrative examples, selected when practicable, from familiar forms, ought also to be known.

6. Biology-Physiology.—One unit. A profitable year's work may be done, consisting of a half-year of Zoology as described above, and a half-year of Physiology. There should be laboratory work throughout, with carefully kept notebooks which should be presented when this combination course is offered to satisfy the requirement of one unit of laboratory science. The laboratory work in physiology should consist of demonstrations and simple experiments. The compound microscope should be used occasionally, but studies of gross structures are more important. A large place in the course should be left for such practical topics as diet, sanitation, and personal hygiene.

B. Non-Laboratory Sciences.

Four units are the maximum amount acceptable from groups 5A and 5B combined towards admission to the University. Group 5B consists of any of the subjects in 5A, if taught without laboratory work, and also the following:

1. General science.—One-half or one unit. Intended for the first year of high school. Hessler, or Caldwell and Eikenberry is recommended as a textbook.

2. Astronomy.—One-half unit. In addition to a knowledge of the descriptive matter in a good textbook, there must be some practical familiarity with the geography of the heavens, with the various celestial motions, and with the positions of the heavenly bodies conspicuous to the naked eye.

3.—Psychology.—One-half unit is allowed for the completion of some such textbook as Halleck; Psychology and Psychic Culture, or Pillsbury; Essentials of Psychology.

LIST C.

This list consists of various industrial subjects and Music. A maximum of four units is acceptable from the subjects contained in this list. The amount that is acceptable in each subject of the list is also to be noticed.

1. Agriculture, 1-2 - 2 Units.

The courses under this head may consist of Agronomy, Crops, Horticulture, Irrigation, Animal Husbandry, etc. There should be lab-

oratory work given as a part of each course, and notebooks should be presented.

2. Home Economics (Domestic Art and Science). 1-2 - 3 Units.

(a) An equivalent of 180 hours of prepared work in foods, with at least two recitation periods a week. (b) An equivalent of 180 hours of prepared work in clothing, with at least one recitation period a week. (c) An equivalent of 180 hours of prepared work on the home with at least two recitation periods a week. (Two periods of laboratory work are considered equivalent to one period of prepared work.) Of the foregoing (a) will be accepted as a unit's work; or two half units taken from (a) and (b), or (a) and (c), or (b) and (c) will be accepted as a unit's work. The work is to be done by trained teachers, with individual equipment for students.

3. Industrial Subjects. $\frac{1}{2}$ -2 Units.

4. Manual Training and Arts. $\frac{1}{2}$ -2 Units.

1. **Drawing.**—Free-hand or mechanical drawing, or both. Drawing books or plates must be submitted. The number of units allowed depends on the quantity and quality of the work submitted.

2. **Bench, lathe, and forge.**—The number of units allowed depends upon the amount and quality of work done and the evidence of the work completed should be submitted.

5. Commercial Subjects. $\frac{1}{2}$ -4 Units.

1. **Bookkeeping.**—One unit. This unit should consist of a working knowledge of double entry bookkeeping for the usual types of business. The student should be familiar with commercial papers, checks, notes, drafts, bills of lading, etc., that are used as evidences for journal entries. The student should be drilled in the making of profit and loss statements and of balance sheets and should be able to explain the meaning of the items involved therein. The work should be done under the immediate supervision of a teacher and the student should devote to it at least ten periods of not less than forty minutes full time in class each week for one academic year.

2. **Business Law.**—One-half to one unit. The fundamental legal principles governing the business relations of men should be presented in this course by means of simple, concrete examples and problems so far as possible. While no attempt should be made to present the intricate phases of the subject, the student should not be led to believe that he has mastered the whole of the law as applied. The recommended text for this work is Huffcut: Essentials of Business Law.

3. **Commercial arithmetic.**—One-half unit.

4. **Commercial geography.**—One-half or one unit. The amount and character of the work accepted in this subject is indicated by the scope of textbooks such as Adams: Elementary Commercial Geography;

Brigham: Commercial Geography; Macfarlane: Commercial and Industrial Geography; Redway: Commercial Geography; Robinson: Commercial Geography; and Trotter: Geography of Commerce.

5. **Stenography.**—One-half to two units.

6. **Typewriting.**—One unit when offered with stenography.

6. **Music.** $\frac{1}{2}$ -2 Units.

1. **Elements of composition; harmony and structure.**—One-half to one unit. Harmonic series. Intervals. Erection of the three primary triads. Root positions and doubling in major. Formation of scales. Relations of scale constituents to root and their tendencies. Consonance and dissonance. Chord connection in four parts. Harmonizing of melodies. Elements of melodic construction; cadence; phrase and double phrase. Minor mode. Secondary triads and their use. Other sevenths (within the key). Suspension and retardation. Modulation (simple). Anticipation and embellishment.

2. **Instrumentation and vocal technique.**—One-half to one unit. Ability to perform with satisfactory technique and intelligent interpretation one or more numbers in one of the following sections: (a) piano-forte: Bach: Well-Tempered Clavichord; Prelude or Fugue; 2 and 3 part inventions; Mozart or Beethoven: a sonata; Chopin: a study, nocturne, or prelude of moderate difficulty; (b) violin: Bach, Handel, Mozart, Beethoven: a sonata; Rode, Fiorillo; a study of moderate difficulty; Viotti, Spohr: a concerto; (c) orchestral instruments: similar ability to perform on any orchestral instrument; (d) voice: Bach, Mozart, Schubert, Schumann, Brahms, Franz, Wagner, Handel, Hayden, and standard American and British composers; songs; or an aria by an old Italian master.

In order to obtain entrance credit for voice or any instrument, the candidate must submit to an examination, given by the department concerned, on one of the above numbers or a similar one and upon ability to read at sight a piece of moderate difficulty.

ADMISSION FROM OTHER COLLEGES AND UNIVERSITIES.

Students from other institutions who have pursued standard college courses will be admitted and will receive credit for such courses upon the presentation of proper certificates of creditable standing and honorable dismissal.

Students entering with advanced standing must complete in this University at least thirty hours of work before graduation, including six hours in their major study.

ADMISSION OF ADULT SPECIAL STUDENTS.

Persons over twenty-one years of age may be admitted as special students, provided they secure the recommendation of the instructors whose work they desire to take, and

the approval of the Dean of the College concerned. They are not required to meet the entrance requirements but must give evidence of ability to pursue with profit such courses as they elect.

No one may enroll as a special student in any college of the University for more than two years, except by special permission to be obtained through the Dean of the College.

By virtue of his classification a special student is not eligible for any degree, but may become a candidate ultimately by completing the admission requirements. The entrance requirements of such adult, special students must have been fully satisfied before beginning the Junior Year, and the cases must have the approval of the Faculty.

ADMISSION TO THE GRADUATE SCHOOL.

Students may be admitted to the Graduate School upon the completion of all the scholastic requirements for the Bachelor's degree in this University or some other institution of approved rank. (See also page 74.)

GENERAL ACADEMIC REGULATIONS

REGISTRATION.

REGISTRATION OF NEW STUDENTS.

All persons who expect to attend the University for the first time should send to the Registrar at their earliest convenience a certified record of their work beyond the eighth grade. No fee is charged and no obligation whatever is incurred in having the Committee on Admission pass upon the credentials of prospective students. **These transcripts should be received by the University before Registration Day. Students, except adult special students, are not admitted until such credentials are presented and favorably acted on.**

The steps necessary to complete registration are as follows:

(1) Presentation of certified transcripts of secondary or previous college work on or before Registration Day. When transcripts are presented on Registration Day, their bearers will appear before the Registrar.

(2) The Student supplies the Registrar with the data called for on the Census Card Blank and then receives a Trial Program Blank.

(3) He then pays fees to Financial Secretary.

(4) Registration is completed in Rodey Hall, with the advice and counsel of the officers of instruction there assembled. Each course selected must receive the written approval of the head of the Département involved. A student should advise freely with faculty members before deciding upon his group of studies.

(5) Each student must make an appointment for the Medical Advisors and must see the proper representatives of the Department of Hygiene and arrange for such appointment before his program of studies will be fully approved finally by the Dean.

(6) Lastly, the student applies to the Dean of his College for final approval of the program of studies which has been selected.

LATE REGISTRATION.

Certification of records of past work, registration in courses, physical examinations, or payment of fees after the time appointed for these purposes, except for reasons approved

by the President or Dean, may be effected only after the payment of the late registration fee of two dollars.

Students, who enter after the second week of a semester, may not, except in cases approved by the Dean, receive the maximum credit earned in the course in which they enroll. The amount of credit given will be in proportion to the portion of the semester which remains.

CHANGE IN PROGRAM OF STUDIES.

A student who desires to make a change in his program of studies must make application to the Dean of his College for the proper blank. The change in program must receive the endorsement of the instructors of the courses dropped and added, of the head of the department in which the student has elected his major study, and of the Dean of his College.

MINIMUM WORK.

No regular student will be permitted to enroll in less than 14 credit hours except for reasons presented in writing and duly approved by the Committee on Admission and Student Standing, the Dean, and the President.

WITHDRAWAL OF COURSES.

The University reserves the right to cancel or withdraw any course for which the enrollment is too small to justify its continuance, or for other causes.

CREDIT HOURS.

CLASS HOURS AND CREDIT HOURS.

A class hour consists of 53 minutes, and one class hour a week of recitation or lecture throughout a semester earns a maximum of one credit hour. One class hour of laboratory work, orchestra, chorus, or physical training a week throughout a semester earns a maximum of one-third to one-half credit hour. One lesson in voice, or piano, a week throughout a semester earns a maximum of two credit hours.

REGULATIONS ON ATTENDANCE.

Students are required to attend regularly all exercises of the courses in which they are enrolled. Attention is invited to the following Faculty regulations on this subject.

1. Three tardinesses may be counted by the instructor as one absence. The grade for the class exercise may be reduced one-third on account of an unexcused tardiness. It shall lie in the province of the instructor to judge the merits of excuses offered for tardiness, which shall be offered at the close of the class exercise, and to permit, in his discretion, the student to make up the work lost on account of such tardiness. If such

lost work is made up the grade for that day's exercise shall be increased proportionately.

2. Absences incurred on the day preceding or on the day following a holiday or recess (Sundays excepted) shall be counted double.

3. Officers of instruction shall make a daily report to the Dean, or, in the case of women, to the Supervisor of Women, of the absences incurred by students on that day. When three tardinesses are counted by the instructor as one absence, they shall be reported in the same way, together with the dates on which they were incurred.

4. When a student is absent, the instructor shall mark him zero for that particular class exercise.

5. A student who has been absent from a class exercise, may offer reason for such absence to the Dean, or in the case of women students, to the Supervisor of Women, and if the excuse offered be accepted, the student will be given a "Permit to Make Up Lost Work," which shall authorize the instructor of the course involved, in his discretion, to permit the student to make up the work lost on account of absence. When such lost work will have been made up, wholly or in part, the instructor will change the grade of zero incurred on account of absence to what the work done for the day in question deserves.

6. Reasons for absence shall be presented within one week after the absence is incurred.

7. When absences for any cause whatsoever exceed twice the number of class exercises per week in a course, the student is automatically dropped from the course and his final grade for that course shall be F, except in cases provided for in Section 8. In the case of students who register late the number of absences allowed without penalty shall be in proportion to the length of the semester which remains.

8. In case a student is dropped from a course under operation of Section 7, he may offer his reason for absence to the Dean or to the Supervisor of Women, and if the reason for absence be accepted, the student, on the recommendation of the instructor of the course involved and on the approval of the Dean, shall be readmitted to the course from which he has been debarred, and the grade of F, incurred by absences, shall be thereby cancelled. It lies in the province of the instructor of the course, subject to the approval of the head of the department, to recommend whether the student should be readmitted, and, if readmitted, whether he should have an opportunity to make up the lost work or to earn credit in proportion to the amount of work completed.

9. If a student, who has been readmitted to a class, incur any additional absence in that course, he shall be dropped from that course with a grade of F, unless his absence be promptly explained and excused by the Dean or the Supervisor of Women.

GRADING AND EXAMINATIONS.

The grades of students are based upon daily work and upon examinations, and are intended to be the resultant of the quantity and quality of work done. The markings are A, B, C, D, I, X, and F, valued respectively as follows:

A.....	93-100	.....	Excellent.
B.....	92-85	.....	Good.
C.....	84-77	.....	Average.
D.....	76-70	.....	Barely Passing.
X.....	69-60	.....	Conditioned.
F.....	below 60	.....	Failed.
I—Work not completed.			

The grade of I is given when a student has made a satisfactory record in the work completed, but has not completed a part of the course for good and sufficient reason.

If an instructor finds that a student does not deserve a passing grade, on account of missing the final examination or because he has not completed some other part of the course, he will give that student the grade of F or X, unless the student presents to the instructor a statement from his Dean or from the Supervisor of Women in case of women students, showing that the reason for not completing the work of the course has been accepted. In this case, the student will receive the grade of I, and he will have an opportunity, within the first six weeks of the following semester of residence, by special examination covering the work omitted, to change the grade of I to a passing grade. If the unfinished work, which caused the grade of I, is not completed within the allotted time, the grade of I automatically becomes F.

Students receiving an X in any course are "conditioned" in that course. Such students may receive a passing grade and credit in that course if the condition is removed by special examinations held for this purpose on Saturday of the sixth week of the following semester. (Cf. Special Examinations.) Any condition remaining unremoved becomes automatically a failure after the time limit has expired for the removal of such conditions. Only one opportunity is allowed for the removal of a condition.

SPECIAL EXAMINATIONS.

A special examination is one taken at another time than regularly with a class, and a fee of \$2 is charged for such an examination, except for entrance examination and examinations for advanced standing. Before the student is admitted to a special examination he must present a permit signed by the Dean of his college and a receipt for the special examination fee signed by the Financial Secretary. The fee is charged for each final semester examination given at any but the time scheduled for the final examination of the course and for each special examination held on a set date to remove conditions. The instructor shall decide whether the fee shall be collected for special examination given within the semester.

No final examination may be given to a class before the time appointed by the Committee on Schedule and Curriculum.

DISHONESTY IN EXAMINATION.

A student found guilty of dishonest practices in a quiz, test, examination, or other work, renders himself or herself liable to immediate suspension or expulsion.

SUSPENSION FOR LOW GRADES.

Any student who fails to maintain a passing grade in one-half of the schedule for which he has been registered, in the discretion of the Committee on Admission and Student Standing and of the President may be suspended from the University and debarred from registration until such time as they see fit to readmit him.

HONORABLE DISMISSAL.

A student leaving the University after fulfilling all his obligations to the University is entitled to receive from the Registrar a statement of honorable dismissal and, upon request, one transcript of his academic record. Additional transcripts are furnished at the rate of one dollar a copy.

UNIFORM GRADUATION REQUIREMENTS.

MINIMUM RESIDENCE REQUIREMENT.

Every candidate for a degree must spend in residence at this University at least one (the last) academic year, during which time he shall complete a normal program of studies in course. The average time for the completion of a degree-course is four years following graduation from an accredited high school.

ACADEMIC REQUIREMENTS.

(QUANTITATIVE)

The academic requirements for a degree in either College are based upon both quantity and the quality of the work completed by the candidate. The quantitative requirement is 124 credit hours in the College of Arts and Sciences, and 144 in the College of Engineering, in both cases based on an average quality of work. These amounts include credit hours earned in the prescribed courses in Hygiene, but do not include credit hours earned in prescribed courses in Physical Education or those earned by attending Public Assemblies.

QUALITATIVE REQUIREMENTS.

The number of credit hours required for all diplomas and degrees conferred by the University is based upon average work, which is designated by C. For every 15 credit hours of A work, the amount required for graduation is diminished by one credit hour. For every 30 credit hours of B work, the amount required for graduation is diminished by one credit hour. For every 15 credit hours of D work, the amount required for graduation is increased by one credit hour.

HYGIENE.

Hygiene 1 and 2 must be taken by all students in all Colleges of the University in their freshman year or in the first year of residence in the case of students who enter with advanced standing but without credit in this subject.

HEALTH EXAMINATIONS.

A health examination is required each semester of each student. (See Division of Hygiene, page 70.)

PHYSICAL EDUCATION.

Physical Education 1 and 2 or 5 and 6 must be taken by all students of all Colleges of the University, in their freshman year, or in the first year of residence in the case of students who enter with advanced standing but without credit in this subject. Physical Education 51 and 52 or 55 and 56 must be taken during the sophomore year or the second year in residence. Each course earns one-half credit hour. A total of two credit hours, four semesters' work, must be earned for any baccalaureate degree, in addition to the amounts required in academic subjects.

Students who fail to meet this requirement may have their grades and credits withheld in other courses.

UNIVERSITY ASSEMBLIES.

Assemblies are held in Rodey Hall regularly on Friday, and when called by the President of the University. At such times all class exercises are suspended and attendance at such assemblies is required of all students. The records of attendance are based upon the reports of student monitors appointed by the President of the Associated Students. Lectures and addresses are delivered on various topics of interest by members of the Faculty and by visitors to the University and to the City, musical and dramatic recitals, and contests in oratory and debating are held. A fair share of the time set apart for assemblies is given to the Associated Students for the transaction of their business. Regular attendance at these assemblies earns one-half credit hour, each semester. This credit is to be earned in addition to the academic requirements for degrees.

PUBLIC PERFORMANCES.

The Board of Regents of the State University has resolved that all proposed public performances in any way involving the name of the State University must be authorized by the University officials before definite plans for the same are made, or any directors are employed, or any publication made concerning the same, and that any violation of this general rule because of premature announcement will within itself be sufficient cause for the cancellation of the performance announced.

CONDUCT OF STUDENTS.

Every member of the State University, whether or not living upon the Campus, carries the reputation of the University with him or her wherever he or she goes.

Men and women enrolled as students or connected with the State University in any way are expected to conduct themselves as men and women of honor. Flagrant violations will be punished by dismissal. All students are held responsible for a knowledge of the contents of the official **Handbook for the Guidance of Undergraduate Students**, issued by the State University.

Accepted restrictions in a community for the good of the whole group, rather than for the selfish benefit of an individual or separate society or combination of individuals, result in order, harmony and progress, rather than in disorder, cliques and inefficiency.

The State University is a place for men and women who have passed the preparatory age and who are well on their way toward serious preparation for a definite life-work. The University is a place for men and women who work. By work

here is meant organized, individual effort to attain a future goal—for college work, a goal that embodies knowledge, skill in vocation, personal character, and altruistic service.

In the performance of its function the State University is endeavoring to attract from the whole State only young men and women of ability and character who have already completed the work of a good high school. The University intends that all of the resources of higher education may be made available for such students in their effort to prepare themselves for leadership in business and in industry, in the professions and in public life.

FEES, EXPENSES, AND EMPLOYMENT

EXPENSES.

In accordance with the desire of the people of the State it is the policy of the State University to make its fixed charges a moderate sum. The Board of Regents reserves the right to change the rates at any time as the interests of the institution may demand. By Act of Legislature the costs of matriculation and of tuition recently have been slightly increased.

Incidental fee per semester	2.00
Matriculation fee (paid once)	\$ 5.00
Tuition, resident students, per semester	10.00
*Tuition, non-resident students, per semester	25.00
Student activities fee, per semester	5.00
Guarantee deposit, not less than	10.00

At the time of registration a deposit of \$10 to cover possible breakage or damage to University property, is required of each student. This sum, or the remainder thereof after deduction for breakage or damage, is returned to the student at the end of the year or at withdrawal.

SPECIAL FEES.

Late registration fee	\$2.00
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All students who register at a later date than the time appointed or who fail to appear for their medical or dental examinations at the time appointed, pay this extra fee of \$2.00.

Special examination fee	\$2.00
Change in program fee	1.00

For every change in program of studies made after the end of the second week of the semester, except on a written demand of the instructor of the course to be dropped, a fee of \$1.00 is charged. Not more than \$2.00 shall be charged for the change authorized on any one change slip.

Laboratory fee, per semester credit hour	\$3.00
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Laboratory fees are collected at the end of the second week of each semester and are not refunded on account of withdrawal or dismissal from the course after that date.

Diploma fee	\$5.00
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*Students who have not been residents of New Mexico for at least one calendar year at time of registration, are subject to this charge.

BOARD AND LODGING.

In the Residential Halls for Men and Women respectively, in connection with the Dining Hall, or University Commons, board and lodging are furnished for a minimum of \$27.50 to \$35 per month in advance. By order of the Board of Regents, persons occupying University property for residential purposes are required to pay this sum. Fourteen single rooms with board, are available in the Addition to the Women's Residential Hall, at \$32.50 per month in advance. New and larger rooms are now available for women students, two in a room, for \$30 per month, board and lodging included. Two especially large rooms may be had for \$35 per month. **The rates are not subject to deduction except on account of absence on seven consecutive days, excused by Deans.** Students who reserve rooms are expected to pay for the same throughout at least one semester. The privilege of the Residential and Dining Halls may be withdrawn from any person violating the rules and regulations of the university.

The quarters for resident students are provided in the three Residential Halls, one for men and two for women. The old Halls are divided into suites, each consisting of two bedrooms and a study. Two or three students, as a rule, occupy a suite. The rooms are furnished and electric light and steam heat provided, but students supply their own bedding, towels, etc., and pay for their own laundry bills. Occupants of rooms are required to keep rooms in clean, attractive condition, and to observe all regulations therefor. The Men's Residential Hall is in charge of a Proctor, and the Women's Residential Hall is also in charge of a Proctor.

Accommodations are limited, therefore prospective students will remit as soon as possible to the Registrar a reservation fee of five dollars, to be applied toward the first month's account. This amount will not be refunded for any reason after the beginning of the session, and in case of failure to attend the University, will be refunded only if claimed within one week after payment of the amount and prior to the opening.

Guests are not entertained in the residential halls without the previously obtained consent of the proctors who are in charge.

MEALS.

Persons connected with the State University who do not reside in University property may procure meals at the following rates:

Meals for one month, \$22.50, cash in advance. Tickets for students or faculty members not domiciled in University prop-

erty are non-transferable and good only during current month, and the rate is not subject to deduction except on account of absence on seven consecutive days, excused by Deans.

COUPON BOOKS.

Good only for noon-day luncheon on week days (except on holidays). Price \$7.00 for 20 coupons, which are non-transferable.

SINGLE MEALS.

In the interest of service, economy and health, the buying of single meals is discouraged. However, single meals will be supplied to those connected with the University at the following rates:

Breakfast	40c
Dinner	60c
Supper	60c
Dinner (Sundays and holidays)	85c

It is the intention of the Board of Regents to supply good board and lodging at cost. The above prices are subject to change at any time.

STUDENT EMPLOYMENT.

Some students earn the whole or part of their expenses while attending the University. Students are employed on the campus wherever advisable, as janitors, waiters in the dining room, helpers in the kitchen, etc. There is also some demand from the homes and business houses of Albuquerque for student help.

The attention of new students who intend to earn the whole or part of their living is called to the following results of past experiences:

(1). The University does not guarantee employment to students in advance of registration.

(2). There is always a waiting list for the jobs available on the campus. These jobs are usually assigned a year in advance to the students who have been in residence a year and who have made a good record in their studies and labor.

(3). Students who can do any kind of domestic or manual labor well, and who have very good health, often earn their board and room. But no student is advised to come to the University without resources sufficient for the expenses of one semester.

(4). The university curriculum is adapted to those who have control of their entire time to study. The student who

must earn his living, therefore, should expect to enroll for less than the usual amount of University work.

(5). Students employed by the University must maintain satisfactory scholarship and conduct.

Inquiries concerning opportunities for employment should be addressed to the President.

HONOR DAY AND PRIZES

Annual Honor Day Exercises were inaugurated at Commencement of 1921, and will be repeated at succeeding commencements. Annually on the occasion of HONOR DAY, the President of the State University and the President of the Associated Students, in the presence of the students and friends, announce in Rodey Hall the names of those students who are entitled to certificates of excellence or prizes for achievement. The honors bestowed by the Faculty are awarded by the President of the University, and honors bestowed by the Student Body are announced by the President of the Associated Students. The occasion is one of interest to the students and their relatives and friends.

THE C. T. FRENCH MEDAL FOR SCHOLARSHIP.

A friend of the University, Mr. Chester T. French, of Albuquerque, in the Spring of 1921, notified President Hill of his willingness to establish a permanent fund, the proceeds of which might be used perpetually as a prize to stimulate scholarship. Mr. French accordingly gave \$500 in Liberty Bonds for this purpose. The C. T. French Medal for Scholarship will be awarded annually by the President of the State University to the student who meets these conditions:

(1) He or she shall have obtained in residence during that year the highest general average for scholarship in a regular course of not less than fifteen hours, leading to the Bachelor's degree in the College of Arts and Sciences during continuous residence of not less than one full academic year.

(2) Only Juniors and Seniors in residence will be eligible in competition for the C. T. French Medal, and the Medal can be awarded to the same person but once.

KATHERINE MATHER SIMMS PRIZE IN ENGLISH.

Another friend of the University, Mr. Albert Simms, in the Summer of 1921, gave \$250 in Liberty Bonds, the interest of which will be paid in cash to that student taking a full course in residence and who in the opinion of a Faculty Committee appointed by the President of the University has excelled in English Composition, as shown both by class work and an original contribution.

This Prize is open only to students who have been in residence at least one year and who rank not lower than Sophomore at the beginning of the academic year preceding the Honor Day at Commencement when the award will be made.

The Prize is named for Mrs. Katherine Mather Simms. (deceased) a great-grand daughter of an early president of Harvard.

GEORGE E. BREECE PRIZE FOR EXCELLENCE IN ENGINEERING.

Colonel George E. Breece, of Albuquerque, in 1921 established this prize-endowment by a gift of \$600, the proceeds of which are to be awarded on Honor Day. This Prize is open only to junior and senior students of Engineering in residence and taking a full course. The award will be made upon the basis of excellence of scholastic record during two consecutive years and general fitness to be determined by a committee appointed by the President of the University.

THE CECIL RHODES SCHOLARSHIP.

In accordance with the provisions of the will of Cecil Rhodes, awarding two scholarships every three years to each State and Territory in the United States, tenable at Oxford, England, and of the annual value of \$1,750, New Mexico has the privilege of electing a scholar from the candidates who present themselves.

The election from the State, without the examinations formerly required, is made by a State Committee appointed by the American Society of the Rhodes Trustees. Recommendations of candidates from the University are made to the State Committee by the authorities of the University.

FACULTY CERTIFICATES OF EXCELLENCE.

The Faculty on Honor Day, each year, bestows Special Certificates of Excellence as follows:

College of Arts and Sciences—

Best Scholar, Freshman Class.

Best Scholar, Sophomore Class.

Best Scholar, Junior Class.

Best Scholar, Senior Class.

College of Engineering—

Best Scholars, Senior and Junior Classes.

Best Scholars, Sophomore and Freshman Classes.

BRUNO DIECKMANN TENNIS CUP.

A championship cup, for individual excellence in tennis, was donated in 1922 by Mr. Bruno Dieckmann, a graduate of the University.

HONOR FRATERNITY.

The national honor fraternity of Phi Kappa Phi granted a chapter to the University of New Mexico in May, 1916. Elections from the Senior class only are made in the spring semester of each year. A Senior, in order to be eligible for election, must have been in residence for three semesters and must stand in the highest fourth of his class in scholarship.

STUDENT ORGANIZATIONS.

The students of the University form a general student body organization which is called "The Associated Students of the State University of New Mexico," and which controls the other organizations of general interest. The editorial and managerial boards of the newspaper, the U. N. M. Weekly, and yearbook, The Mirage, are elected by the Publications Staffs. Under the direction of the Dramatic Club plays are presented. The Glee Club, the Orchestra and the Chorus are of interest to many students. The University participates in the State Oratorical Contest held annually at the meeting of the New Mexico Educational Association. Debates are held with other educational institutions, representatives being chosen through the medium of the Lowell Literary Society. All athletic activities are under the direction of the Athletic Council. The University has been an associate member of the Rocky Mountain Conference since 1916.

The students support several other organizations. Among these are the Y. M. C. A., the Y. W. C. A., El Círculo Español, the Tennis Club, and the Student Chapter of the American Association of Engineers.

The University will not be responsible for debts incurred by any student or student organization. By order of the Regents, persons in charge of student publications, debates, concerts, dramatic exhibitions, athletic performances, etc., may be required to submit in advance for approval, an estimate of expenses, together with prospective revenues, to the President, or to persons authorized by him, and shall not proceed with their enterprises without the approval of the above authority.

FRATERNITIES AND SORORITIES.

Recognizing voluntary organizations of students with well-defined ideals as being legitimate expressions of an instinctive social impulse, the University encourages the proper conduct of fraternities and sororities.

To set up, to advocate, or to encourage unwholesome class barriers is against the ideals and purposes of a State University

sustained by taxation of the people, is undemocratic and un-American, and will not be countenanced by the Board of Regents, President and Faculty. So long as fraternities and sororities continue to realize that these organizations exist for and by the University, the prevailing wholesome co-operation with these groups will continue. The fraternities and sororities of the State University of New Mexico have assisted much in the formulation of student codes, in the maintenance of living quarters for their members, and in the development of pleasant social life outside of work hours. National fraternities and one local fraternity are represented among University men, and national sororities among the women. The women's sororities have formed a local Pan-Hellenic Association which regulates "rushing" and other fraternity matters. Some fraternities and sororities own houses near the Campus.

Record is kept of the scholarship of members of these organizations, and the publication from time to time of comparative statistics affords a stimulus to group achievements.

COLLEGE OF ARTS AND SCIENCE

FACULTY.

HILL, DAVID SPENCE, Ph.D., LL.D., President.

MITCHELL, LYNN BOAL, Ph.D., Dean of College of Arts and Sciences and Professor of Greek and Latin.

HODGIN, CHARLES ELKANAH, B.Pd., Professor of Education and Vice-President.

CLARK, JOHN DUSTIN, Ph.D., Professor of Chemistry and Dean of Graduate School.

BARNHART, CHARLES ANTHONY, M.A., Professor of Mathematics.

ELLIS, ROBERT WALPOLE, M.A., Professor of Geology.

SIMPSON, MRS. WALTER, (Ypsilanti), Professor of Home Economics and Supervisor of the Dining-Hall.

MOSHER, EDNA, Ph.D., Professor of Biology and General Supervisor of Women.

HESSLER, LEWIS BURTRON, Ph.D., Professor of English and Chairman of the Department.

ROCKWOOD, ROBERT SPENCER, M.S., Professor of Physics.

LUKKEN, JOHN, B.S., B.M., Associate Professor of Music.

COAN, CHARLES FLORUS, Ph.D., Professor of History and Political Science.

EVERS, HELENE M., Ph.D., Associate Professor of Romance Languages.

HAUGHT, BENJAMIN FRANKLIN, Ph.D., Associate Professor of Psychology and Education.

FEASEL, FRED, M.A., Associate Professor of Economics and Business Administration.

SHELTON, WILMA LOY, B.A., B.L.S., Librarian and Assistant Professor of Library Science.

JOHNSON, ROY WILLIAM, B. A., (Certificat, Université de Poitiers), Manager of Athletics, Assistant Professor of Physical Education of Men, and Director of Department of Hygiene.

HUBBELL, GEORGE SHELTON, Ph.D., Assistant Professor of English.

FAW, JENNIE STEVENS, Instructor in Piano and Pipe Organ.

NICHOLS, LOUISE, Instructor in Piano.

ROY, EDNA, B. S., Instructor in Home Economics.

MCCORMICK, KATHERINE, M.A., Instructor in Physical Education and Hygiene of Women.

OSUNA, ANITA M., M.A., Instructor in Romance Languages.

FOSTER, ELSIE M., M.A., (1923), Instructor in Biology, 1922-1923.

GEORGES, JAMES F., Student Assistant in Chemistry, first semester.

KIECH, LEON, Student Assistant in Chemistry.

LIGHTON, IRENE FEE, Student Assistant in Chemistry.

WILFLEY, VERNON B., Student Assistant in Physics.

COLLEGE OF ARTS AND SCIENCE

The College of Arts and Sciences aims to provide a liberal as well as a thorough education. It offers courses of both cultural and practical nature in various departments, including animal biology, botany, chemistry, economics and business administration, education, English language and rhetoric, English literature, geology, government, Greek language and literature, history, home economics, Latin language and literature, mathematics, music, philosophy, physics, psychology, and Romance languages and literatures. It gives opportunity also for special work in the Curricula Preparatory to Law and Medicine. In addition, it accepts a certain amount of work from the College of Engineering.

GRADUATION REQUIREMENTS.

A total of 124 credit hours of work of C grade (see page 41) is required for graduation with the Bachelor of Arts degree. A small portion of the course is prescribed for the program of the first two years with the intention that every student shall lay a sufficiently broad foundation in English, other languages, the sciences and mathematics, and history, government, economics, and philosophy. During the last two years he devotes about one-half of his time to his major and minor studies and chooses his electives under the advice and approval of his major professor.

Requirements in Hygiene, Physical Training, and Public Assembly (see page 41).

The remainder of the required work is arranged in groups and a specified amount of work must be taken in each group.

GROUP I.

- A. English.
- B. Foreign Language.

GROUP II.

Economics.
Education.
History
Philosophy.
Political Science.

GROUP III.

Biology.
Chemistry.
Geology.
Home Economics (food courses only).

Mathematics.

Physics.

Psychology (51 and 52 when accompanied by 61 and 62, and other laboratory courses).

REQUIREMENTS IN GROUP I-A.

English 1 and 2 must be taken in the first year.

REQUIREMENTS IN GROUP I-B.

Courses earning 12 credit hours must be taken in languages other than English.

REQUIREMENTS IN GROUP II.

Courses earning nine credit hours must be completed in subjects contained in this group. The requirement must be met by the end of the second year and not more than two-thirds of the amount required may be taken in one subject.

REQUIREMENTS IN GROUP III.

Courses earning 12 credit hours must be completed in subjects contained in this group. This requirement must be met by the end of the second year and not more than two-thirds of the amount required may be taken in one subject.

REQUIREMENTS IN MAJOR AND MINOR STUDIES.

When registering for the Junior year each student shall declare his major study and his program of studies thereafter shall meet the approval of the head of the department in which the major study lies. He shall complete in this major study not less than 24 credit hours earned in those courses prescribed for or accepted by the department towards a major study. Such work must be of at least C quality. Courses in which the grade of D is earned are accepted as electives towards graduation but are not accepted for the major study.

A minor study of 12 credit hours shall be completed in another department and shall conform to the same standards set up for the major study except only in number of credit hours. The selection of the minor study shall receive the approval of the head of the department wherein the major study lies.

At least one-fourth of the minimum amount of credit hours required for major and minor studies must be earned in this University. No advanced standing in the major or minor studies is granted to students presenting credits from another institution until after he has been in residence at this University for at least one semester and then only after the completion of three credit hours in the major study at this University.

RESTRICTIONS IN ELECTIVES.

Not more than 50 credit hours earned in courses open to Freshmen are accepted towards a degree without a reduction in the amount of credit usually given for such courses.

PROGRAM OF STUDIES.

Each student shall enroll in courses earning not less than 14 to 17 credit hours, except for reasons presented in writing and duly approved by the Committee on Admission and Student Standing, the Dean, and the President.

No member of this College may enroll in courses which earn more than 17 credit hours, unless his standing for the previous semester be at least B in two-thirds of his program of studies, with no grade below C, and then only by presenting a written petition to the Committee on Admission and Student Standing, who may, in their discretion, grant permission to enroll for extra work up to a maximum of 18 credit hours.

DEGREE.

Upon recommendation of the President and Faculty, the degree of Bachelor of Arts is conferred by the Regents upon those candidates who have completed at this institution not less than the last two semesters of a four years' curriculum in accordance with the requirements and regulations of the University. If such candidates have completed a major course in Group III, they may, upon request, receive the degree of Bachelor of Science.

PROFESSIONAL HIGH SCHOOL TEACHER'S
CERTIFICATE.

Graduates of the College are awarded a professional high school teacher's certificate who include in their course 15 credit hours in Education and Psychology (Subject to change by the direction of the State Board of Education).

The requirements in Physiology, United States History and Civics, and the History and Civics of New Mexico, to which all applicants for all grades of certificates are held, must be met by applicants for the professional high school certificate. If these subjects have not been offered for entrance they must be taken before graduation.

Graduates of the University who include in their curriculum the above prescribed subjects receive a certificate showing that they have completed this work. Upon the presentation of this certificate to the State Department of Education, a professional certificate is issued permitting the holder thereof to teach in high schools in New Mexico for a period of five years. Certificates to teach in New Mexico are awarded by the State

Department of Education and the regulations concerning certification are formulated by the State Board of Education.

SUGGESTED GENERAL CURRICULUM.

In the first year the student enrolls in English 1-2, Hygiene 1-2, and Physical Education 1-2 or 5-6. The remainder of his program of studies should consist of subjects lying in the groups required for graduation. It is generally impossible to select a program of studies in which every group is represented. Students, who expect to take considerable work in Group III, should make a start in this group in the first year and postpone Group II until the second year, and, vice versa, students, who expect to take considerable work in the social sciences and only a minimum in the sciences and mathematics, should make a start in Group II in their first year and postpone Group III until the second year. It is almost invariably desirable that students do not omit Group IB in their first year.

In their second year, students will register for Physical Education 51-52 or 55-56, and for such courses as will complete the group requirements, and they will take second courses in the subject in which they expect to complete the requirements of a major and of a minor study.

In their third and fourth years, students will give their chief attention to their major and minor studies and select for the remainder of their programs of studies those courses which are related or are of benefit to their major and minor studies.

CURRICULUM FOR BUSINESS ADMINISTRATION.

The courses named in the outlined curriculum below are to be regarded only as the essential minimum, to be supplemented by others chosen under advice with special reference to the purpose of the individual student.

FIRST YEAR.

First Semester.		Second Semester.	
English (1)	3	English (2)	3
History (1)	3	History (2)	3
Economics (15)	3	Economics (18)	3
Foreign Language	4	Foreign Language	4
Hygiene (1)	2	Hygiene (2)	2
Physical Education		Physical Education	

SECOND YEAR.

The student will take additional courses in Economics and Business Administration and will complete his group requirements, namely, Physical Education, additional courses in foreign languages; and twelve (12) hours in Group III (Mathematics and Psychology are advised). Additional courses

should be chosen from the list "Courses Strongly Urged," given below.

THIRD AND FOURTH YEARS.

Before graduation the student must fulfill the requirements of his major and minor studies. It is suggested that the student select his minor in one of the following fields: English, Political Science, History, Psychology, Spanish, or Mathematics. The student should supplement his major (Economics and Business Administration) and minor studies from courses listed below.

COURSES RECOMMENDED.

English (58 and 61)	4
History (101 and 102)	6
Political Science (1 and 2)	6
Psychology (103)	
Foreign Language	
Mathematics	

CURRICULUM FOR HOME ECONOMICS.

FIRST YEAR.

First Semester.		Second Semester.	
English (1)	3	English (2)	3
Hygiene (1)	2	Phys. Edu. (6)	½
Phys. Edu. (5)	½	Biology (26)	3
Biology (1)	5	Chemistry (2)	4
Chemistry (1)	4	Home Economics (12)	3
Home Economics (11)	3	Home Econ. (8)	3

SECOND YEAR.

Chemistry (67)	3	Biology (91)	4
Economics (15)	3	Physics (62)	3
Phys. Edu. (55)	½	Economics (18)	3
Home Econ. (53)	3	Phys. Edu. (56)	½
Home Econ. (61)	3	Home Econ. (54)	3
Elective	2-5	Home Econ. (62)	3

THIRD AND FOURTH YEARS.

Foreign Language	6	Foreign Language	6
History (1)	3	History (2)	3
Home Econ. (105-127-135		Home Econ. (102-106-132.	
185)	14	181-194)	14
Elective	9	Elective	9

CURRICULUM PREPARATORY TO LAW.

All law schools of high rank are now requiring a certain amount of work in the College of Arts and Sciences before admission to the study of law. The student who plans to take up the study of law should first gain a broad foundation for his later work, and should take at least two years of English, History, Government, Economics, and the languages and the sciences. The exact curriculum will depend on the requirements of the law school of which the student plans to become a member, but he should, in general, pursue the regular required course for the Freshman and Sophomore years, choosing his electives under the direction of the Dean of the College.

The School of Law of Northwestern University has effected an affiliation with the College of Arts and Sciences, by the terms of which the student may secure the advantages of the following seven years' program of combined liberal and professional studies. He may spend three years in residence in the College of Arts and Sciences and then proceed in the School of Law for the remaining four years, receiving his Bachelor of Arts degree from the University of New Mexico at the end of the first four years of study, and his Bachelor of Laws degree from Northwestern University at the close of the seven years' program.

CURRICULUM PREPARATORY TO MEDICINE.

The standard of preliminary education which is required as the minimum for admission to the study of medicine is two years of college work based on a four-year high school education. This standard has now been generally adopted by the medical colleges of the United States. The minimum requirement for admission to medical schools approved by the Council on Medical Education in the United States in addition to the high school work specified above, is 60 semester credits hours, extending through two years of at least 32 weeks each, exclusive of holidays, in the College of Arts and Sciences. It is recommended that whenever possible, the student spend at least three years, i. e., six semesters, in residence in the College of Arts and Sciences before proceeding to the medical school. He should determine, before registration, what medical school he desires to attend and should arrange his curriculum, under the direction of the Professor of Biology, to meet the requirements of that particular school.

The subjects included in the minimum two years of required college work or the recommended three years of desir-

able college work should accord with the following curriculum:

Required Courses:	Semester Hours
Chemistry	12
Physics	8
Biology	8
English Language and Rhetoric	8
Other non-science courses	18

Courses Strongly Urged:

French or German	6-12
Advanced Botany or Advanced Zoology	3-6
Mathematics, including Algebra and Trigonometry	3-6
Psychology	3-6
Additional Chemistry	3-6

Suggested Elective Courses:

Additional English Language and Rhetoric or English Literature,
Economics, History, Government, Logic, Mathematics, Latin,
Greek, Drawing.

Suggestions Regarding Individual Subjects.

Chemistry.—12 semester hours required, of which at least 8 must be in general inorganic chemistry, including 4 credit hours of laboratory work. Work in qualitative analysis may be counted as general inorganic chemistry. The remaining 4 hours may consist of additional work in general chemistry or of work in analytic or organic chemistry.

Physics.—8 semester hours required, of which at least 2 must be laboratory work. It is urged that this course be preceded by a course in trigonometry. This requirement may be satisfied by 4 credit hours of college physics, of which 2 must be laboratory work, if preceded by a year (one unit) of high school physics.

Biology.—8 semester hours required, of which 4 must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

English Language and Rhetoric.—The usual 8 semester hours of college composition are required.

Non-Science Course.—Of the 60 semester hours required as the measurement of two years of college work, at least 18 including the 8 credit hours in English should be in departments other than Physics, Chemistry, and Biology.

French and German.—A reading knowledge of one of these languages is strongly urged. If the reading knowledge in one of these languages is obtained on the basis of high school work, the student is urged to take the other language in his college course. It is not considered advisable however, to spend more than 12 of the required 60 semester hours

on foreign languages. In case a reading knowledge of one language is obtained by 6 semester hours of college work, another 6 semester hours may be well spent in taking the beginner's course in the other language. If this is followed up by a systematic reading of scientific prose, a reading knowledge of the second language may be readily acquired. When a student spends more than two years in college he may well spend 12 semester hours of his college work in the second language.

COLLEGE OF ENGINEERING

FACULTY.

- HILL, DAVID SPENCE, Ph.D., LL.D., President.
EYRE, THOMAS TAYLOR, B.S., in M.E., Dean of College of Engineering and Professor of Practical Mechanics.
CLARK, JOHN DUSTIN, Ph.D., Professor of Chemistry and Dean of Graduate School.
BARNHART, CHARLES ANTHONY, M.A., Professor of Mathematics.
ELLIS, ROBERT WALPOLE, M.A., Professor of Geology.
HESSLER, LEWIS BURTRON, Ph.D., Professor of English.
ROCKWOOD, ROBERT SPENCER, M.S., Professor of Physics.
CAREY, CHARLES EDWARD, E.E., Associate Professor of Electrical Engineering.
EVERS, HELENE M., Ph.D., Associate Professor of Romance Languages.
DOUGHERTY, HARRY L., B.S., in S.E., Assistant Professor of Civil Engineering.
FEASEL, FRED, M.A., Assistant Professor of Economics and Business Administration.
HUBBELL, GEORGE SHELTON, Ph.D., Assistant Professor of English.
JOHNSON, ROY W., B.S., Certificat, (Université de Poitiers), Director of Department of Hygiene and Assistant Professor of Physical Education.
OSUNA, ANITA M., M.A., Instructor in Romance Languages.
KIECH, VEON, Student Assistant in Chemistry.
GEORGES, JAMES FRANK, Student Assistant in Chemistry.
LIGHTON, IRENE FEE, Student Assistant in Chemistry.
WILFLEY, VERNON B., Student Assistant in Physics and Electrical Engineering.

The College of Engineering offers courses in chemical, civil, electrical, and geological engineering, and practical mechanics; it offers, in addition, the first two years of four-year curricula in mechanical, mining, and sanitary engineering. The aim of each department is to make entrance requirements and requirements for graduation meet the standard of the leading engineering colleges. The curricula have been so outlined as to include both professional and cultural studies in order that the student may not only receive instruction in theory and practice but may also enlarge his mental horizon. To this end a number of non-technical subjects is required in all engineering courses.

It is the endeavor of the departments of engineering to give a thorough grounding in mathematics and theoretical subjects during the earlier years, with a reasonable amount of specialization during the later years of each curriculum. The drawing and laboratory instruction continue progressively throughout the four years in each curriculum.

INSPECTION TRIPS.

From time to time throughout the curriculum inspection tours are made, under the direction of an instructor, to engineering and industrial establishments in the City of Albuquerque, and the coal and metal mines, the mills, kilns, and smelters in this region. Through the courtesy of these establishments it is possible for the engineering students to get a much better idea of the actual processes and the methods in use in up-to-date, practical plants than could possibly be gained in the shops and laboratories of an educational institution, where the equipment must of necessity be limited. In this way the observation work in connection with the discussions and practical work at the University laboratories offers excellent opportunity for the students to become familiar with practical applications.

GRADUATION REQUIREMENTS.

Candidates for the degree of Bachelor of Science in engineering curricula must complete 144 credit hours, including all the prescribed courses.

Electives, where prescribed in the following curricula, are to be chosen with the advice and consent of the Dean and the head of the Engineering Department in which the student is a candidate for a degree.

(See also Uniform Graduation Requirements, page 41.)

PROGRAM OF STUDIES.

Each student shall enroll in courses earning not less than 14 or more than 20 credit hours, except for reasons presented in writing and duly approved by the Committee on Admission and Student Standing, the Dean, and the President.

CURRICULA.

FIRST YEAR.

First year courses are uniform for all engineering curricula, as follows:

First Semester.

		Lecture	Laboratory	Credit
		Hours	Hours	Hours
Chem. 1	Inorganic Chemistry	3	3	4
English 3	Composition and Rhetoric.	3	0	3
Math. 11	Trigonometry	3	0	3
P. M. 1	Wood Shop	0	6	2
P. M. 11	Engineering Drawing	0	6	2
Hyg. 1	Principles of Hygiene	2	0	2
P. E. 1	Physical Education			

 16
Second Semester.

Chem. 2	Inorganic Chemistry	3	3	4
E. E. 1	Engineering Lectures	2	0	2
English 4	Composition and Rhetoric.	3	0	3
Math. 12	College Algebra	3	0	3
P. M. 3	Wood Shop	0	6	2
P. M. 16	Descriptive Geometry	0	6	2
Hyg. 2	Principles of Hygiene	2	0	2
P. E. 2	Physical Education			

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CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING.

FIRST YEAR.

(See above)

SECOND YEAR.**First Semester.**

		Lecture	Laboratory	Credit
		Hours	Hours	Hours
Chem. 51	Qualitative Analysis	0	10	5
Math. 21	Analytic Geometry	3	0	3
Math. 51	Calculus	3	0	3
Physics 51	Mechanics, Heat and Sound	3	0	3
Physics 53	Physics Laboratory	1	3	2

*Language or
Economics

(a) Spanish 1 Elementary Spanish

(b) French 1 Elementary French 3-5 0 3-4

(c) Economics.

P. E. 51 Physical Education

 19-20

*The course that is elected must be taken four semesters.

Second Semester.

Chem. 52	Quantitative Analysis	0	6	3
Math. 22	Analytic Geometry	2	0	2
Math. 52	Calculus	4	0	4
Physics 52	Elec., Magnetism & Light	3	0	3
Physics 54	Physics Laboratory	1	3	2
Language or	As elected in first semester	3-5	0	3-4
Economics	Machine Shop	0	6	2
P. M. 6	Physical Education			
P. E. 52				

 19-20
THIRD YEAR.**First Semester.**

Chem. 61	Organic Chemistry	0	6	3
C. E. 105	Analytical Mechanics	4	0	4
E. E. 101	Principles of Elec. Eng...	4	0	4
E. E. 103	Heat Power Engineering..	3	0	3
Language or				
Economics	As elected in Soph. year..	3	0	3

 17
Second Semester.

		Lecture Laboratory Credit		
		Hours	Hours	Hours
Chem. 62	Organic Chemistry	0	6	3
Chem. 101	Quantitative Analysis	0	8	4
C. E. 108	Mechanics of Materials ...	3	0	3
E. E. 104	Heat Power Engineering..	3	0	3
E. E. 107	Electrical Engineering Lab.	0	6	2
Language or				
Economics	As elected in Soph. year..	3	0	3

 18
FOURTH YEAR.**First Semester.**

English 61	English for Engineers	2	0	2
Chem. 151	Advanced Quant. Analysis	0	10	5
Chem. 112	Industrial Chemistry	2	0	2
C. E. 51	Elementary Surveying ...	2	6	4
Electives.	.....			5

 18

Second Semester.

Chem. 110	Physical Chemistry	5	0	5
Chem. 113	Metallurgy	2	0	2
C. E. 110	Hydraulics	3	0	3
C. E. 52	Topographic Surveying ...	1	6	3
Electives.	.....			4-5
				<hr/> 17-18
Total				<hr/> 144

**CURRICULUM LEADING TO THE DEGREE OF BACHELOR
OF SCIENCE IN CIVIL ENGINEERING.**

FIRST YEAR.

(See Page 63)

SECOND YEAR.**First Semester.**

C. E. 51	Elementary Surveying	2	6	4
Math. 21	Analytic Geometry	3	0	3
Math. 51	Calculus	3	0	3
Physics 51	Mechanics Heat and Sound	3	0	3
Physics 53	Physics laboratory	1	3	2
*Language or	(a) Spanish 1 Elem. Spanish			
Economics	(b) French 1 Elem. French	3-5	0	3-4
	(c) Economics			
P. E. 51	Physical Education			

18-19

*The course that is elected must be taken four semesters.

Second Semester.

		Lecture Laboratory Credit		
		Hours	Hours	Hours
C. E. 52	Topographic Surveying ...	1	6	3
Math. 22	Analytical Geometry	2	0	2
Math. 52	Calculus	4	0	4
Physics 52	Electricity, Magnet., Light	3	0	3
Physics 54	Physics Laboratory	1	3	2
Language or				
Economics	As elected in first semester	3-5	0	3-4
P. M. 6	Machine Shop	0	6	2
P. E. 52	Physical Education			

19-20

THIRD YEAR.

First Semester.

		Lecture Laboratory Credit		
		Hours	Hours	Hours
C. E. 105	Analytical Mechanics	4	0	4
E. E. 101	Principles of Elec. Eng....	4	0	4
E. E. 103	Heat Power Engineering..	3	0	3
C. E. 101	R. R. Curves & Earthwork	3	0	3
C. E. 103	R. R. Engineering	0	6	2
Language or Economics	As elected in the Soph. year	3	0	3

19

Second Semester.

C. E. 108	Mechanics of Materials ..	3	0	3
C. E. 110	Hydraulics.....			
C. E. 157	Highway Engineering	3	0	3
E. E. 107	Electrical Engineering Lab	0	6	2
E. E. 104	Heat Power Engineering..	3	0	3
Language or Economics	As elected in the Soph. year	3	0	3

17

FOURTH YEAR.

First Semester.

English 61	English for Engineers	2	0	2
C. E. 153	Masonry Construction	3	0	3
C. E. 155	Theory of Structures	3	0	3
C. E. 151	Graphic Statics	2	4	3
C. E. 161	Water Supplies	3	0	3
C. E. 163	Irrigation	2	0	2
C. E. 181	Seminar	2	0	2

18

Second Semester.

C. E. 154	Reinforced Concrete	2	0	2
C. E. 158	Masonry Tests	0	3	1
C. E. 164	Sewerage	3	0	3
C. E. 165	Sanitary Design	0	3	1
C. E. 156	Structural Design	0	12	4
C. E. 170	Contracts & Specifications	2	0	2
C. E. 182	Seminar	2	0	2
C. E. 200	Thesis			3

18

Total 144-145

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

FIRST YEAR.

(See Page 63)

SECOND YEAR.

(Same as for Civil Engineering, see Page 65.)

THIRD YEAR.

First Semester.

		Lecture Laboratory		Credit
		Hours	Hours	
C. E. 105	Analytical Mechanics	4	0	4
E. E. 101	Principles of Elect. Eng...	4	0	4
E. E. 103	Heat Power Engineering ..	3	0	3
Physics 111	Electricity and Magnetism.	2	0	2
Physics 113	Electrical Measurements...	0	6	2
E. E. 106	Electrical Laboratory	0	6	2
Language or				
Economics	As elected in the Soph. year	3	0	3
				<hr/> 20

Second Semester.

C. E. 108	Mechanics of Materials ..	3	0	3
C. E. 110	Hydraulics	3	0	3
E. E. 102	Alternating Currents	3	0	3
E. E. 104	Heat Power Engineering..	3	0	3
E. E. 108	Alternating Cur. Problems	2	0	2
E. E. 110	Steam Laboratory	0	3	1
E. E. 171	Electrical Laboratory	0	6	2
Language or				
Economics	As elected in the Soph. year	3	0	3
				<hr/> 20

FOURTH YEAR.

First Semester.

E. E. 151	Alternating Cur. Machinery	4	0	4
E. E. 153	Alternating Cur. Problems	1	0	1
E. E. 155	Electrical Laboratory	0	6	2
E. E. 192	Power Plants	3	0	3

Second Semester.

E. E. 196	Transmission Lines	2	0	2
E. E. 161	Electrical Design	1	6	3
English 61	English for Engineers	2	0	2
				<hr/> 17

Second Semester.

E. E. 152	Advanced A. C. Machinery	4	0	4
E. E. 154	Electrical Laboratory	0	6	2
E. E. 193	Electric Railways	3	0	3
or E. E. 194	Radio Communication			
E. E. 162	Electric Design	1	6	3
E. E. 182	Seminar	1	0	1
E. E. 200	Thesis			3
				<hr/> 16

Total 145-146

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING.

FIRST YEAR.

(See Page 63)

SECOND YEAR.**First Semester.**

Geol. 1	Physical Geology :.....	3	3	4
Math. 21	Analytic Geometry	3	0	3
Physics 51	Mechanics, Heat & Sound	3	0	3
Physics 53	Physics Laboratory	1	3	2
C. E. 51	Elementary Surveying	2	6	4
*Language or Economics				
(a) Spanish 1	Elementary Spanish			
(b) French 1	Elementary French	3-5	0	3-4
(c) Economics				
P. E. 51	Physical Education			

19-20

*The course that is elected must be taken four semesters.

Second Semester.

Geol. 2	Historical Geology	3	3	4
Math. 22	Analytic Geometry	2	0	2
Physics 52	Elect., Magnetism & Light.	3	0	3
Physics 54	Physics Laboratory	1	3	2
C. E. 52	Topographic Surveying ...	1	6	3
Language or Economics				
	As elected in first semester	3-5	0	3-4
P. E. 52	Physical Education			

17-18

Lecture Laboratory Credit
Hours Hours Hours

THIRD YEAR.**First Semester.**

Geol. 51	Mineralogy	1	3	2
Geol. 101	Economic Geology	2	3	3
Math. 51	Calculus	3	0	3
E. E. 101	Principles of Elect. Eng....	4	0	4
E. E. 103	Heat Power Engineering..	3	0	3
Language or Economics	As elected in Soph. year ..	3	0	3

 18
Second Semester.

Geol. 52	Mineralogy	0	6	2
Geol. 102	Economic Geology	2	3	3
Math. 52	Calculus	4	0	4
C. E. 110	Hydraulics	3	0	3
E. E. 104	Heat Power Engineering..	3	0	3
E. E. 107	Electrical Laboratory	0	6	2
Language or Economics	As elected in Soph. year..	3	0	3

 20
FOURTH YEAR.**First Semester.**

Geol. 103	Paleontology	1	6	3
Geol. 105	New Mexico Geology	0	6	2
Chem. 51	Qualitative Analysis	0	10	5
Chem. 112	Industrial Chemistry	2	0	2
English 61	English for Engineers	2	0	2
C. E. 105	Analytical Mechanics	4	0	4

 18
Second Semester.

Geol. 104	Petrology	1	6	3
Geol. 106	Geological Mapping	0	6	2
Chem. 52	Quantitative Analysis	0	8	4
Chem. 110	Physical Chemistry	5	0	5
Chem. 113	Metallurgy	2	0	2
C. E. 108	Mechanics of Materials ...	3	0	3

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 Total 146-147

DIVISION OF HYGIENE

FACULTY.

DAVID S. HILL, Ph.D., LL.D., President.

GÉORGE S. LUCKETT, M. D., State Director, Bureau of Public Health, Consultant.

ROY W JOHNSON, B.A. Certificat (Université de Poitiers), Director and Manager of Athletics.

PERCY GILLETTE CORNISH, Jr., M.D., Medical Advisor for Men.

EVELYN FRISBIE, M.D., Medical Advisor for Women.

CHARLES ELLER, D.D.S., Dental Advisor.

MYRTLE GREENFIELD, AM., Chief of the Division of State Public Health Laboratory, Bureau of Public Health, and Assistant Professor of Bacteriology.

KATHERINE McCORMICK, M.A., Instructor in Physical Education and Hygiene of Women.

FLORA ELLA CHESS, B.A., Technician in the State Public Health Laboratory.

This Division was originally organized in cooperation with, and with the assistance of the Interdepartmental Social Hygiene Board and exercises general supervision over the activities conducted under the heads of Physical Education, Health Supervision, etc., as well as instruction in General Hygiene, Physiology, etc. The Public Health Laboratory of the University and of the State Bureau of Public Health is also in affiliation with the work in Hygiene.

HEALTH EXAMINATIONS.

A health examination is required each semester of each student. Every reasonable provision is made for a private; personal, confidential relation between the examiner and the student. Each student so advised must report to his health advisor within a reasonable time as directed, and the advisor is available during his regular office hours for consultation with the student on any matter concerning his health or physical welfare.

The instruction given in the regular courses of the Department is, from time to time, supplemented by lectures on pub-

lie hygiene, public health, and related topics from competent members of the local, state and national health departments and organizations and from other appropriate sources.

Sanitary surveys and hygiene inspections are applied regularly to all departments and divisions of the University.

HYGIENE.

Major and minor studies.—No major is at present offered in the Department. All elective courses giving academic credit may be counted toward a minor in Hygiene.

Primarily for Undergraduates.

1, 2. . . The principles of hygiene.—General and personal hygiene. Required of all Freshmen. Two hours a week. Johnson and McCormick.

72. Educational hygiene.—This course is intended for prospective teachers, and includes treatment of health of children, school sanitation and hygiene, and discussion of methods and methods of hygiene instruction suitable for different grades. Prerequisite: Hygiene 1, 2. Two hours. McCormick.

PHYSICAL EDUCATION.

Athletics, outdoor games and sports can be counted toward meeting this requirement, and may be substituted in some cases for the courses in gymnasium work indicated below. The following courses have two objects; to correct physical defects and weaknesses, and to be taken by students who otherwise are not taking sufficient exercise.

Courses for Men.

1, 2. Freshman course.—Drilling, army setting-up exercises, work on gymnasium apparatus, etc. 3 hours a week, $\frac{1}{2}$ credit hour, not counted toward a degree. Johnson.

51, 52. Sophomore course.—Continuation of the preceding course introducing advanced work. 3 hours a week, $\frac{1}{2}$ credit hour, not counted towards a degree. Johnson.

Courses for Women.

The uniform consists of blue serge bloomers, white middie, black tie, black hose and tennis or gymnasium shoes. For swimming a bathing suit and rubber cap are required.

5, 6. Freshman course.—Folk dancing, marching, apparatus, swimming, and out of door games such as captain ball, volley ball, basketball, baseball, field ball, and tennis. Three hours a week, $\frac{1}{2}$ credit hour, not counted toward a degree. McCormick.

55, 56. Sophomore course.—Advanced folk dancing, swimming and apparatus; a continuation of the games and athletic of 5 and 6. Three hours a week, $\frac{1}{2}$ credit hour, not counted toward a degree. McCormick.

61, 62. Advanced folk and national dancing.—Open to those who have had folk dancing in 5, 6 and 55, 56, or its equivalent. Two hours a week, $\frac{1}{2}$ credit hour. McCormick.

EXTENSION DIVISION

The State University is extending its service to a larger constituency than was reached through the regular class room channel, although the University has received no appropriations for this service.

The Extension Division, though limited in its possibilities has conducted successfully, and nearly upon a self-supporting basis, a surprisingly wide range of activities during the year 1921-1922, which consisted of lecture courses and classes open to qualified adults upon payment of small fees.

During that period courses offered were as follows:

Child Psychology (eight lectures), Benjamin F. Haught, M.A., (Columbia), Ph.D. (Peabody).

Dante (eight lectures), George S. Hubbell, A.M., Ph.D. (Princeton).

Educational Hygiene (ten lectures), Katherine McCormick, B.S. (State College of Mississippi), M.A. (Columbia).

English Literature, (ten lectures), George S. Hubbell, A.M., Ph.D., (Princeton).

Home Economics for Housewives, (eight lectures), Mrs. Walter son (Ypsilanti).

Journalism, (ten lectures), Marion L. Fox, A.B., LL.D.

Mental and Educational Tests, Benjamin F. Haught, M.A. (Columbia), Ph.D. (Peabody).

Platonic Influence on Literature and Thought, George S. Hubbell, M.A., Ph.D., (Princeton).

Practical Electricity, Chas. E. Carey, B.S., E.E. (University of Oklahoma).

Radio Communication, Chas. E. Carey, B.S., E.E. (University of Oklahoma).

Swimming, Katharine McCormick, B.S., (State College of Mississippi), M.A., (Columbia).

Salesmanship, Charles M. Barber, Ph.D., (Chicago).

GRADUATE SCHOOL

FACULTY.

DAVID SPENCE HILL, Ph.D., LL.D., President of the University.

JOHN DUSTIN CLARK, Ph.D., Dean of the Graduate School and Professor of Chemistry.

LYNN BOAL MITCHELL, Ph.D., Professor of the Latin and Greek Languages and Literature, and Dean of the College of Arts and Sciences.

CHARLES ANTHONY BARNHART, M.A., Professor of Mathematics.

ROBERT WALPOLE ELLIS, M.A., Professor of Geology.

LEWIS BURTON HESSLER, Ph.D., Professor of English and Chairman of the Department.

ROBERT SPENCER ROCKWOOD, M.S., Professor of Physics.

EDNA MOSHER, Ph.D., Professor of Biology and Supervisor of Women.

CHARLES FLORUS COAN, Ph.D., Professor of History and Political Science.

EVERS, HELENE, M., Ph.D., Associate Professor of Romance Languages.

HAUGHT, BENJAMIN FRANKLIN, Ph.D., Associate Professor of Psychology and Education.

FRED FEASEL, M.A., Assistant Professor of Economics and Business Administration.

HUBBELL, GEORGE SHELTON, Ph.D., Assistant Professor of English.

MYRTLE GREENFIELD, M.A., Bacteriologist in State Public Health Laboratory and Assistant Professor of Bacteriology.

At the beginning of the 1919-1920 college year, a small nucleus of a graduate school was organized at the University of New Mexico. This school offers to men and women the opportunity of extending and rendering more thorough the scholarship obtained in the undergraduate courses, and of advancing the boundaries of knowledge by specialized work and original research.

REGARDING COURSES.

The privileges of this school are extended to graduates of this University or of other institutions of equal grade. The general scope of the graduate instruction offered in any subject may be gathered from an inspection of the statements in

the Courses of Instruction. The work of graduate students is expected, however, to be in a measure independent of the regular courses of instruction. Some of the graduate courses offered may be elected in the senior year by properly prepared undergraduate students. Work done in this way, however, before the attainment of the bachelor's degree, will not be allowed to count as graduate work if the student afterward becomes a candidate for an advance degree. Nor will any work of undergraduate grade done by a graduate student be credited as a rule, toward an advanced degree, but certain courses primarily for seniors will be open to graduate students and may, at the discretion of the Committee on Graduate Studies, be counted toward an advanced degree.

ADMISSION OF SPECIAL STUDENTS.

Properly prepared students who have not obtained a baccalaureate degree and who are not candidates for a degree may be admitted to the Graduate School, it being understood that the work undertaken by them must be all of a higher grade than that required for the baccalaureate degree. The admission of such students will be upon sanction of the professors under whom they are to study and the Committee on Graduate Studies. The graduate work done by this class of special students shall in no case count toward the acquisition of an advanced degree.

The University of New Mexico will not confer advanced degrees on students who have not obtained a baccalaureate degree from an institution of standard grade.

ADMISSION TO CANDIDACY.

All graduate students will be considered merely resident graduates, unless admitted to candidacy for a degree by the Dean of the Graduate School, after formal application. Applicants for advanced degrees are required to announce their proposed courses to the Dean within two weeks after the opening of the session. Applicants for advanced degrees may, at the discretion of the Committee on Graduate Studies, receive proper credit for graduate work done either in private study or at another university of standard grade, but their degrees will not be granted unless applicants have been resident graduates at this University for at least one year.

CHANGES IN REQUIREMENTS.

Candidates standing examinations for advanced degrees more than three years after the beginning of their graduate study must satisfy all the requirements adopted in the interval.

MINIMUM SIZE OF GRADUATE CLASSES.

Graduate classes of fewer than three students will be formed only at the discretion of the professor concerned and with the approval of the administration.

CHOICE OF MINOR STUDIES.

The choice of minor subjects may be made only after consultation with the professor in charge of the major subject and the Dean of the Graduate School.

UNIT OF GRADUATE STUDY AND MINIMUM OF COURSES.

The unit for estimating the quantity of graduate instruction is a graduate course. A unit course is one which requires ten hours of time a week through one semester, irrespective of the mode of distribution of that time in classroom, laboratory, or private study. Four such courses or their equivalent, constitute a full minimum for one semester and eight such courses or their equivalent, which may include the preparation of a Master's thesis, are expected to occupy the time for a year of a well prepared, able graduate student and constitute the minimum formal year's work required for a Master's degree.

Five and ten units are the maximum for one semester and year, respectively.

RECORDS OF GRADUATE WORK.

At the close of the academic year, each professor shall file with the Dean of the Graduate School, a record of the year's work of each graduate student, showing, first, the quantity of each student's work, stated in unit graduate courses, as defined above, and second, the quality of this work stated in terms of the same system of grades as is used in the undergraduate Colleges.

EXAMINATIONS.

Final examinations for all advanced degrees shall be conducted jointly by the professor in charge of the major and minor subjects and shall be written and oral, or oral in part.

THESIS.

Copies of thesis for the Master's degree must be deposited with the Dean of the Graduate School not later than the first day of May in the year of which the degree is sought. The Master's thesis should demonstrate accuracy of thinking, clearness of expression, and ability to carry on independent investigation. The thesis must show literary merit. It must be submitted in prescribed typewritten form on unruled paper of good quality, 8½x11 inches in size, with a margin of one inch on the four sides of the page. The title page shall contain the words, "Submitted to the Faculty of the University of New Mexico in partial fulfillment of the requirements of the degree of——." A full list of authorities and books consulted and a short biographical sketch suitable for publication must be appended.

DEGREES.

The Master's degree is conferred upon students who successfully complete advanced study in one major subject and in one or two minor subjects, amounting to not less than eight graduate units, who pass a final examination, and who present a satisfactory thesis within the field of their major subject. If one minor be chosen, not less than one-half of the courses shall be in the major subject. If two minors be chosen, then to these two together shall be devoted one-half of the total time, and the remaining half shall be devoted to the major subject.

TIME REQUIRED TO OBTAIN MASTER'S DEGREE.

A well prepared and able graduate student may find it possible to attain his Master's Degree after one year of graduate study, provided he devotes his entire time for one year to this study and does not undertake teaching, tutoring, or any other outside work whatsoever. The amount of time and the number of unit credits are, however, not the only criteria, the satisfactory completion of the work being the final consideration.

COURSES IN THE DEPARTMENTS OF INSTRUCTION

Courses numbered 1-50 are open to Freshmen, 51-100 to none below Sophomore rank, 101-150 to none below Junior rank, 151-200 to none below Senior rank.

Courses bearing odd numbers are generally offered the first semester; courses bearing even numbers are generally offered the second semester.

DEPARTMENT OF BIOLOGY.

EDNA MOSHER, M.S., Ph.D., Professor.

ELSIE M. FOSTER, M.A., Instructor.

WILLIAM A. COLLINS, Student Laboratory Assistant.

Major Study.—To obtain the recognition for a major study in this Department, the student must obtain 24 hours' credit in the Department including courses 1, 4, 14, 54, and 61, but credits obtained in courses 1 and 14 shall not be counted towards fulfilling the requirement as to number of hours to be taken in a major study.

Minor study.—12 hours' credit in the Department, not including courses 1 and 14, but one of these courses must be taken in order to obtain recognition for a minor in this Department.

Equipment.—The Department of Biology is temporarily located in quarters in the Chemistry Building, the rooms including a large general laboratory 24 by 60 feet, a lecture room 24 by 50 feet, office, stock room, etc. The general laboratory is so equipped that different sections of the room may be used at the same time by various classes. The laboratory is well equipped for the courses offered, the apparatus including an adequate supply of microscopes, with such accessories as mechanical stages, micrometers, camera lucida, ultra-microscopic attachments; large collection of illustrative models and charts for use in the laboratory and the lecture room.

Primarily for Undergraduates.

1. **Zoology.** —A comparative study of the principles of structure, physiology, ecology, and development of animals. The laboratory work consists essentially of a detailed examination of one or more types in each phylum and a more superficial study of closely related organisms. A study of typical metazoan tissues is included. In the field, a beginning of the study of typical animal communities is made. Laboratory and field work, 3 hours, total 5 hours.

4. **Invertebrate morphology.**—The study of a series of invertebrates, their structure, development, and life history as illustrating certain biological principles. Prerequisite: Biology 1. Laboratory work 2 hours, total 3 hours.

14. Botany.—A study of the evolution of the plant kingdom and the underlying principles of plant life. Type studies of representatives of the principal plant groups. The life processes in the individual plant. Laboratory work 2 hours, total 5 hours.

16. Plant Identification.—A laboratory and field course in the identification and recognition of common flowering plants of New Mexico. While this is not a formal course in taxonomy, the general principles of plant classification will be considered. The manuals of Wooten and Standley, Coulter and Nelson, and Clements will be used. Prerequisite: Biol. 14. Laboratory and field work, 2 hours, total 2 hours each semester.

26. Elementary physiology.—A general survey of the human body with special attention to secretion, digestion, absorption, metabolism, and excretion. Prerequisite: Biology 1 and Chemistry 1. Lectures, demonstrations, and laboratory. 3 hours.

54. Vertebrate zoology.—A study of the classification of the Chordata with an introduction to their structure as illustrated by dissection of the shark. Brief study of vertebrate tissues; ontogeny and evolution of vertebrates. Prerequisite: Biology 1. Laboratory 2 hours, total 5 hours.

59. Vertebrate morphology and comparative anatomy.—Dissections of types of the common groups of vertebrates following the work given in 54, with the simpler outlines of comparative anatomy. Prerequisites: 1 and 54: Laboratory 3 hours, total 5 hours.

61. Heredity and evolution.—Heredity, variation, elements of biometry, proofs of organic evolution, probable factors involved. Prerequisite: 1. Laboratory work 2 hours, total 4 hours.

63. Microscopic technique.—Theory and practice of microscopical technique, fixation, staining, imbedding, section cutting and mounting material. Both plant and animal material will be used. Prerequisite: Biology 1 and 54. Laboratory work 2 hours, total 3 hours.

71. Entomology.—The structure, physiology, development and economic relations of insects. A discussion of the principles of taxonomy and their application to the classification of insects. Prerequisite: 1. Laboratory work, 2 hours, total 4 hours.

72. Medical entomology.—A study of insects and closely related invertebrates in relation to the transmission of disease. Prerequisite 71, or its equivalent. Laboratory work, 1 hour, total 3 hours.

82. Field zoology.—The field study, collection, and identification local fauna, including migratory birds. Prerequisite: 1. 71 is desirable. Laboratory and field work, 2 hours.

85. Ecology.—A study of the factors which make up the home of the organism. Response of the organism to its environment. Regional relations of animal life. Prerequisite: 71 is a desirable prerequisite. Laboratory and field work, 2 hours, total 4 hours. (Not given in 1923-24).

91. General bacteriology.—The morphology and physiology of bacteria and other micro-organisms involved in household problems; the

bacteria of water, sewage, food products, &c., followed by a general discussion of the pathogenic bacteria, the theories of disease and immunity and the use of disinfectants. This course is planned primarily to meet the needs of students in Home Economics. Prerequisites: Biology 1, Chemistry 1 and 2. Two lectures and two laboratory periods a week. 4 hours.

105. General embryology.—The development of the individual treated from its broadly biological standpoint. The main facts of development are considered in the laboratory. Prerequisites: 1, 54 and 59 or their equivalent. Laboratory work, 3 hours, total 5 hours.

151, 152. Seminar.—This course is designed specially to acquaint the student with some of the current literature of biology, and to correlate knowledge gained on different courses. Required of Juniors and Seniors who are majoring in Biology. 1 hour.

DEPARTMENT OF CHEMISTRY.

JOHN D. CLARK, M.S., Ph.D., Professor.

VEON KIECH, Student Assistant.

JAMES F. GEORGES, Student Assistant.

MRS. IRENE FEE LIGHTON, Student Assistant.

Major Study.—For a major course in this department the student must present credits in courses 1, 2, 51 and 52 or their equivalent, but courses 1, 2, and 51 shall not be counted towards fulfilling the requirements as to the number of hours taken in the major subject, except that, in the discretion of the professor in charge of the department, credits in excess of eight hours gained in these courses may be so counted.

Minor Study.—For a minor the student must present credits in courses 1, 2, 51 and 52.

Equipment.—The department of Chemistry is housed in the new Chemistry Building which was completed in 1918. The building is thoroughly fireproof and strictly modern. It is equipped for accommodating two hundred students. A large freshman laboratory, a laboratory for qualitative analysis, and a quantitative and organic laboratory occupy the larger portion of the building. A small special laboratory, a chemistry library, a balance room, offices, stock rooms, lavatories, locker rooms, and an apparatus room, together with a large lecture hall, make up the total space devoted to chemistry within the building. Within the patio of the building are to be found work benches equipped with gas and water, so that students may do much of the ill-smelling laboratory work in the open air. Modern, fan-ventilated hoods serve to keep the indoor laboratories free from disagreeable odors. The laboratories are well equipped with the usual apparatus needed in the study of chemistry in its various branches. Apparatus for research is added as needed.

Primarily for Undergraduates.

1. **Inorganic chemistry.**—Lectures and recitations on general and theoretical chemistry, illustrated by demonstrations, charts, lantern slides, specimens, etc. Solution of chemical problems is required. Laboratory 1 period a week. 4 hours.

2. **Inorganic Chemistry.**—Course 2 is a continuation of 1, but the time will be spent mainly on the metallic elements, their metallurgy, salts, etc. Prerequisite: 1. Laboratory, 1 period a week. 4 hours.

51. **Qualitative analysis.**—Laboratory practice with occasional lectures. The student is expected to become proficient in the separation and detection of the common acids and bases, and to keep a full set of notes. Frequent quizzes are given. These dwell upon the theory of the work. Prerequisites: 1 and 2. 5 hours.

52. **Quantitative Analysis.**—This course gives practice in the greatest variety of manipulation. Types of the important methods are taken up. Analysis of ores, metals, slags, alloys, fuels, soils, fertilizers, dairy products, food stuffs, waters, urine, poisons, drugs, gases, and oils are taken. The needs of the individual student will be considered in the work. Prerequisite: 51. Laboratory, 10 hours. 5 hours.

61. **Organic chemistry.**—Lecture and recitations. A study of the chemistry of the carbon compounds. Laboratory work taken in Course 62. Prerequisites: 1, 2 and 51. 3 hours.

62. **Organic chemical laboratory.**—This course consists mainly of laboratory practice in preparing and purifying organic compounds and a study of qualitative organic reactions and analysis. Prerequisite: 61. Laboratory work, 3 hours. 3 hours.

67. **Household chemistry.**—This course consists mainly of laboratory work in carbohydrates, fats, protein, milk, blood, urine, &c. Prerequisite: 1 and 2. 3 hours.

101-102. **Quantitative Analysis.**—Continuation of 52. Laboratory 10 hours. 5 hours, each semester.

For Advanced Undergraduates and Graduates.

110. **Physical Chemistry.**—This work consists of advanced study of chemical theory. As far as possible, lectures touch the whole field of physical chemistry. Students are required to do a great deal of supplemental reading in works of the best authors in the different branches of the science. Prerequisite: 1, 2, 51 and 52. 5 hours. (Not given in 1923-1924.)

112. **Industrial chemistry.**—This course consists of lectures on chemical manufactures such as sugar, sodium carbonate, fertilizers, sulfuric acid, glass, matches, paints, dyes, illuminating gases, petroleum, etc. The lectures will be illustrated by lantern slides and charts. Prerequisites: 1, 2, and 51. 2 hours. (Not given in 1923-24.)

113. Metallurgy.—This course consists of lectures describing the processes employed in the smelting of iron, lead, copper, zinc, silver, gold, etc. Prerequisite: 1, 2, and 51. 2 hours. (Not given in 1923-24.)

151. Quantitative analysis.—Continuation of 102. Laboratory 10 hours. 5 hours.

DEPARTMENT OF CIVIL ENGINEERING.

HARRY L. DOUGHERTY, B.S., Assistant Professor.

51. Elementary surveying.—The theory, use and adjustment of instruments. The determination of distances with chain and tape; the determination of areas with transit and compass; profile and differential leveling. Prerequisite: Math. 11. Recitation 2 hours per week, field 6 hours per week. 4 credit hours.

52. Topographical surveying.—The theory and use of the plane table, stadia, and other instruments used in making topographical survey. Base line measurement and triangulation. Prerequisite: C. E. 51. Recitation 1 hour per week, field 6 hours per week. 3 credit hours.

101. Railway curves and earthwork.—A study of railroad curves and earthwork. The theory and use of simple, compound, and spiral curves, study of frogs, switches, and turnouts. Taken with C. E. 103. Prerequisite: C. E. 52. Recitation 3 hours per week 3 credit hours.

103. Railroad engineering.—The principles of economic location of railways. Taken with C. E. 101. Prerequisite: C. E. 52. 6 hours field work per week 2 credit hours.

105. Analytical mechanics.—The mechanics of engineering problems. Statistics, kinetics, work, energy, impulse and momentum, etc. Prerequisite: Math. 51. 4 recitation hours per week. 4 credit hours.

108. Mechanics of materials.—The mechanics of materials and problems in engineering construction. Theory of beams, columns, and shafts. The study of requirements for structural materials. Prerequisite: C. E. 105. 3 recitations per week. 3 credit hours.

110. Hydraulics.—Elementary theory of hydraulics and water power including the principles of hydrostatic and hydrodynamic pressures, flow through orifices, weirs, tubes, pipes, nozzles, conduits, canals and rivers, with a brief discussion of water wheels, turbines and pumps. Prerequisite: C. E. 105. 3 recitation hours, per week. 3 credit hours.

151. Graphic statics.—Elements of graphic statics. Graphical solution of problems in mechanics; determination of stresses in beams, roof trusses and bridges. Prerequisite: C. E. 108. Recitation 2 hours, and drawing room 4 hours per week. 3 credit hours.

153. Masonry construction.—The study of the nature of stone, brick, lime, cement, sand, gravel and concrete as applied to engineering. The methods of constructing culverts, retaining walls, arches and foundations including those under water. Prerequisite: C. E. 108. 3 recitation hours per week. 3 credit hours.

154. Reinforced concrete.—The principles of reinforced concrete beams, slabs, columns, retaining walls, dams, arches and other structures. Prerequisite: C. E. 153. 2 recitation hours per week. 2 credit hours.

155. Theory of structures.—A study of the principles governing the stresses in beams, girders and trusses. Analytical method employed in finding shears and moments in beams and trusses, and centers of gravity and moments of inertia in rolled and built-up sections. Prerequisite: C. E. 108. 3 recitation hours per week. 3 credit hours.

156. Structural design.—The design of structures of steel, masonry, plain and reinforced concrete, including beams, dams, arches, plate girders, roof and bridge trusses, etc. Both algebraic and graphical methods are used. Prerequisite: C. E. 155. Drawing room 12 hours per week. 4 credit hours.

157. Highway engineering.—This course covers the location, construction, maintenance, cost, durability and methods of financing all types of country roads and city pavements. Prerequisite: C. E. 52. 3 recitation hours per week. 3 credit hours.

158. Masonry tests.—Laboratory course in the standard methods of testing concrete materials. Prerequisite: C. E. 153. 3 laboratory hours per week. 1 credit hour.

161. Water supplies.—The principal features of the water supply engineering including the study of the quantity of water required for municipal supplies, estimation of flow from drainage basins, computation of necessary storage. A study of the principles of design of dams, conduits and distributing systems. Conditions affecting the quality of water and methods of purification. Prerequisites: C. E. 110. 3 hours recitation per week. 3 credit hours.

163. Irrigation engineering.—A discussion of the different methods of irrigation, the control of irrigation water, and works for distribution and storage. Prerequisite: C. E. 110. 2 recitation hours per week. 2 credit hours.

164. Sewerage.—Instruction in the principles involved in the design and construction of sewers; the disposal of sewage and garbage; sewage treatment by up-to-date methods. Prerequisite: C. E. 110. 3 recitation hours per week. 3 credit hours.

165. Sanitary design.—The student is required to design, subject to the criticisms and suggestions of the instructor, a water supply system, or a sewage system for a small town. Prerequisites: C. E. 161 and C. E. 164. Drawing room 3 hours per week. 1 credit hour.

170. Contracts and specifications.—The law governing engineering practice, contracts, and specifications. 2 recitation hours per week. 2 credit hours.

181. Seminar.—Readings and discussions of engineering topics. Each student presents papers upon assigned topics and participates in the discussion of others. 2 recitation hours per week. 2 credit hours.

182. **Seminar.**—A continuation of C. E. 181. 2 recitation hours per week 2 credit hours.

200. **Thesis.**—The analysis and solution of a satisfactory problem in civil engineering. Subject to be chosen during first semester. 3 credit hours.

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION.

FRED FEASEL, M.A., Associate Professor.

Group requirements.—Courses 15 and 18 are accepted towards the requirement of Group II.

Major study.—A major in this department consists of a minimum of 24 hours other than Courses 15 and 18, but must include 53 and 54.

Minor study.—A minor study in this department consists of 12 or more hours other than Courses 15 and 18.

Primarily for Undergraduates.

15. **Principles of economics, I.**—Industrial society. This course represents a general survey of industrial society, its structure, its institutions, and its operations. The course is designed to serve as an introduction to the later work in economics, which is so arranged as to constitute progressively more intensive studies in the field here rapidly surveyed. 3 hours.

18. **Principles of economics, II.**—Value and distribution in industrial society. A study of the laws of production, exchange, distribution, and consumption of wealth, combined with an analysis of the industrial action of men as regards land, capital, wages, etc. Prerequisite: 15 3 hours.

53-54. **Principles of accounting.**—Fundamental principles of accounting. Theory of debit and credit: statements, accounts and books of original entry. Prerequisites: 15 and 18. Credit not given for either semester separately. Two recitations and one two-hour laboratory period each week, 3 hours each semester.

65. **Salesmanship.**—The principles and practice of selling. The selling proposition. Efforts to develop quick and constructive thinking, finding the prospect, securing the interview, the pre-approach, closing the sale, the follow-up; retail and wholesale selling, selling in relation to advertising. Prerequisites: 15 and 18. (Not given in 1922-23). 2 or 3 hours.

66. **Advertising.**—The underlying principles of advertising. The advertising campaign, plans, costs, methods, and media; advertising agencies; advertising and selling, competition, trade-marks and copyrights. Prerequisites: 15 and 18. 2 or 3 hours. (Not given in 1922-23).

67. Business organization and administration.—This is a general survey from the point of view of the business manager, of the problems of business administration. A study is made of business organization, and of the problems connected with production, marketing, finance, etc. Prerequisites: 15 and 18. 3 hours. (Given in alternate years. Not given in 1922-23).

For Advanced Undergraduates and Graduates.

103-104. Advanced principles of accounting.—The principles of modern accounting, including a study of some of its problems, especially those connected with the balance sheet and the income statement, as the valuation of assets, and the treatment of good will, depreciation, capital stock, profits, surplus, etc. Prerequisites: 15, 18, 53 and 54. 3 hours each semester. (Given in alternate years. Not given in 1923-24).

111. Money and banking.—The nature and functions of money; the relation between money and price levels; the various types of financial institutions, including the Federal Reserve System, national and state banks, investment banks, and the like. Prerequisites: 15, 18 and registration in 53. 3 hours. (Given in alternate years. Not given in 1923-24).

114. Federal income tax.—A study in Federal income tax procedure; interpretation of law, regulations, and court decisions; determination of taxable income for individuals, corporations, etc; solution of tax problems; making of returns. Prerequisites: 15, 18, 53 and 54. 3 or 4 hours. (Not given in 1923-24).

131-132. Business law.—Contracts, negotiable instruments; agency; partnerships; business corporations; sales of personal property; bailments and carriers, guaranty and suretyship; insurance; real property; landlord and tenant. 3 hours each semester. (Given in alternate years. Not given in 1922-23).

133. Public finance and taxation.—A study of the financial administration, revenues, expenditures, and indebtedness of public bodies, our federal, state and local governments. Proposed tax reforms, the income tax, the single tax, the classified property tax, and the use of the budget are considered. Prerequisites: 15, 18, 53 and 54. 2 hours. (Not given in 1923-24).

135.—Public finance and investments.—In this course corporate finance will be studied chiefly with the object of securing the knowledge prerequisite to a study of corporate investments. The topics will include the function and position of the investor, and the sources of information and methods for estimating the value of securities. Prerequisites: 15, 18, 53, 54 and 111. 3 hours. (Not given in 1922-23).

151. Third year accounting.—A study of the accounting features peculiar to various businesses, together with the designing of accounting systems. Prerequisites: 15, 18, 53, 54, 103 and 104. 3 hours each semester. (Not given in 1923-24.)

153. Public accounting and auditing.—A study of advanced theory and the solution of typical C. P. A. problems will form the ground-work of the course. Prerequisites: 15, 18, 53, 54, 103 and 104. 3 hours each semester. (Not given in 1923-24).

154. Economics seminar.—This course is open to students majoring in Economics and Business Administration who have the permission of the instructor. Reports and discussions of current economic and social questions viewed especially in the light of economic theory. 2 hours. Second semester.

DEPARTMENT OF EDUCATION.

CHARLES E. HODGIN, B.Pd., Professor.

BENJAMIN F. HAUGHT, A.M., Ph.D., Associate Professor of
Psychology and Education.

Major Course.—A major study in Education consists of 24 credit hours and can be completed by attending summer session.

Minor study.—A student electing Education as a minor will be expected to complete 12 hours from the courses offered.

Professional high school teacher's certificate.—Courses 101, 102, and 131, are advised for students who desire a professional high school teacher's certificate.

101. History of education.—Relation of education to civilization. Survey of education in the Orient. Development of educational ideals in the ancient classical nations, and in Europe from the beginning of Christian education to the present. Study of educational theorists and leaders. 5 hours.

102. Education in America.—European influences which shaped early educational practices in the Colonies. Education during revolutionary and reorganization periods. Study of leading American educators, and educational institutions. 5 hours.

115. New Mexico school law.—Early educational conditions and school laws in New Mexico as a territory. The change of education with statehood. The present school laws and school system. 1 hour.

121. Educational classics.—A study of some of the best educational classics chosen from the writings of great philosophers and educators of ancient and modern times. 1 hour.

131. Principles of education.—Emphasis upon secondary education and its place in the school system. Distinction of elementary and secondary education. Consideration of education as physiological, sociological and psychological adjustment. Educational aims, values, and general methods. Adjustment of individual to institutional life. Prerequisite, 3 credit hours in General Psychology. 4 hours.

134. Current educational problems.—Designed to acquaint students with current educational thought as appearing in leading journals, periodicals, bulletins, surveys, and reports. Discussion of modern ideas and

tendencies in education, and current problems. Socializing school centers. Visual education. 1 hour.

135. School administration and management.—The fundamental laws that underlie the organization of the school. The different factors to be held in unity. American ideals back of school system. Adapting courses of study to social needs. Changed conceptions of the function of the school and reforms in its organization and administration. 3 hours.

NOTE:—For courses in Psychology, Educational Psychology, Tests of Achievement, Intelligence Tests, given by Dr. Haught, see page 100. Credits in Psychology 105, 106, 111, 112, Hygiene 72, and courses for teachers in various departments, may be counted as credits in Education.

DEPARTMENT OF ELECTRICAL ENGINEERING.

CHARLES EDWARD CAREY, B.S., E.E., Associate Professor.

VERNON B. WILFLEY, Student Assistant.

1. Engineering lectures.—A course designed to give the student an adequate conception of the general field of engineering and of the duties and requirements of the professional engineer. 2 hours per week. 2 credit hours.

101. Direct and alternating current machinery.—Advanced work in electricity and magnetism. Electric circuits, direct and alternating current machinery and instruments. Prerequisite: Physics 52. 4 recitation hours per week. 4 credit hours.

102. Alternating currents.—A study of alternating currents and voltages, sine waves, vectors, and elementary alternating current machinery. Prerequisite: E. E. 101. 3 recitation hours per week. 3 credit hours.

103. Heat power engineering.—General theory of heat engines. Steam engines, turbines and internal combustion engines. Prerequisites: Physics 51 and 52. 3 recitation hours per week. 3 credit hours.

104. Heat power engineering.—A study of the types of engines, boilers, steam turbines and internal combustion engines, their characteristics and applications. Prerequisite: E. E. 103. 3 recitation hours per week. 3 credit hours.

106. Electrical laboratory.—Experimental work with direct current circuits and direct current machinery. To be taken with or after E. E. 101. 6 laboratory hours per week. 2 credit hours.

107. Electrical laboratory.—Experimental work with direct and alternating current machinery. For engineering students taking civil, chemical, and geological engineering. 6 laboratory hours, 2 credit hours.

108. Direct and alternating current problems.—Solution of problems in direct and alternating current circuits and machinery together with elementary transmission line and transformer design. To be taken with E. E. 102. 2 hours per week. 2 credit hours.

110. **Steam laboratory.**—Operation of and testing for mechanical and thermal efficiency of steam and internal combustion engines. Prerequisite: E. E. 103. 3 laboratory hours per week. 1 credit hour.

151. **Alternating current machinery.**—Alternators, motors, converters, regulators and instruments. Prerequisite: E. E. 102. 4 recitations per week. 4 credit hours.

152. **Advanced alternating current machinery.**—Advanced study of special apparatus, rotary converters, induction regulators, induction generators and instruments. Prerequisite: E. E. 102. 4 recitations per credit hours.

153. **Alternating current problems.**—Solution of the more difficult problems arising in the theory of alternating currents. Prerequisite: E. E. 102. 1 hour per week. 1 credit hour.

154. **Electrical laboratory.**—Experimental work with special apparatus, rotary converters, frequency changers, etc. To be taken with E. E. 152. 6 laboratory hours per week. 2 credit hours.

155. **Electrical laboratory.**—Operation and testing of alternating current machinery and combinations of direct and alternating current machinery. To be taken with E. E. 151. 6 laboratory hours per week. 2 credit hours.

161, 162. **Design of electrical machinery.**—Study and design of direct and alternating current machinery; including calculations and drawings. Prerequisite: E. E. 102. 1 lecture and 6 design room hours throughout the year. 3 credit hours per semester.

171. **Electrical laboratory.**—A continuation of E. E. 106 and elementary laboratory work in alternating current machinery. 6 laboratory hours. 2 credit hours.

182. **Electrical engineering seminar.**—Assigned readings and reports study and discussion of current technical literature. Prerequisite: E. E. 151. 1 hour per week. 1 credit hour.

192. **Power plant engineering.**—A detailed study of the electric generating and substation equipment, arrangement, and location. Prerequisite: E. E. 102. 3 recitation hours per week. 3 credit hours.

193. **Electric railways.**—Dynamics of electric train movements and predetermination of curves necessary to selection of proper car and power equipment. Alternating current railways, electric locomotives, and electrification of steam roads. Prerequisite: E. E. 102. 5 recitation hours per week. 3 credit hours. (Given 1924-'25.)

194. **Elements of radio engineering.**—A theoretical study of the principles of radio communication. 3 lecture hours per week. 3 credit hours. This course will be given alternate years with E. E. 193. It is to be given in 1923-24.

196. **Transmission line calculations.**—Exact and approximate solutions of transmission problems. Design of transmission lines. Transmis-

sion line construction and protection. Prerequisite: E. E. 151. 2 recitation hours per week. 2 credit hours.

200. Electrical engineering thesis.—The analysis and solution of a satisfactory problem in electrical engineering. Subject to be chosen during the first semester. 3 credit hours.

DEPARTMENT OF ENGLISH.

LEWIS BURTRON HESSLER, A.M., Ph.D., Professor.

GEORGE SHELTON HUBBELL, A.M., Ph.D., Assistant Professor.

CLARISSA M. PARSONS, Student Assistant.

Major study.—For a major study, candidates must complete 24 credit hours in courses numbered above 50. These should include the following: 58 or 61, 78 or 81, 91, 141, 142 or 145, 146.

Minor studies.—For a minor study, candidates must complete 12 credit hours in courses numbered above 50.

Group requirements.—Courses 1, 2, and an additional 2 or 3 hour course, are prescribed for students in Arts and Science, to meet the requirements of Group I A. Courses 1, 2, and 61 are required of students in engineering.

Primarily for Undergraduates.

1 and 2. Freshman composition.—The principles and practice of composition. 3 hours. (Hessler and Hubbell).

3 and 4. Same as the above.—For engineers. 3 hours. (Hubbell).

43. History of English literature.—Prescribed for students who intend to take English as a major or a minor subject. Such students may not take the course before the sophomore year. Open also to others who have taken courses 1 and 2. 3 hours. (Hessler and Hubbell). (Not given in 1923-24).

58. Argumentation and debate.—Training in the use of formal logic, supplemented by practice in debate. Prerequisite: English 1 and 2. 2 hours. (Hubbell).

61. Advanced composition.—Practice in the writing of expository and narrative. Prerequisite: English 1 and 2. 2 hours. (Hessler).

78. The romantic movement.—Reviews the beginning of the romantic movement in the 18th century, and takes up a detailed study of the poetry and prose of the early 19th century. Prerequisites: English 1, 2, 43. 3 hours. (Hessler).

81. The Victorian period.—A careful study of representative poets and prose writers of the 19th century from 1830-1890. Prerequisites: English 1, 2, 43. 3 hours. (Hubbell).

82. American literature.—A general survey of the whole field down to 1880, with more intensive study of the great writers of the 19th century. Prerequisite: English 1 and 2. 3 hours. (Hubbell). (Not given in 1923-24).

85. **The novel.**—An historical survey of the English novel from Fielding to Hardy, with reading and study of representative novels. Prerequisite: English 1 and 2. 2 hours. (Hessler). (Not given in 1923-24).

91. **History of the English language.**—Special attention is given to the relation between linguistic and cultural changes. Prerequisite: English 1 and 2. 2 hours.

95 and 96. **Masterpieces of Greek literature in English translation.** See Greek 95 and 96. 2 hours. (Mitchell).

Primarily for Advanced Undergraduates.

102. **Criticism.**—A consideration of the history and theory of criticism, together with an analysis of the principal art forms. Prerequisites: English 1, 2, 43. 2 or 3 hours. (Hessler).

131. **The essay.**—The history of the essay, with practice in writing it. Prerequisites: English 1, 2, 43. 3 hours. (Hessler). (Not given in 1923-24).

141. **Shakespeare.**—A detailed study of selected plays. Prerequisites: English 1, 2, 43. 3 hours. (Hessler).

142. **Elizabethan drama.**—The dramatic works of Shakespeare's immediate predecessors and contemporaries, with special attention to their influence on Shakespeare's plays. Prerequisites: 1, 2, 43. 3 hours. (Hubbell).

145. **Spenser.**—Spenser, and the Renaissance in English poetry. Prerequisites: English 1, 2, 43. 3 hours. (Hubbell). (Not given in 1923-24).

146. **Milton.**—Most of Milton's poetry will be read, and some representative prose and verse of other writers of the period. Prerequisites: English 1, 2, 43. (Hessler).

151. **Chaucer.**—Chaucer, and a general survey of 14th century literature. Prerequisites: English 1, 2, 43, 91. 3 hours. (Hubbell).

152. **Old English.**—A short review of Old English grammar, with a reading of selected writings. Prerequisites: English 1, 2, 43, 91. 3 hours. (Hubbell). (Not given in 1923-24).

DEPARTMENT OF GEOLOGY.

ROBERT W. ELLIS, M.A., Professor.

Group requirements.—Courses in Geology are accepted towards fulfillment of the requirements of Group III.

Major study.—A major study in this department consists of 24 credit hours in courses other than 1 and 3.

Minor study.—A minor study in this department consists of 12 credit hours in courses other than 1 and 3.

1. **Physical geology.**—Elementary chemistry and physics should precede. 4 hours.

2. **Historical geology.**—Prerequisite: Geology 1. 4 hours.

3. **Meteorology.**—Weather and climate. 2 hours.

4. **Geography of North America.**—Geology 1 should precede. 2 hours.

51, 52. **Mineralogy.**—Prerequisite: Elementary chemistry. 2 hours each.

For Advanced Undergraduates and Graduates.

101, 102. **Economic geology.**—Building stones, coal, ores, oil, etc. Prerequisites: Geology 1, 2, 51 and 52. 3 hours each.

103. **Paleontology.**—Prerequisites: Geology 1 and 2, Biology 1. 3 hours. (Not given in 1923-1924).

104. **Petrology.**—Prerequisites: Geology 51 and 52. 3 hours. (Not given in 1923-1924).

105. **New Mexico geology.**—Prerequisites: Geology 1 and 2. 2 hours.

106. **Geologic mapping.**—Prerequisites: Geology 1 and 2 and C. E. 52. 2 hours.

151. **Advanced geology.**—Reading and research in special problems. 2 to 5 hours, either semester.

DEPARTMENT OF GREEK AND LATIN

LYNN BOAL MITCHELL, M.A., Ph.D., Professor.

GREEK.

Group requirements.—Courses 95 and 96 are not accepted towards the requirement in Group I-B.

Major and minor studies.—Not offered at present time.

Miscellaneous.—Courses numbered above 90 receive credit in the Department of English. Classes will not be organized for small number of applicants.

Primarily for Undergraduates.

1. **Elementary Greek.**—The common forms, idioms, constructions, and grammatical principles of Attic Greek are studied. 4 hours. (Not given in 1923-24).

2. **Elementary reading course.**—Xenophon: Anabasis, Books I-III, or the equivalent. 3 hours. (Not given in 1923-24.)

4. **New Testament.**—Prerequisite: 1. 1 hour. (Not given in 1923-24.)

12. **Composition and grammar.**—Intended to accompany 2. 1 hour. (Not given in 1923-24.)

95. Greek literature in English translation: poetry.—Epic, lyric and dramatic poetry. No previous knowledge of Greek is required for admission to the course, the only prerequisite being one course in English. Same course as English 95. 2 hours.

96. Greek literature in English translation: prose.—The rise and development among the Greeks of the writing of history, oratory, philosophy, romance, and literary criticism. Same prerequisite as for 95. Same course as English 96. 2 hours.

LATIN.

Group requirements.—Courses up to and including 106 may be counted towards fulfilling requirement of Group I-B.

Major study.—A major study consists of 24 credit hours earned in courses exclusive of 1 and 2.

Minor study.—A minor study consists of 12 credit hours earned in courses exclusive of 1 and 2.

1. Beginning Latin.—This course is for students who have not previously studied Latin, and covers approximately the work completed in one year of high school. 5 hours. (Not offered in 1923-24.)

2. Caesar and composition.—Selections from Caesar to the amount of four books or their equivalent. Further study of grammar and syntax, but the chief aim of the course is to acquire speed and facility of translation. 5 hours. (Not offered in 1923-24.)

21. Freshman Latin: literature.—Cicero: de Senectute and Sallust. 3 hours.

22. Freshman Latin: literature.—Livy and Horace: Odes and Epodes. 3 hours.

31, 32. Freshman Latin: composition and grammar.—Intended to accompany 21 and 22. 1 hour each semester.

51. Sophomore Latin: literature.—Selections from Catullus and Pliny the Younger or Tacitus. 3 hours. (Not given in 1923-24.)

52. Sophomore Latin: literature.—Two comedies of Plautus and one of Terence. 3 hours. (Not given in 1923-24.)

For Advanced Undergraduates and Graduates.

101, 102, 105, 106. Advanced Latin.—Courses in Tacitus, Apuleius, Petronius, Latin hymns, Roman philosophy, and satire, by arrangement, each 3 hours.

137, 138. Roman political institutions.—The Roman constitution, contributions of Romans to modern government in such matters as the initiative, referendum, recall, conservation of resources, government of cities and provinces, imperialism, balance of power, etc. Prerequisites: History 12 credit hours. 2 hours. (Not given in 1923-24.)

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE.

CHARLES F. COAN, M.L., Ph.D., Professor.

FRANK REEVE, Student Assistant.

HISTORY.

Group requirements.—Courses in History are accepted toward fulfillment of the requirement in Group II.

Major study.—Students taking a major in History will be required to complete 24 credit hours in the department, exclusive of courses 1 and 2.

Minor study.—Students taking a minor in History will be required to complete 12 credit hours in the department, exclusive of courses 1 and 2.

Advanced work.—Courses are arranged to provide a foundation for advanced work in the History of the Arid Southwest.

Primarily for Undergraduates.

1. **History of Europe.**—From the Reformation to the French Revolution. 3 hours.

2. **History of Europe.**—From the French Revolution to the present. 3 hours.

51. **Colonization of North America.**—From the Age of Discoveries to the Peace of Utrecht. 3 hours. (Not given 1923-24).

52. **Colonization of North America.**—From the Peace of Utrecht to the adoption of the Constitution of the United States. 3 hours. (Not given 1923-24).

For Advanced Undergraduates.

101. **History of America.**—From the adoption of the Constitution to the Civil War. 3 hours. (Not given 1923-24).

102. **English history.**—From the Roman invasion to the overthrow of James II. 3 hours.

121. **English history.**—From the Roman invasion to the overthrow of James II. 3 hours.

122. **English history.**—From the overthrow of James II. to the present. 3 hours.

137, 138. **Roman history.**—Same as Latin 137, 138. 2 hours. Dean Mitchell. (Not given in 1923-24).

141. **History of the Arid Southwest.**—From pre-European times to the end of the Spanish period. 2 hours.

142. **History of the Arid Southwest.**—From the beginning of the American period to the present time. 2 hours.

171. **Pre-seminar in Western American History.** 2 hours.

172. **Pre-seminar in Western American History.** 2 hours

POLITICAL SCIENCE.

Group requirement.—Courses in Political Science are accepted toward fulfillment of the requirements in Group II.

Major and minor studies.—Not offered at present.

1. **American government.**—Political theory and national and state government. 3 hours.

2. **European governments.**—3 hours.

101. **Far Eastern relations.**—Relations of the European powers and the United States to China and Japan. 2 hours. (Not given 1923-24).

102. **American diplomacy.**—Foreign relations of United States from the American revolution to the present. 2 hours. (Not given 1923-24).

DEPARTMENT OF HOME ECONOMICS.

MRS. WALTER SIMPSON, Ypsilanti, Professor.

EDNA ROY, B.S., Instructor.

Major study.—To complete a major study in Home Economics, students must present credits in courses 11, 12, 53, 54, 61, 102, 105, 106, 127, 132, 181 and 194.

Minor study.—To complete a minor study in Home Economics, students must present credits to the total of 12 hours in courses bearing numbers above 50.

Primarily for Undergraduates.

8. **Elementary art.**—3 hours.

11. **Elementary handwork and sewing.**—A study is made of primitive forms of industrial work as weaving, crocheting, knitting, and basketry. As a foundation for later courses, all stitches and processes commonly used in sewing are studied and used in making simple articles. Commercial patterns are introduced. Two laboratory periods, and one lecture. 3 hours.

12. **Drafting and pattern making.**—Patterns are drafted to personal measurements, fitted and used in making undergarments. Prerequisite: 11. Two laboratory periods and one lecture. 3 hours.

53. **Foods and cookery.**—Food study in relation to source, composition, nutritive value, cost, and proper combinations. Practical work in beverages, cereals, vegetables, candy, eggs, milk, cheese, and meat. Prerequisite: Chemistry 1. One lecture and two laboratory periods. 3 hours.

54. **Foods and cookery.**—Continuation of 53. Practice includes flour mixtures, fats, salads, desserts, preparation and serving of breakfast, luncheon, and dinner. Attention is given to nutritive value, cost, artistic arrangement of table and food. Prerequisite: 53, and Chemistry 2. Two laboratory periods and one lecture. 3 hours.

61. Elementary dressmaking.—Study of materials as to cost, suitability, durability. Drafting, designing, working with silk and wool materials. Prerequisite: 12. 2 laboratory periods and 1 lecture. 3 hours.

62. Advanced dressmaking.—The history of costume. A plain silk dress and a thin dress are cut and made to cost, complete, less than a certain amount. Prerequisite: 61. Two laboratory periods and 1 lecture. 3 hours.

For Advanced Undergraduates.

102. Hygiene and home nursing.—Personal and domestic hygiene, the sick room, care of patient, contagion, disinfection, bandaging. 2 hours.

105. Foods.—Food preservation, food laws, canning and advanced cookery. Prerequisite: 54 and chemistry of foods. One lecture and two laboratory periods. 3 hours.

106. Foods.—Review of former courses, special study of the hundred calorie portion, the demonstration lecture, its purposes and results; method of presentation, equipment necessary. Prerequisite: 105. Two laboratory periods and one lecture. 3 hours.

127. Dietetics.—Dietary standards, relation of food to health, food requirements dependent on age, occupation, and health. Prerequisite: 106. 4 hours.

132. House management and sanitation.—Care of the house, household accounts, ventilation, water supply, heating, lighting, site and surroundings, the home as a social center. Prerequisite: 106. 3 hours (Not given in 1922-23).

135. Textiles.—Primitive and present day methods of manufacturing various kinds of cloth, the hygiene of clothing, planning of wardrobe for different members of family, special attention to layette. Prerequisite: 62. 3 hours.

181. Serving of meals.—Actual experience in selecting and purchasing food not to exceed a certain sum. Cooking and serving of daily meals and meals for special occasions. Prerequisites: 106 and 127. Two lecture hours, six practice hours a week. 4 hours.

185. Embroidery.—Forms of decoration of clothing and articles of the home, knitting, crocheting, tatting, French embroidery, Swedish darning, weaving. Prerequisite: 62. Two laboratory periods. 2 hours.

194. Teachers' course.—Principles underlying curricula, methods of presentation, planning and equipping laboratories. Prerequisites: 106 and 62. 4 hours.

DEPARTMENT OF HYGIENE AND PHYSICAL EDUCATION.

ROY W. JOHNSON, B.S. (Michigan), Certificat (Universite de Portiers), Director.

KATHERINE McCOORMICK (Columbia), Instructor.

HYGIENE.

Major and minor studies.—No major study is at present offered in the Department.

Primarily for Undergraduates.

1, 2. **The principles of hygiene.**—General and personal hygiene. Required of all Freshmen. Two hours a week.

72. **Educational hygiene.**—This course is intended for prospective teachers, and includes treatment of health of children, school sanitation and hygiene, and discussion of matter and methods of hygiene instruction suitable for different grades. Prerequisite: Hygiene 1, 2. Two hours.

PHYSICAL EDUCATION.

Athletics, outdoor games and sports can be counted toward meeting this requirement, and may be substituted in some cases for the courses in gymnasium work indicated below. The following courses have two objects; to correct physical defects and weaknesses, and to be taken by students who otherwise are not taking sufficient exercise.

Courses for Men.

1, 2. **Freshman course.**—Drilling, army setting-up exercises, work on gymnasium apparatus, etc. 3 hours a week, $\frac{1}{2}$ credit hour, not counted toward a degree.

51, 52. **Sophomore course.**—Continuation of the preceding course introducing advanced work. 3 hours a week, $\frac{1}{2}$ credit hour, not counted towards a degree.

Courses for Women.

The uniform consists of blue serge bloomers, white middie, black tie, black hose and tennis or gymnasium shoes. For swimming a bathing suit and rubber cap are required.

5, 6. **Freshman course.**—Folk dancing, marching, apparatus, swimming, and out of door games such as Captain ball, volley ball, basketball, baseball, field ball, and tennis. Three hours a week, $\frac{1}{2}$ credit hour, not counted toward a degree.

55, 56. **Sophomore course.**—Advanced folk dancing, swimming and apparatus; a continuation of the games and athletic of 5 and 6. Three hours a week, $\frac{1}{2}$ credit hour, not counted toward a degree.

61, 62. **Advanced folk and national dancing.**—Open to those who have had folk dancing in 5, 6 and 55, 56, or its equivalent. Two hours a week, $\frac{1}{2}$ credit hour.

DEPARTMENT OF LIBRARY SCIENCE.

WILMA LOY SHELTON, B.A., B.L.S., Assistant Professor.

1. **Elementary library science.**—A general introduction to library methods with a survey of cataloging, classification, reference work, ordering and selection of books. Lectures and practice work. Two hours.

DEPARTMENT OF MATHEMATICS.

CHARLES ANTHONY BARNHART, M.A., Professor.

Group requirements.—Students in the College of Arts and Sciences may elect in the first two years from Mathematics 1, 2, 11, 12, 21, and 22, courses in which eight hours may be earned toward the fulfillment of the requirements of Group III.

Major Study.—A major study in mathematics consists of a minimum of thirty hours (including Mathematics 134, 143, 181, and 182) earned in courses other than Mathematics 1 and 2.

Minor study.—A minor in mathematics consists of a minimum of twenty hours earned in courses other than Mathematics 1 and 2.

Primarily for Undergraduates.

1. **Algebra.**—The more advanced topics of elementary algebra. Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit. 2 hours.

2. **Solid Geometry.**—Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit. 3 hours.

(Note:—The curriculum of the College of Engineering assumes that the student offers for entrance: algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit; solid geometry $\frac{1}{2}$ unit; but requires for admission only: algebra 1 unit; plane geometry, 1 unit. Each student offering the minimum entrance units in mathematics must register for and earn credit in Mathematics 1 for the first semester and Mathematics 2 for the second semester in addition to the regular engineering curriculum for the first year).

11. **Plane trigonometry.**—Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit. 3 hours.

12. **College algebra.**—Prerequisite: Entrance algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit. 3 hours. (Course 13 of 1921-22).

16. **Spherical trigonometry.**—This will be offered only upon the request of five or more students. Prerequisite: Mathematics 2, 11. 1 hour.

21, 22. **Plane analytic geometry.**—Prerequisite: Mathematics 11, 12. 3 hours and 2 hours, respectively. (Course 14 of 1921-22).

51, 52. **Differential and integral calculus.**—Prerequisite: Mathematics 2, 11, 12. 3 hours and 4 hours respectively.

For Advanced Undergraduates and Graduates.

(Note:—Offerings from the following courses will be limited in any one semester to a maximum of six hours).

131. **Modern geometry.**—Prerequisite: Mathematics 21, 22. 3 hours.
132. **Averages and mathematics of investments.**—Prerequisite: Mathematics 11, 12. 3 hours.
133. **Advanced calculus.**—Prerequisite: Mathematics 52. 3 hours.
134. **Differential equations.**—Prerequisite: Mathematics 52. 3 hours.
141. **History of mathematics.**—Prerequisite: Mathematics 52. 2 hours.
142. **Teacher's course.**—Prerequisite: Mathematics 21, 22. 2 hours.
143. **Theory of equations and determinants.**—Prerequisite: Mathematics, 21, 22. 5 hours
144. **Analytical geometry of space.**—Prerequisite: Mathematics 52, 3 hours.
- 181, 182. **Seminar.**—Prerequisite 20 hours in courses other than Mathematics 1 and 2. 2 hours.

(Note:—In any year one graduate course in either **projective geometry, theory of functions of a complex variable, theory of functions of a real variable, theory of statistics, or actuarial theory** will be offered upon demand if the schedule of the department permits).

DEPARTMENT OF MUSIC.

JOHN LUKKEN, B.S., B.M., Associate Professor of Voice and Theory.

MRS. D. W. FAW, Instructor in Piano and Pipe Organ.

LOUISE M. NICHOLS, Instructor in Piano.

Major Study.—A major study includes one course in each of the following: Theory of Music, Appreciation of Music, and sufficient credits in Piano, Organ, Voice or Public School Music, to make a total of 24 hours.

Minor Study.—The requirement for a minor study is one-half of the requirement for major study.

Fees.—Additional fees are charged, respectively, for Piano and for Pipe Organ. A limited number of regular students enrolled in chorus or ensemble singing may be given private instruction in Voice without additional charge, except in summer session. This privilege is not extended to special students.

Miscellaneous.—Each student of Voice, Piano or Organ, is required to give two successful performances in recital, each year.

THEORY OF MUSIC.

1. **Elementary course.**—Elements of music, notation, elementary harmony, inversions, progressions, ear training. 1 hour.

2. **Advanced course.**—Advanced harmony, analysis, counterpoint and composition of 2, 3, 4 part music. 1 hour.

3, 4. History and appreciation of music.—Throughout the year. 1 hour. (LUKKEN).

5. Public school music.—Vocal and ensemble music, elementary harmony, sight reading and methods. Prerequisite: Ability to read at sight in vocal or instrumental music. 2 hours. (LUKKEN).

6. Public school music.—Vocal, piano, ensemble music, conducting, rote songs, music materials, methods. 2 hours. (LUKKEN).

ENSEMBLE MUSIC.

The following courses are organized each year: Men's, Women's, Mixed Chorus, Orchestra and Band. 1-2 to 1 1-2 credit hours. (LUKKEN)

VOICE.

1, 2. Freshman course.—Tone production, exercises for the psychological influences on tone making and breathing, characteristic ear work and exercises to meet the individual needs of the student. One or two lessons a week, earning 2 or 4 credit hours, both semesters. (LUKKEN).

51, 52. Sophomore course.—Continuation of work of preceding course, exercises and songs for the development of facile tone production and general musicianship. Lutgen: No. 1; Concone, Spieker. One or two lessons a week, earning 2 or 4 credit hours, both semesters. (LUKKEN).

101, 102. Junior course.—Exercises and songs for style. Lutgen: Operatic Exercises, No. II; Concone Exercises. Recital and ensemble work. One or two lessons a week, earning 2 or 4 credit hours, both semesters. (LUKKEN).

151, 152. Senior Course.—Advanced exercises, intended to perfect a more free and instrumental style. Artistic interpretation of songs of superior quality. Recital and ensemble work. One or two lessons a week, earning 2 or 4 credit hours, both semesters. (LUKKEN).

PIANO.

1, 2. Freshman course.—Exercises for independence of fingers, scales in thirds and sixths in parallel, motion, chords, touch and technic. Studies from Loeschorn: Op. 66; Heller: Op. 46 and 47; Schmoll: Bk. I; Czerny: Op. 636 and Op. 299, Bk. I. Six pieces by standard classical and modern composers. Private recital work begun. Prerequisite: Ability to play correctly, with proper style and phrasing, major scales in all keys in octaves. Mozart: First Sonata; or Loeschorn; Op. 52; or the equivalent. 1 lesson a week earning two credit hours. (FAW, NICHOLS).

51, 52. Sophomore course.—Scales in thirds and sixths in contrary motion. Octaves begun. Mason: Touch and Technic, Vol. II; Czerny: Op. 299, Bk. II, III and IV. Studies from Kullak, Cramer, Schmoll: Bks. II and III; Bach: Easy Preludes and Fugues; Clementi: Sonatinas. 6 pieces from standard composers—Beethoven, Mozart, Grieg, Scharwenka, MacDowell, and modern composers. Private recital work continued. 1 lesson a week earning 2 credit hours. (FAW, NICHOLS).

101, 102. Junior course.—Octaves continued. Horvath Bk. I and II; Mason: Touch and Technic III; Czerny: Op. 740; Bach: Two and Three Part Inventions; Sonatas of Beethoven, Mozart, Hayden; Preludes and Nocturnes of Chopin; Solos from standard classical and modern composers—Moszkowski, Tschaiikowski, Henselt, Liszt, MacDowell, Cyril Scott and others. Public work emphasized. 1 lesson a week earning 2 credit hours. (FAW, NICHOLS).

151, 152. Senior course.—Octaves continued. Mason: Touch and Technic, IV; Cements: Gradus ad Parnassum; Bach: Well tempered clavichord; Chopin: Etudes, waltzes and nocturnes; Sonatas and concert pieces by Beethoven, Schumann, Liszt, Schubert, MacDowell, and modern composers. Public work continued. Complete recital program of sonatas, solos, etc. 1 lesson a week earning two credit hours. (FAW, NICHOLS).

PIPE ORGAN.

51, 52. Beginners' course.—Registration, manual touch, and expression emphasized. Stainer: The Organ; Nilson: The Pedal. Public recitals required. Prerequisites: Piano 1, 2; 51, 52 advised. (FAW).

PHYSICS.

ROBERT S. ROCKWOOD, M.S., Professor.

VERNON B. WILFLEY, Student Assistant.

Major Study.—Courses above 1 and 2 are accepted toward this requirement.

Minor study.—Courses above 1 and 2 are accepted toward this requirement.

Note.—Courses 51 and 52 may be taken without 53 and 54 by students of the College of Arts and Sciences. All laboratory periods are of 3 hours each.

1. General physics.—Intended to give a general knowledge of physics. Open to all students who do not offer physics as an entrance requirement. Lecture and problems 3 hours, laboratory, 1 period per week. 4 hours.

2. General physics.—A continuation of physics 1. Lectures and problems 3 hours, laboratory, 1 period per week. 4 hours.

51. Advanced General Physics.—Mechanics and heat. Lectures and recitations, 3 hours per week. Prerequisite: 1, 2, and trigonometry. 3 hours.

52. Advanced general physics.—Magnetism, electricity, sound and light. Lectures and recitations, 3 hours per week. Prerequisite: 51. 3 hours.

53. Laboratory physics.—Mechanics and heat. To accompany Physics 51. Discussion and problems, 1 hour; laboratory, 1 period per week, 2 hours.

54. Laboratory physics.—Magnetism, electricity, sound and light. To accompany Physics 52. Discussion and problems, 1 hour; laboratory, 1 period per week. 2 hours.

62. Household physics.—Intended for students in home economics. Lectures and recitations, 3 hours per week. 3 hours:

111. Electricity and magnetism.—Lecture and recitation, 2 hours per week. Prerequisites: 51, 52 and calculus. 2 hours credit.

113. Electrical measurements.—To accompany Physics 111. Laboratory 2 periods per week. 2 hours.

131. History of physics.—Lectures 2 hours per week. Prerequisite: 51 and 52. 2 hours.

152. Advanced light.—Lecture and recitations, 2 hours per week. Prerequisites: 51, 52 and calculus. 2 hours. (Given in 1921-22, alternating with Physics 162).

154. Light laboratory.—To accompany Physics 152. Laboratory 2 periods per week. 2 hours. (Given in 1921-22, alternating with 164).

162. Advanced heat.—Lectures and recitations, 2 hours per week. Prerequisites: 51, 52 and calculus. 2 hours. (Given in 1922-23, alternating with Physics 152-154).

164. Heat laboratory.—To accompany Physics 162. Laboratory, 2 periods per week. 2 hours.

DEPARTMENT OF PRACTICAL MECHANICS.

THOMAS T. EYRE, B.S., Professor.

Group requirements.—Courses in this department are open to all students. Courses 1, 3, 6, 11 and 16 are required in the Curricula in Chemical, Civil and Electrical Engineering; and courses 1, 3, 11 and 16 in the Curriculum in Geological Engineering.

Primarily for Undergraduates.

1. Elementary wood shop.—Bench and lathe work in wood. Practice in the interpretation of working drawings. Students who have had in their preparatory work an equivalent amount of wood work of acceptable quality may omit this course. 6 hours per week. 2 credit hours.

3. Advanced wood shop.—Patternmaking and cabinet work. Prerequisite; P. M. 1 or its equivalent. 6 hours per week. 2 credit hours.

6. Machine shop.—Bench, forging and machine work in metals. 6 hours per week. 2 credit hours.

11. General engineering drawing.—Freehand and mechanical lettering. The production of working drawings and practice in the common conventions used in making mechanical drawings. 6 hours per week. 2 credit hours.

16. Descriptive geometry.—Orthographic projection. The solution of practical problems involving the intersection and development of surfaces. The making of isometric, oblique and perspective drawings. Prerequisites: Math. 2 and P. M. 11. 6 hours per week. 2 credit hours.

DEPARTMENT OF PSYCHOLOGY.

BENJAMIN FRANKLIN HAUGHT, A.M., Ph.D., Associate Professor.

Group Requirements.—Courses 51 and 52, when accompanied by 61 and 62, are accepted toward fulfillment of the requirement in Group III.

Major study.—Students taking a major in psychology will be required to complete 24 credit hours in this department.

Minor study.—Students taking a minor in psychology will be required to complete 12 credit hours in this department.

Small laboratory fees will be charged in experimental courses.

Primarily for Undergraduates.

51. General psychology.—An introductory course treating the following topics: reactions, instincts, emotions, feelings, sensations, attention and intelligence. 3 hours.

52. General psychology.—A continuation of 51. The following topics are studied: learning, memory, association, perception, reasoning, imagination, will and personality. Prerequisite: 51. 3 hours.

61, 62. Experimental psychology.—Experiments in the field of action, feeling, attention, sensation, perception, illusions, and learning. Prerequisite or parallel: 51 and 52. 2 hours each semester.

For Advanced Undergraduates and Graduates.

101. Social psychology.—A study of behavior as influenced by other human beings; organization into opposing and co-operating groups; habits, customs, conventions, language, suggestion, imitation, emotions, and their relation to social progress; leadership, individual differences, and vocational guidance. Prerequisite: 51. 3 hours. 101 and 103 not both given in the same year.

102. Psychology of advertising.—A study of psychological principles of advertising, with exercises in measuring the merits of current advertisements. Prerequisite: 51. 3 hours.

103. Comparative psychology.—A survey of original researches dealing with experiments on instincts, heredity, learning, delayed reactions, multiple choice reactions. Prerequisite: 51. 3 hours. 101 and 103 not given in the same year.

105, 106. Educational psychology.—Instincts, habit, learning and individual differences with special emphasis upon educational problems. Prerequisite: 51. 3 hours each semester.

111. Achievement tests.—A survey of the available tests and scales; the general technique of giving and scoring tests; the tabulation and interpretation of results. Prerequisite: 51. 3 hours.

112. Intelligence tests.—A survey of group and individual tests; the technique of giving and scoring tests; interpretation of results. Prerequisite: 51. 3 hours.

151, 152. Advanced experimental psychology.—Exercises so selected and arranged as to familiarize the student with the methods, apparatus, and results of typical experiments in each of the approved lines of psychological research. Prerequisite: Consent of the instructor. 2 hours each semester.

155, 156. Special problems in psychology.—An experimental and statistical study of a problem selected by the student and approved by the instructor. Prerequisite; consent of the instructor. 2 hours each semester.

(Courses 151-156 are offered only when instructor's time permits.)

PHILOSOPHY.

115. Introduction to philosophy.—A general introductory course dealing with elementary philosophical problems. Prerequisite: 51. 3 hours.

116. History of philosophy.—A study of the development of modern thought. Prerequisite: 52 and 115. 3 hours.

DEPARTMENT OF ROMANCE LANGUAGES AND LITERATURE.

HELENE M. EVERS, M.A., Ph.D., Associate Professor.

ANITA M. OSUNA, M.A., Instructor.

Entrance requirements.—Students who enter with two units of French or Spanish may enroll in French 51 or Spanish 51. If they have not had a course in the respective language the preceding half year, they are admitted to these courses only by permission. Students who enter with four units may enroll in French 101 or Spanish 101.

Major study.—In Spanish, 24 credit hours above 1 and 2, including 103-104. No major study in French is offered at present.

Minor study.—In either language, 12 hours above 1, 2, including 53, 54.

FRENCH.

Primarily for Undergraduates.

A. English grammar.—Required of all students in beginning courses who have not had grammar in high school. 1 hour a week. No credit.

1, 2. Elementary French.—5 hours.

51, 52. Intermediate French.—Reading, 3 hours.

53, 54. Intermediate French.—Composition. 2 hours.

Primarily for Advanced Undergraduates.

101, 102. Modern drama.—The works of representative authors of the period will be studied. 3 hours. (Not to be given in 1923-24).

107, 108. Modern novel.—(Alternate with 101, 102). 3 hours.

SPANISH.

Primarily for Undergraduates.

A. English grammar.—Required of all students in beginning courses who have not had grammar in high school. 1 hour a week. No credit.

1, 2. Elementary Spanish.—5 hours.

51, 52.—Intermediate Spanish.—Reading, 3 hours.

53, 54.—Intermediate Spanish.—Composition. 2 hours.

Primarily for Advanced Undergraduates.

101, 102. Modern drama.—Alternating with 107-108. 3 hours.
(Not given in 1923-24.)

103, 104. Advanced composition.—Prerequisites: 53-54. 2 hours.

107, 108. Modern novel.—(Alternating with 101-102). 3 hours

151. Survey course.—To be arranged. 3 hours.

153. Phonetics.—2 hours.

154. Historical grammar.—3 hours.

192. Course for teachers.—2 hours.

SUMMER SESSION

DAVID SPENCE HILL, Ph.D., LL.D., President and Executive of the
Summer Session.

LYNN BOAL MITCHELL, Ph.D., Dean.

The State University of New Mexico, after a lapse of four years, resumed summer instruction in 1922 with a session of six weeks in length, which opened on June 10, and closed on July 26. The Summer Session of 1923 will open on June 11 and close on July 26.

PURPOSE.

A large variety of courses is offered in the College of Arts and Sciences, with special attention given to the needs of teachers and prospective teachers. All courses may be counted towards the baccalaureate degree, unless otherwise specified, and in some cases arrangement may be made to pursue work leading to the master's degree.

The purposes of the summer session are to enable regular students to put ahead the day of their graduation, to obtain instruction in courses not offered in the regular session, and to afford to all interested adults an opportunity to turn their vacation to account. Numerous courses are designed particularly for ambitious teachers, principals and superintendents, and coaches of athletic teams. Teachers who desire to attend only so long as is necessary to meet the requirement of Institute attendance are also welcomed.

ADMISSION.

Admission to regular status in courses for which credit toward a degree is granted is limited to students who can meet the regular requirements of admission. Any person, however, who is over twenty-one years of age (eighteen years of age in the case of teachers) may be admitted subject to the general regulations of the University relating to special students.

MISCELLANEOUS INFORMATION.

All information desired relating to courses, credit, requirements for degrees, tuition, fees, board and lodging on the campus, &c., may be found in the Summer Session Bulletin which will be sent free on request.

COURSES OF STUDY, SUMMER OF 1922.

- Administration of Public Education, President Hill.
Principles of Secondary Education, Dean Mitchell.
Educational Psychology, Professor Haught.
Tests and Measurements, Professor Haught.
Classroom Organization and Management, Supt. Bickley.
History of Education, Supt. Bickley.
Educational Hygiene, Miss McCormick.
Teachers' Course in English, Professor Hessler.
Teachers' Course in Home Economics, Mrs. Simpson.
Course for Teachers of Latin, Dean Mitchell.
Course for Teachers of Mathematics, Professor Barnhart.
Course for Teachers of Science, Professors Clark and Rockwood.
Applications of Chemistry, Professor Clark.
Chemistry of Foods, Professor Clark.
Qualitative, Quantitative, and Commercial Analysis, Professor Clark and Mr. Lighton.
English Composition, Professor Hessler.
Survey of English Literature, Assistant Professor Hubbell.
Survey of American Literature, Assistant Professor Hubbell.
The Victorian Period, Assistant Professor Hubbell.
The Essay, Professor Hessler.
Shakespeare, Professor Hessler.
Elizabethan Drama, Assistant Professor Hubbell.
United States History, 1865-1922, Associate Professor Coan.
New Mexico History and Civics, Associate Professor Coan.
American Government, Associate Professor Coan.
Elementary Handwork and Sewing, Miss Roy.
Foods and Cookery, Miss Roy.
Household Management, Mrs. Simpson.
Textiles, Miss Roy.
Coaching of Football and Track, Director Johnson.
Coaching of Basketball and Baseball, Director Johnson.
Plays and Games for Schools, Miss McCormick.
Folk and National Dances, Miss McCormick.
Swimming, Director Johnson and Miss McCormick.
Selection of Books, Librarian Shelton.
Review of Geometry, Professor Barnhart.
Review of Algebra, Professor Barnhart.

Trigonometry, Professor Barnhart.

Public School Music, Associate Professor Lukken.

Chorus and Appreciation, Associate Professor Lukken.

Voice, Associate Professor Lukken.

Piano and Pipe Organ, Mrs. Faw.

Review in Physics, Professor Rockwood.

Household Physics, Professor Rockwood.

General Psychology, Professor Haught.

Review of Elementary Spanish, Associate Professor Evers.

Review of Elementary French, Associate Professor Evers.

Spanish Novel, Associate Professor Evers.

DIRECTORY OF STUDENTS

(December 1, 1921-November 30, 1922).

Explanation of symbols:—After each name is given the College or School in which the student has registered. A&S—College of Arts and Sciences; Eng.—College of Engineering; Grad.—Graduate School; Spl.—Special. Extension students are not included.

After each name is also given the classification of Regular Students. F.—Freshman; S.—Sophomore; J.—Junior; Sr.—Senior; SS.—Summer School.

Name and Address	Age	Division	Class
Abbin, Joseph, Albuquerque, N. M.....	17	Eng.	F.
Acker, Archie, Mountainair, N. M.....	19		SS.
Adele, Sister Marie, Albuquerque, N. M.....			SS.
Aitkenhead, Paul W., West Lafayette, Ind.....	19	Eng.	S.
Albers, Robert J., Albuquerque, N. M.....	23	A & S	Sr.
Alderete, Frances, Albuquerque, N. M.....	18		SS.
Ammons, Isabelle, Mountainair, N. M.....	21		SS.
Anderman, Eleanor G., Albuquerque, N. M....	25		SS.
Anderson, Olga L., Raton, N. M.....	23	Spl.	SS.
Andrews, Frances, Santa Fe, N. M.....	18	A & S	F.
Angle, Katherine G., Albuquerque, N. M.....	22		SS.
Angle, William Richard, Albuquerque, N. M....	20	Eng.	S.
Appleby, Forrest, Albuquerque, N. M.....	16	A & S	F.
Archuleta, Solomon, Torreon, N. M.....	34		SS.
Armerding, Carl, Albuquerque, N. M.....	32	Spl.	Spl.
Arnot, Elizabeth, Albuquerque, N. M.....	26		SS.
Assala, Olive Mary, Dawson, N. M.....	18		SS.
Atherton, Grace, Albuquerque, N. M.	28	A & S	F.
Baca, Louisa, Albuquerque, N. M.....	21		SS.
Baca, Severita C., Albuquerque, N. M.....	21		SS.
Bacon, Wallace W., Albuquerque, N. M.....	24		SS.
Baer, Germaine, Tucumcari, N. M.....	18	A & S	F.
Bailey, Waldo Emerson, Jackson, Miss.....	26	Spl.	Spl.
Balling, Marie Gertrude, Albuquerque, N. M....	25		SS.
Balling, Ursel, Albuquerque, N. M.....	23		SS.
Barber, Chas. Hill, Albuquerque, N. M.....	16	A & S	F.
Bartlett, Sidney S., Socorro, N. M.....	22	Eng.	Jr.
Baser, Mildred M., Albuquerque, N. M.....	20	A & S	F.
Beahm, Samuel Ernest, Albuquerque, N. M....	35		SS.
Beaty, Myrtle, Flora Vista, N. M.....	24	A & S	F.
Bebber, Otto Joseph, Albuquerque, N. M.....	18	A & S	F.
Beesley, Era, Lucille, N. M.....	26		SS.

Belzer, Beulah Ree, Cedarvale, N. M.....	18		SS.
Benjamin, Joseph F., Albuquerque, N. M.....	17	A & S	F.
Bentley, Lillian Estelle, Albuquerque, N. M.....	19	A & S	S.
Berger, Walter O., Albuquerque, N. M.....	22	A & S	Sr.
Berkey, Dorinda M., Albuquerque, N. M.....	40	A & S	S.
Bernhart, Geo. Clifford, Santa Rosa, N. M.....	27	A & S	J.
Bertrand, Sister Louis, Albuquerque, N. M.....	48	A & S	Sr.
Betts, Ervin O., Clovis, N. M.....	22	Eng.	F.
Bicknell, Ruth Ernestine, Fort Wayne, Ind.....	32	Spl.	Spl.
Bicknell, Winifred Clara, Albuquerque, N. M...	24	A & S	J.
Beyle, Leona, Magdalena, N. M.....	17	A & S	F.
Blair, Florencé Estelle, Albuquerque, N. M.....	17	A & S	F.
Blake, Frederic O., Albuquerque, N. M.....	19	A & S	F.
Blythe, Mrs. Harry H., Hagerman, N. M.....	24		SS.
Boan, William Byron, Raton, N. M.	19	A & S	F.
Bowers, E. A., Malaga, N. M.	22	A & S	F.
Bower, Chalmers H., Tucumcari, N. M.....	28		SS.
Bowman, Eeanor Irene, St. Johnsbury, Vt.	19	A & S	S.
Bowman, Walter E., St. Johnsbury, Vt.....	20	A & S	J.
Brandebury, Harold E., Albuquerque, N. M.....	20	Eng.	S.
Branson, Fay, Albuquerque, N. M.....	19	A & S	J.
Brewer, Lyman H., Albuquerque, N. M.....	18	A & S	F.
Brimhall, Hulda, Fruitland, N. M.....	20		SS.
Brooks, Lois, Albuquerque, N. M.....	20		SS.
Brooks, Margaret M., Cimarron, N. M.....	20	A & S	J.
Brosier, Howard Ernest, Amistad, N. M.....	18	Eng.	F.
Brown, Arthur F., Raton, N. M.	22	Eng.	S.
Brown, Charles Oscar, Jr., Artesia, N. M.....	16	Eng.	F.
Brown, Marion Ralph, Albuquerque, N. M.	26	A & S	F.
Brown, Mary, Albuquerque, N. M.....	17	A & S	F.
Brown, Ruth Mabel, Albuquerque, N. M.....	20	A & S	S.
Bryan, Elmer L., Roswell, N. M.....	22	Eng.	J.
Bryan, George S., Albuquerque, N. M.....	22	A & S	Sr.
Bunn, Alfred, Albuquerque, N. M.....	21	Spl.	Spl.
Burcham, Carl, Carters Creek, Tenn.....	34	A & S	Sr.
Burke, Irene M., Albuquerque, N. M.....	33		SS.
Burns, Pearl, Carlsbad, N. M.....	18	A & S	F.
Burrows, Daniel C., Roswell, N. M.....	24	A & S	J.
Bursum, Claire Irvin, Socorro, N. M.....	23	A & S	Sr.
Bursum, Ruth, Socorro, N. M.	18	A & S	F.
Bursey, Joseph, Alamogordo, N. M.....	21	A & S	S.
Burton, David D., Albuquerque, N. M.....	21	A & S	F.
Burton, Lorena K., Albuquerque, N. M.....	21	A & S	J.
Burton, Tinsley, Albuquerque, N. M.....	18	A & S	F.
Caldwell, Charles, S., Albuquerque, N. M.....	24	A & S	Sr.
Calkins, Thomas V., Albuquerque, N. M.....	26	A & S	Sr.
Cameron, Dorothy R., Albuquerque, N. M.....	20	A & S	J.

Name and Address	Age	Division	Class
Cameron, Eleanor M., Albuquerque, N. M....	22	A & S	S.
Candelaria, Delphina, Albuquerque, N. M....	22		SS.
Candelaria, Jose Inez, Albuquerque, N. M....	28	A & S	J.
Cantelou, Louis W., Santa Fe, N. M.	22	A & S	S.
Carlton, Hally P., Caprock, N. M.....	24		SS.
Carmony, Florence, Albuquerque, N. M.....	26		SS.
Carpenter, Heppie J., Laguna, N. M.	48		SS.
Carter, Effa, Acme, N. M.....	21	A & S	S.
Carter, William H., Albuquerque, N. M.....	18	A & S	F.
Cartwright, Robert B., Cimarron, N. M.....	21	A & S	Sr.
Cassidy, Morley F., Albuquerque, N. M.....	22	A & S	Sr.
Chacon, Anna S., Albuquerque, N. M.....	42		SS.
Chacon, Josephine, Gallup, N. M.....	17	A & S	F.
Chadwick, Marcia A., Kansas City, Mo.	50		SS.
Chant, Lloyd H., Stronghurst, Ill.....	22	Eng.	S.
Chavez, Drusilla, Hillsboro, N. M.....	22		SS.
Cheetham, Everett, Taos, N. M.....	20	Eng.	F.
Civerolo, James A., Gallup, N. M.....	16	Eng.	F.
Clark, William A., Jr., Chelsea, Okla.	19	Eng.	F.
Cleve, Marjorie, Roswell, N. M.....	20	A & S	S.
Clowers, Caswell F., Albuquerque, N. M.....	33	A & S	Sr.
Coen, Mabel F., Madrid, N. M.....	22	A & S	F.
Coffman, Richard, Dayton, Ohio.....	21	A & S	S.
Collins, William A., Albuquerque, N. M.....	22	A & S	Sr.
Collis, Jeane E., Albuquerque, N. M.	21	Eng.	F.
Collister, Grace, Albuquerque, N. M.....	20	A & S	F.
Colwell, Dallas E., Texico, N. M.....	24	Eng.	J.
Conboy, Edward Devitt, Michigan City, Ind...	18	Eng.	F.
Condit, Flossie, Albuquerque, N. M.....	20	A & S	F.
Conner, Isabel Mary, Dawson, N. M.....	19	A & S	S.
Conner, Robert W., Roswell, N. M.....	20	A & S	S.
Cook, Margaret, Albuquerque, N. M.....	20		SS.
Cook, Ruth Strong, Charleston, W. Va.	18	A & S	F.
Cooper, Ann Elizabeth, Albuquerque, N. M....	18	A & S	F.
Cooper, Cecil M., Albuquerque, N. M.....	20	Eng.	J.
Copeland, Lourine, Elkins, N. M.....	28		SS.
Cowan, Mary Jane, Pierce City, Mo.....	29		SS.
Coury, Isadore J., Santa Rosa, N. M.....	19	A & S	F.
Craig, Conway C., Capitan, N. M.....	20	A & S	J.
Craig, Lee Ella, Roswell, N. M.....	20	A & S	F.
Creel, James, Albuquerque, N. M.....	19	A & S	F.
Creighton, Mildred C., Albuquerque, N. M....	18	A & S	F.
Crow, Samuel W., Topeka, Kansas.....	24	A & S	S.
Crumley, Elzada A., Springer, N. M.....	20	A & S	F.
Culpepper, Albert L., Carlsbad, N. M.....	19	A & S	F.
Culpepper, Mollie, Carlsbad, N. M.....	20	A & S	F.

Name and Address	Age	Division	Class
Cunningham, George T., Chicago, Ill.....	23	Eng.	S.
Cunningham, Wilkie B., Albuquerque, N. M.....	29		SS.
Danielson, Irvin S., Albuquerque, N. M.....	18	Eng.	F.
Davies, Hanlon E., Santa Fe, N. M.....	20	Eng.	F.
Davis, Harry N., Clayton, N. M.	27		SS.
Davis, Robert W., Albuquerque, N. M.....	24	Eng.	Sr.
Davis, Sylvia, Albuquerque, N. M.....	19		SS.
Darrow, Louise, La Junta, Trinidad, Colo.....	19	A & S	F.
Dearing, Catherine E., Albuquerque, N. M.....	22	A & S	S.
Dearing, Charles L., Albuquerque, N. M.....	19	Eng.	F.
Dick, Lillian, Clovis, N. M.....	22		SS.
Dismukes, Florence, Magdalena, N. M.	20		SS.
Dixon, Laurence G., Albuquerque, N. M.....	23	Eng.	S.
Dixon, Newell, Albuquerque, N. M.....	21	A & S	S.
Dixon, Nora Fairley, Albuquerque, N. M.....	25	A & S	Sr.
Dixon, Saverne, Albuquerque, N. M.....	19	A & S	F.
Dolde, Walter J., Albuquerque, N. M.....	18	Eng.	F.
Dose, Mary, Artesia, N. M.....	22	A & S	F.
Doss, Mildred, Artesia, N. M.....	19	A & S	F.
Doty, Wendell M., Albuquerque, N. M.....	19	Eng.	F.
Dow, Walter L., Colmor, N. M.....	21	A & S	S.
Dougherty, Ruth, Socorro, N. M.....	21	A & S	S.
Douglas, Mrs. Vina, Estancia, N. M.....	53		SS.
Duke, Ellsworth, Roswell, N. M.....	23	A & S	J.
Dupont, Vester Marie, Dawson, N. M.....	17	A & S	F.
Dutton, John Gibson, Minden, La.....	23	A & S	J.
Dunn, Mable, Ft. Summer, N. M.....	19	A & S	F.
Dye, Mrs. Harriet May, Barton, N. M.....	47		SS.
Dykes, Elsie Ruth, Tucumcari, N. M.....	20	A & S	J.
Easterday, Margaret, Albuquerque, N. M.....	20	A & S	S.
Edgar, E. Russell, Jr., Albuquerque, N. M.....	20	Eng.	F.
Edmondson, Elizabeth, Clayton, N. M.....	20	A & S	F.
Edwards, Frank L., Estancia, N. M.....	24	A & S	F.
Elder, Mabel Adelia, Albuquerque, N. M.....	19	A & S	F.
Elder, Robert M., Albuquerque, N. M.....	22	A & S	S.
Elise, Sister Marie, Albuquerque, N. M.			SS.
Eliott, Mrs. Edith L., Albuquerque, N. M.....	35		SS.
Embry, Elizabeth, Nashville, Tenn.....	23		SS.
Ennes, Mrs. Ada, Albuquerque, N. M.....	44		SS.
Ennes, Olive L., Albuquerque, N. M.....	17		SS.
Erb, Eugene T., Leonia, N. J.....	23	A & S	F.
Etter, John J., Albuquerque, N. M.....	33	Spl.	Spl.
Faireloth, Mary, Santa Rosa, N. M.....	17	A & S	F.
Farley, Thelma M., Estancia, N. M.....	18	A & S	S.
Farrell, Alice, Albuquerque, N. M.....	25		SS.
Farrell, Irene, Albuquerque, N. M.....	23		SS.

Name and Address	Age	Division	Class
Farrell, Stella, Albuquerque, N. M.....	25		SS.
Faw, Howell S., Albuquerque, N. M.....	20	A & S	J.
Feather, Shirley, Artesia, N. M.....	32	A & S	J.
Ferguson, Maxwell, Albuquerque, N. M.....	23	Eng.	Sr.
Fernstrom, John, Topeka, Kansas	21	A & S	J.
Fertsch, Lin M., Hereford, Texas.....	35	A & S	Sr.
Fiekinger, Paul L., Sunshine Valley, N. M.....	22	A & S	F.
Fisher, Alleta R., Topeka, Kansas.....	21	A & S	J.
Fitzgerald, Ora, Albuquerque, N. M.....	21	A & S	F.
Fleischer, Juliet, Albuquerque, N. M.	20	A & S	J.
Foraker, C. Burch, Albuquerque, N. M.....	23		SS.
Foraker, Mary Louise, Albuquerque, N. M.....	19	A & S	F.
Forsythe, Jean Jessie, Santa Rosa, N. M.....	43		SS.
Frazer, Stuart Helen, Dawson, N. M.....	16	A & S	F.
Freeman, Cora Nelle, Albuquerque, N. M.....	37	A & S	J.
Fullerton, Elvina S., Santa Fe, N. M.	38	A & S	S.
Gant, Leslie, Clovis, N. M.....	20	Eng.	F.
Gatling, Henry G., Albuquerque, N. M.....	27	Spl.	Spl.
Georges, Frank, Albuquerque, N. M.....	22	Eng.	Sr.
Gericks, August, Albuquerque, N. M.....	24		SS.
Gericks, Emma, Albuquerque, N. M.....	20		SS.
Gerhardt, Earl A., Tucumcari, N. M.....	25	A & S	Sr.
Gerhardt, Emma, Tucumcari, N.M.....	18	A & S	S.
Gertrude, Sister, Albuquerque, N. M.....			SS.
Gilbert, Roy D., Bakersfield, Cal.....	21	A & S	J.
Gilbert, Walter B., Bakersfield, Cal.....	23	Eng.	S.
Gilliam, Samuel H., Kephart, N. M.	26	A & S	S.
Gilmore, John Y., Albuquerque, N. M.....	20	Eng.	J.
Giomi, John, Albuquerque, N. M.....	23		SS.
Goelitz, Dorothy Agnes, Albuquerque.....	18	A & S	F.
Goetz, Helen, Albuquerque	24		SS.
Gonzales, Adolfo, Albuquerque, N. M.....	28		SS.
Goodart, Grace, Roswell, N. M.....	22	A & S	J.
Goodin, Dolly A., Roswell, N. M.....	22	A & S	F.
Gordanier, Maude, Elkins, N. M.....	32		SS.
Gould, Ralf F., Albuquerque, N. M.....	36	A & S.	Sr.
Graf, Selma, Gallup, N. M.....	22		SS.
Graham, George A., Lovington, N. M.....	23	A & S	J.
Graham, Hugh, Albuquerque, N. M.....	22	A & S.	J.
Grant, Zatella, Corpus Christi, Texas.....	23		SS.
Greanleaf, Frank O., Albuquerque, N.M.....	23	Eng.	Sr.
Gregg, Anna, Estancia, N. M.....	24		SS.
Grenko, John, Gibson, N. M.....	18	Eng.	F.
Greuter, Juanita, Albuquerque, N. M.....	23	A & S	J.
Greuter, Kenneth, Albuquerque, N. M.....	20	A & S	S.
Grimes, Geo. Bruce, Clayton N. M.....	20	A & S	F.

Name and Address	Age	Division	Class
Grimes, Giesler Lola, Albuquerque, N. M.....	38		SS.
Grigsby, Gwyndolyn L., Albuquerque, N. M.....	20	A & S	Sr.
Grose, Harris W., Albuquerque, N. M.....	20	A & S	F.
Guley, Agnes Blanche, Colorado Springs, Colo.	24	A & S	Sr.
Gusdorf, Margaret, Albuquerque, N. M.....	18	A & S	S.
Hale, William M., Roswell, N. M.....	23	A & S	J.
Hamilton, Mary, Hartford, Ark.	20	A & S	J.
Hamilton, Nelle L., Hartford, Ark.....	18	A & S	J.
Hammond, Lynn, Albuquerque, N. M.....	18	Eng.	F.
Hanger, Bruce D., Albuquerque, N. M.....	18	A & S	S.
Harden, Olive, Albuquerque, N. M.....	20	A & S	F.
Harrel, Robert Frank, Lewisville, Ark.....	17	A & S	F.
Harrington, Eldred R., Albuquerque, N. M....	20	Eng.	J.
Harrington, Edwin L., Albuquerque, N.	21	Eng.	F.
Harrold, Mariam, Ridgefield, Ill.....	18	A & S	F.
Harris, Barbara, Albuquerque, N. M.....	26		SS.
Hartson, Marian, Albuquerque, N. M.....	19		SS.
Hayes, Sara, Chicago, Ill.....	20		SS.
Hayne, Mrs. Iolene, L., Albuquerque, N. M. .	24	A & S	S.
Haynes, Helen, Albuquerque, N. M.....	18		SS.
Heflin, Ruth, Albuquerque, N. M.....	22	A & S	S.
Heflin, Woodford, Albuquerque, N. M.....	19	A & S	F.
Helen, Sister, Albuquerque, N. M.....	38	A & S	J.
Hemlin, Helen, Albuquerque, N. M.....	22	A & S	F.
Hendrix, Jane, Shiprock, N. M.....	50		SS.
Hendron, Mrs. Vivian (J. H.), Albuquerque....	36		SS.
Hernandez, Fernando Louis, Albuquerque, N. M.	18	A & S	S.
Hernandez, Ralph O., Albuquerque, N. M.....	24	A & S	Sr.
Hernandez, Walter R., Albuquerque, N. M. ...	20	A & S	S.
Herron, Annie Louise, Roswell, N. M.....	21	A & S	F.
Hess, Nelle C., Mannington, West Va.....	21	A & S	J.
Hesselden, Mrs. Elizabeth, Albuquerque, N. M.	23		SS.
Hesselden, Louis, Albuquerque, N. M.....	26	Eng.	S.
Hext, Zimrude, Albuquerque, N. M.	22		SS.
Hickman, Roy D., Chattanooga, Tenn.....	20	A & S	S.
Hill, Clyde, Portales, N. M.....	20	Eng.	S.
Hite, George C., E. Las Vegas, N. M.....	24	A & S	S.
Holder, Hazel, Albuquerque, N. M.....	22		SS.
Holloway, Raymond, Albuquerque, N. M.....	18	Eng.	F.
Hopewell, Robert W., Albuquerque, N. M.....	26	A & S	Sr.
Hopkins, Edmond M., Fostoria, Ohio.....	22	A & S	J.
Holsheiser, Frances, Roswell, N. M.....	18	A & S	S.
Horgan, Edward D., Albuquerque, N. M.....	21	A & S	J.
Howard, John C., Cowles, N. M.....	28	A & S	F.
Howarth, Emma, Raton, N. M.....	19	A & S	F.
Howarth, Evelyn, Raton, N. M.....	21	A & S	F.

Name and Address	Age	Division	Class
Howden, John F., Albuquerque, N. M.....	18	A & S	F.
Howell, William Riley, Clayton, N. M.	19	A & S	F.
Hoyland, Walter, Mountainair, N. M.....	20	A & S	F.
Hubbell, Julie E., Albuquerque, N. M.....	22		SS.
Huffine, Clarence D., Raton, N. M.	22	Eng.	Sr.
Huffine, Clifton, B., Raton, N. M.....	18	Eng.	F.
Huffstettler, Irl, Marysville, Tenn.....	26	Eng.	S.
Hughes, Thomas, Albuquerque, N. M.....	20	A & S	S.
Hyder, Latif, Albuquerque, N. M.....	22	A & S	F.
Igou, Douglas R., Eustes, Florida.....	20	A & S	F.
Jackson, Helene M., Aztec, N. M.....	22	A & S	J.
Jahn, Violet, Albuquerque, N. M.....	24		SS.
Jelfs, Jack, Raton, N. M.....	22	A & S	F.
Johansen, Bessie, Madison, S. D.	21	A & S	F.
Johnson, Dovie Mae, Albuquerque, N. M....	18	A & S	F.
Johnson, Leonora M., Lovington, N. M.....	22	A & S	Sr.
Johnston, Octavia, Clinton, Mo.....	23	A & S	Sr.
Jones, Lillian, Albuquerque, N. M.	20		SS.
Jones, Ogle, Roswell, N. M.	22	A & S	S.
Kagy, Faye, Albuquerque, N. M.	20		SS.
Kaptina, Otto, Portales, N. M.....	18	A & S	F.
Kelley, Buster, Roswell, N. M.....	18	Eng.	F.
Kendig, Lillian M., Santa Cruz, N. M.....	32		SS.
Kern, Elda M., Albuquerque, N. M.....	23		SS.
Kiech, Veon C., Albuquerque, N. M.....	18	A & S	J.
Kimball, Helen F., Albuquerque, N. M.	17	A & S	F.
Kimball, Levi, Albuquerque, N. M.	21	Eng.	S.
Kinney, Chas. Gordon, Albuquerque, N. M....	18	A & S	F.
Kurhajian, George, Albuquerque, N. M.....	27	Spl.	Spl.
Kyker, Violet, Texico, N. M.....	21		SS.
Lamb, Marie G., Roswell, N. M.....	23	A & S	S.
Landes, Emma D., Albuquerque, N. M.	34		SS.
Ledger, Dixie Lipe, Albuquerque, N. M.....	22		SS.
Lewis, Merton Willard, Albuquerque, N. M....	24	A & S	S.
Lighton, Edward, Albuquerque, N. M.....	24	A & S	Sr.
Lighton, Mrs. Irene Fee, Albuquerque, N. M. ..	23	A & S	Sr.
Long, Menefee, Portales, N. M.	19	Eng.	S.
Lovitt, Lawrence, Albuquerque, N. M.....	20	Eng.	S.
Low, Frank, Albuquerque, N. M.	28		SS.
Low, Lorena Carmony, Albuquerque, N. M....	22		SS.
Lyckman, Thelma Loudon, Albuquerque, N. M.	25	A & S	Sr.
Lynch, Nettie, Albuquerque, N. M.....	22		SS.
MacArthur, Helen, Albuquerque, N. M.	21	A & S	J.
McCamant, Nina, Thoreau, N. M.....	18	A & S	F.
McCarthy, Walter R., Albuquerque, N. M.....	21	A & S	F.
McClane, Jane, Roswell, N. M.....	18	A & S	F.

Name and Address	Age	Division	Class
McClane, Mary Lucy, Roswell, N. M.	16	A & S	F.
McComie, Rosa, Nowata, Oklahoma.....	26	A & S	J.
McConnell, Zelda, Albuquerque, N. M.....	19	A & S	S.
McCulloh, Clyde, Mountainair, N. M.....	20	Eng.	S.
McConvey, William A., Jr., Buffalo, N. Y....	22	A & S	J.
McDermott, Luetta, Dawson, N. M.....	18		SS.
McDonald, Bruce, Allison, N. M.....	17	Eng.	F.
McDowell, Louise, Albuquerque, N. M.....	21	A & S	F.
McDowell, Mariam Kath., Albuquerque, N. M..	22	A & S	Sr.
McGowan, Gertrude M., Albuquerque, N. M....	23	Spl.	Spl.
McGowan, Mrs. Janet G., Albuquerque, N. M...	49	Spl.	Spl.
McGuire, Anna, Albuquerque, N. M.....	19	A & S	S.
McGuire, Mary Louise, Albuquerque, N. M....	20	A & S	S.
McIntosh, Mrs. Ruby K., Albuquerque, N. M...	26		SS.
McKean, Mrs. Chas. R., Albuquerque, N. M...	32	Spl.	Spl.
McKeehnie, Ian C., Albuquerque, N. M.....	19	Eng.	J.
McKinley, Monroe, Ashland, Ohio.....	25	Eng.	F.
MacLara, Mary Eliz., Magdalena, N. M.....	20		SS.
Maloney, Minnie, Albuquerque, N. M.....	51		SS.
Mapes, Edwin N., Roswell, N. M.....	21	A & S	S.
Marcus, David, Albuquerque, N. M.....	18	A & S	F.
Martin, Eliz. Blanche, Tatum, N. M.....	23		SS.
May, Montgomery, Maryville, Tenn.....	21	A & S	F.
Martin, George B., Gallup, N. M.....	22	A & S	J.
Martin, Henri-Ella, Clayton, N. M.....			SS.
Matheson, Sophie, Vaughn, N. M.....	33		SS.
Matson, Mildred Marcella, Albuquerque, N. M..	19	A & S	F.
Matteson, Mrs. Carrie C., Albuquerque, N. M...	41		SS.
Mayne, Norman D., Albuquerque, N. M.....	27	A & S	Sr.
Mearns, Evelyn, Albuquerque, N. M.....	19	A & S	F.
Merritt, Maxwell M., Albuquerque, N. M.....	17	A & S	F.
Miller, David A., Santa Fe, N. M.....	19	A & S	F.
Miller, Philip Dixon, San Ysidro, N. M.....	18	A & S	F.
Miller, Joy, Albuquerque, N. M.....	21		SS.
Miller Lee, Albuquerque, N. M.....	17	Eng.	F.
Miller, Mildred, Topeka, Kansas.....	20	A & S	S.
Miller, Josephine, Albuquerque, N. M.....	18	A & S	F.
Mitchell, Freda, Roy, N. M.	18	A & S	S.
Mitchell, George F., Albuquerque, N. M.....	44		SS.
Mohr, Mrs. Florence W., Albuquerque, N. M...	32	A & S	S.
Moise, Goldina, Santa Rosa, N. M.....	18	A & S	F.
Moore, Horace S., Albuquerque, N. M.....	19	Eng.	S.
Moore, Winston, Douglas, Arizona.....	23	Spl.	Spl.
Morgan, Edw. Clyde, Albuquerque, N. M.....	30	Spl.	Spl.
Morgan, Edward O., Clovis, N. M.....	20	Eng.	J.
Morgan, Esther, Albuquerque, N. M.....	21	A & S	J.

Name and Address	Age	Division	Class
Morgan, Ruth, Albuquerque, N. M.....	19	A & S	S.
Morgan, Willis, Albuquerque, N. M.....	17	A & S	S.
Morris, Adrian, Albuquerque, N. M.....	19	A & S	F.
Morris, Cola R., Albuquerque, N. M.....	21	A & S	S.
Morris, Mrs. Daisy Y., Farmington, N. M.....	40		SS.
Morris, Hazel C., Farmington, N. M.....	19	A & S	J.
Morrison, Mardell, Portales, N. M.....	19	A & S	F.
Mosher, Edith, Albuquerque, N. M.....	31	A & S	Sr.
Mozley, Paul P., Albuquerque, N. M.	27	A & S	Sr.
Murphy, Frances, Albuquerque, N. M.....			SS.
Murphy, Rose Mae, Kirksville, Mo.....	21	A & S	F.
Murphy, Mary, Madrid, N. M.....	23	A & S	F.
Myers, Clara Eliz., Cedarvale, N. M.....	21		SS.
Naomi, Sister M., Albuquerque, N. M.....			SS.
Naranjo, Severiano, Albuquerque, N. M.....	36		SS.
Nehrer, Frank H., Albuquerque, N. M.....	23	A & S	Sr.
Nelson, Helen, E. Las Vegas, N. M.....	22	A & S	J.
Nelson, Maud V., Albuquerque, N. M.....	21	Eng.	S.
Niblack, Rose Eliz., Mesilla Park, N. M.....	28		SS.
Nixon, Fred, Wellington, Kansas	22	Spl.	Spl.
Nixon, Opal Fisk, Wellington, Kansas	21	A & S	F.
Norton, Warren H., Fernwood, Miss.	20	A & S	S.
Ogg, Frank Chappell, Albuquerque, N. M.	23	A & S	Sr.
O'Hara, Florence, Clovis, N. M.	21	A & S	S.
Olson, Florence M., Albuquerque, N. M.	23	A & S	S.
Orange, William B., Chillicothe, Mo.	27	A & S	J.
Osuna, Aurelia M., Albuquerque, N. M.	22	A & S	Sr.
Osuna, Phillip, Albuquerque N. M.....	20	A & S	F.
Overton, Myrtle Rose, Albuquerque, N. M.....	25	Spl.	Spl.
Owen, George, Los Lunas, N. M.	20	A & S	S.
Owen, Katherine, Los Lunas, N. M.	18	A & S	F.
Park, Ethel, Mt. Calm, Texas	20	A & S	S.
Park, Vera, Mt. Calm, Texas	23		SS.
Parker, Mrs. Nellie G., Tenaha, Texas	21		SS.
Parsons, Clarissa M., Fort Sumner, N. M.	19	A & S	J.
Pate, Ray, Marry, La.	19	Eng.	F.
Patton, Lillian R., Clovis, N. M.	19	A & S	J.
Patton, Perkins L., Clovis, N. M.	23	A & S	J.
Payne, Bertha Lee, Albuquerque, N. M.	19	A & S	F.
Pearce, Cullen T., Dawson, N. M.	21	Eng.	Sr.
Pearson, Laura, Lake Arthur, N. M.	17	A & S	S.
Perez, Tonchita, Albuquerque, N. M.	24	A & S	Sr.
Pfeifer, Wm. Hollis, Algodones, N. M.	53		SS.
Pfeifer, Mrs. Virgie, Algodones, N. M.	46		SS.
Phelan, Eleanor L. Albuquerque, N. M.	49		SS.
Phillips, Margaret, Taos, N. M.	19	A & S	F.

Name and Address	Age	Division	Class
Phillips, Minnie T., Albuquerque, N. M.	25		SS.
Pino, Inez, San Antonio, N. M.	23		SS.
Pollock, Ethel Jeane, Allison, Colo.	23	A & S	J.
Pollock, Lewis, Allison, Colo.	21	A & S	F.
Popejoy, John R., Raton, N. M.	21	A & S	J.
Popejoy, Mary McMullin, Raton, N. M.	21	A & S	J.
Popejoy, Tom L., Raton, N. M.	20	A & S	F.
Porter, Isabelle W., St. Johnsbury, Vt.	19	A & S	S.
Price, Wiley N., Vivian, La.	26	Eng.	F.
Pugh, Pat, Oklahoma City, Okla.	23	A & S	F.
Rader, Mrs. Gladys H., Albuquerque, N. M.	26		SS.
Ragen, Leo	28	Spl.	Spl.
Ramirez, Librado C., Albuquerque, N. M.	30		SS.
Raymond, Yale, Albuquerque, N. M.	19	Eng.	F.
Reading, Susie, Rayo, N. M.	20		SS.
Redwine, Mrs. Abby Heacock, Albuquerque, ..	26		SS.
Reeve, Frank D., Alameda, California.	23	A & S	S.
Regis, Sister Frances, Albuquerque, N. M.			SS.
Richards, Mrs. Fayette, Domingo, N. M.	25		SS.
Richards, John L., Domingo, N. M.	26		SS.
Richardson, Tillo, Mountainair, N. M.	23		SS.
Riordan, Maude, Albuquerque, N. M.	21	A & S	J.
Rittenhouse, Vera, Albuquerque, N. M.	20		SS.
Robb, Mary Ruth, Albuquerque, N. M.	25		SS.
Roch, Mrs. Ethel, Dedman, N. M.	28		SS.
Roehl, Mary, Albuquerque, N. M.	18		SS.
Rogers, Mrs. Etta, El Vado, N. M.	24		SS.
Rogers, Estelle F., Columbus, Ohio	19		SS.
Rogers, Frances L., Columbus, Ohio	21	A & S	J.
Romero, Benigno, Dixon, N. M.	24	A & S	J.
Rose, Lucille, Roswell, N. M.	19	A & S	F.
Roy, William, Albuquerque, N. M.	22	A & S	S.
Russell, Chester, Artesia, N. M.	18	A & S	S.
Russell, Dora M., Artesia, N. M.	22	A & S	Sr.
Russell, Ruth, Artesia, N. M.	37	Spl.	Spl.
Sanchez, Angela, Albuquerque, N. M.	21		SS.
Sands, Mary K. E. Las Vegas, N. M.	22	A & S	Sr.
Sands, Vernon L., E. Las Vegas, N. M.	23	A & S	F.
Scarborough, Bernard, Santa Fe, N. M.	20	A & S	F.
Schneider, Dr. F. L., Albuquerque, N. M.	41	Grad.	Grad.
Scoopmire, Vance T., Gallup, N. M.	21	A & S	J.
Scruggs, Helen Darrow, Albuquerque, N. M.	24	A & S	Sr.
Scruggs, Stella, Albuquerque, N. M.	28		SS.
Sedillo, John A. A., Albuquerque, N. M.	20		SS.
Sedillo, Mela C., Albuquerque, N. M.	19	A & S	F.
Sellers, Harold B., Albuquerque, N. M.	27	Spl.	Spl.

Name and Address	Age	Division	Class
Sessions, Cora E., Clayton, N. M.			SS.
Severns, Lorene J., Albuquerque, N. M.	27		SS.
Shahan, Katheryne, Springer, N. M.	18	A & S	F.
Sharp, Jonathan, Greenville, Ill.	29	Eng.	Sr.
Sheffield, Katherine, Albuquerque, N. M.	43		SS.
Shelton, Vera E., Dawson, N. M.	18		SS.
Sheperd, Martha Eliz., Roswell, N. M.	19	A & S	S.
Sherman, Louise A., Albuquerque, N. M.	20		SS.
Sherwood, Leona V., Dawson, N. M.	24	A & S	J.
Shirk, Mary, Albuquerque, N. M.	41		SS.
Shrader, Mildred, Roswell, N. M.	20	A & S	S.
Siler, Randolph, Albuquerque, N. M.	41		SS.
Skeel, George, Cleveland, Ohio	24	A & S	S.
Sloan, Lida, Albuquerque, N. M.	49		SS.
Smith, Velma K., Artesia N. M.	19	A & S	F.
Smith, Inez, Mountainair, N. M.	22		SS.
Smith, Mabel Ann, Albuquerque, N. M.	41		SS.
Smithers, George H., Albuquerque, N. M.	29	A & S	F.
Smithers, Margaret, Albuquerque, N. M.	19	A & S	F.
Snapp, Gwendolyn, Mountainair, N. M.	18	A & S	F.
Snapp, M. Lucile, Mountainair, N. M.	21	A & S	S.
Snyder, Dale H., Albuquerque, N. M.	21	A & S	J.
Snyder, Edgar U., Albuquerque, N. M.	36	Spl.	Spl.
Snyder, Wm. Dudley, Clayton, N. M.	21	A & S	S.
Snyder, Wilma Dot., Albuquerque, N. M.	23	A & S	Sr.
Soash, Gertrude T., Joplin, Mo.	18	A & S	F.
Solano, Sister Frances, Albuquerque, N. M. ...			SS.
Spargo, Margaret, Albuquerque, N. M.	19	A & S	F.
Speck, Bertha L., Magdalena, N. M.	28		SS.
Spencer, Margaret, McIntosh, N. M.	27		SS.
Stafford, Gertha E., Albuquerque, N. M. ...	19		Sr.
Stahl, Wm. M., Trenton, N. J.	22	A & S	F.
Stephens, Henry Fairfax, Santa Fe, N. M.	18	A & S	F.
Stephenson, Dorothy, Artesia, N. M.	22	A & S	Sr.
Sterrett, John D., Albuquerque, N. M.	22	A & S	F.
Sterrett, Leigh, Albuquerque, N. M.	20	A & S	S.
Stevens, George, Albuquerque, N. M.	18	A & S	F.
Stinnet, Marion, Portales, N. M.	25	A & S	Sr.
Stofer, Willard E., Gallup, N. M.	19	Eng.	J.
Stowell, Abe, Albuquerque, N. M.	19	A & S	S.
Stowell, Helen, Albuquerque, N. M.,	21	A & S	F.
Strickland, Edith Merle, Roswell, N. M.	17		SS.
Strong, Elizabeth, Albuquerque, N. M.	17	A & S	F.
Strong, Fay H., Albuquerque, N. M.	18	A & S	F.
Stroup, Jessie (Mrs. A. B.), Albuquerque, N. M.	44	A & S	F.
Sturgeon, Kate, Mountainair, N. M.	32	A & S	F.

Name and Address	Age	Division	Class
Sullivant, Charles R., Jr., Albuquerque, N. M.	20	A & S	F.
Sundt, Alice M., E. Las Vegas, N. M.	19	A & S	F.
Surber, Wm. B., Charleston, W. Va.	23	Spl.	Spl.
Swayne, Margaret Anna, Albuquerque, N. M.			SS.
Swinney, James B., Tyrone, N. M.	21	Eng.	S.
Taylor, Ethel, Kirtland, N. M.	19	A & S	Sr.
Taylor, Merl Cobb, Natchitoches, La.	41		SS.
Teeple, Winifred, Dawson, N. M.	20	A & S	F.
Thatcher, Lev, Albuquerque, N. M.	18	A & S	F.
Thomas, Barber-Nell, Carlsbad, N. M.	16	A & S	S.
Thomasset, Chas. A., Albuquerque, N. M.	30	A & S	S.
Thomasset, Mary K., Albuquerque, N. M. ...	33	A & S	F.
Thompson, Alexander R., Ft. Sumner, N. M....	24	Eng.	F.
Thompson, Harry L., Detroit, Mich.	30	A & S	F.
Thompson, Lela, Albuquerque, N. M.	19		S.
Thompson, Louise B., Albuquerque, N. M.	37		SS.
Thompson, Velma, Albuquerque, N. M.	18	A & S	F.
Toothaker, Ethel, Albuquerque, N. M.	18	A & S	F.
Torrence, Mrs. Small Hannah, Cedarvale, N. M.	50		SS.
Trotter, Evelyn, Albuquerque, N. M.	25		SS.
Tully, Jeraldine, Glencoe, N. M.	19	A & S	S.
Turnbull, Cressie, Elida, N. M.	20		SS.
Turner, Mrs. Lillian K., Tapicietess, N. M.	20		SS.
Van Gieson, Helen, Lovington, N. M.	20	A & S	S.
Valentine, Fredryn, Santa Fe, N. M.	19	A & S	F.
Venable, John, Albuquerque, N. M.	20	A & S	F.
Wack, Eva, Carrizozo, N. M.	18	A & S	F.
Wagner, Dorothy, Albuquerque, N. M.	20	A & S	S.
Wagner, Frederick, E. Las Vegas, N. M.	18	A & S	J.
Wait, Richard Dean, Albuquerque, N. M. ...	19	A & S	S.
Walburga, Sister M., Albuquerque, N. M.			SS.
Waldron, Charles N., Negra, N. M.			SS.
Walker, Albert E., Topeka, Kan.	22	Eng.	S.
Walker, Anna Merle, Embudo, N. M.	22	A & S	S.
Walter, Constance C., Santa Fe, N. M.	18	A & S	S.
Ward, Walter William, Albuquerque, N. M. ..	23	A & S	J.
Waring, Leila M., Cimarron, N. M.	20	A & S	F.
Warner, Lydia, Albuquerque, N. M.	60	Spl.	Spl.
Waters, Louis H., Albuquerque, N. M.	37	Spl.	Spl.
Watson, Dorothy, Pinos Altos, N. M.	23		SS.
Waymire, Eldon, Englewood, Ohio	23	Eng.	F.
Weber, Norma L., Pekin, Ill.	21	A & S	J.
Weddington, Fleta Rose, Belen, N. M.	30		SS.
Weeks, Fred L., Albuquerque, N. M.	35	Grad.	Grad.
Weisenbach, Estelle, Albuquerque, N. M.	23	A & S	Sr.
Wells, Harry, Licking, Mo.	20	Eng.	J.

Name and Address	Age	Division	Class
Westlake, Mrs. Inez B., Albuquerque, N. M. . .	39		SS.
Wetmore, Edith S., Albuquerque, N. M.	26	Spl.	Spl.
White, Alice F., Albuquerque, N. M.	26		SS.
White, Athlinton, Silver City, N. M.	20	A & S	S.
White, George W., Albuquerque, N. M.	26	A & S	Sr.
White, Juliet, Albuquerque, N. M.	18	A & S	F.
White, Mary Elizabeth, Albuquerque, N. M. . .	23	A & S	F.
Whitehill, Myrtle, Deming, N. M.	18	A & S	F.
Whittier, John Wayne, Santa Fe, N. M.	21	A & S	Sr.
Wicklund, Irene B., Albuquerque, N. M.	25	A & S	Sr.
Wiley, Helen F., Cuba, N. M.	17	A & S	F.
Wilfley, Vernon B., Roswell, N. M.	25	Eng.	Sr.
Wilkinson, Claude Kenneth, Ft. Sumner, N. M.	18	Eng.	Sr.
Wilkinson, Jim Vernon, St. Petersburg, Fla. .	21	A & S	F.
Wilkinson, John W., Albuquerque, N. M.	18	Eng.	S.
Williams, Norma L., Albuquerque, N. M.	19	A & S	S.
Wills, Frank DeWitt, Estancia, N. M.	20	Eng.	S.
Willson, Mary E., Gallup, N. M.	20	A & S	S.
Wilson, Burnice, Albuquerque, N. M.	19	A & S	F.
Wilson, Carol, Albuquerque, N. M.	20	A & S	S.
Wilson, Clyda, Albuquerque, N. M.	22	A & S	Sr.
Wilson, Gertrude Stone, Albuquerque, N. M. .	20		SS.
Wilson, Wm. Marshall, Oak Park, Ill.	24	Eng.	S.
Winfrey, Grace R., Albuquerque, N. M.	21		SS.
Wingfield, Nila M., Artesia, N. M.	20	A & S	F.
Winston, Jessie May, Groesback, Texas	22		SS.
Wooton, Tom F., Hazard, Kentucky	19	Eng.	F.
Woodall, Etna, Estancia, N. M.	28		SS.
Wood, Harold, Gallup, N. M.	18	Eng.	F.
Wood, Luella, Albuquerque, N. M.	19		SS.
Wood, Mary E., Gallup, N. M.	20	A & S	S.
Wright, Marie Antoinette, Santa Fe, N. M. . .	23		SS.
Wright, Roy M., Chama, N. M.	23	Eng.	F.
York, Ethel, Albuquerque, N. M.	44		SS.
Zilles, Teresa, Albuquerque, N. M.	19		SS.
Zimmerman, Ruth M., Topeka, Kan.	22	A & S	Sr.
Zink, Margaret Gertrude, Roswell, N. M.	19	A & S	F.

NEW STUDENTS REGISTERED 1923.

Burgess, Charles D., Wenona, Ill.	18	Eng.	F.
Burgess, Robert Cecil, Wenona, Ill.	21	Eng.	F.
Cartwright, Edward, Albuquerque, N. M.	24	A & S	F.
Cooper, Frederick, Stanton, Ind.	27	A & S	F.
Fairly, Jasmine, Portales, N. M.	17	A & S	F.
Fuller, Rice, B., Coffeyville, Kan.	20	A & S	F.
Gilliland, Otto B., Albuquerque, N. M.	28	A & S	F.

Name and Address	Age	Division	Class
Hext, Howard A., Albuquerque, N. M.	23	A & S	S.
Huntington, Parkman, Chama, N. M.	25	Eng.	S.
Irvin, Walter, Rule, Texas	24	Spl.	
Marshall, Gerald, Albuquerque, N. M.	18	Eng.	S.
McFadden, Ruth M., Roswell, N. M.	19	A & S	F.
Pierce, Charlie, Coffeyville, Kan.	18	A & S	F.
Spicer, Helen, Isleta, N. M.	19	A & S	F.
McLandress, Virginia, Albuquerque, N. M.	18	A & S	F.

EXTENSION STUDENTS

ADULT SPECIAL STUDENTS REGISTERED IN ORGANIZED CLASSES. (Dec. 1, 1921-November 30, 1922).

Explanation of symbols.—After each name is given the classes in which the student has registered.

E. H.—Educational Hygiene; M. E. Mental and Educational Tests; P. Eng.—Platonic Influence on Literature and Thought; H. E.—Home Economics; C. P.—Child Psychology; D. Eng.—Dante; Eng.—English Literature; J.—Journalism; S.—Salesmanship; R.—Radio; P. E.—Practical Electricity.

All Extension Students are residents of Albuquerque.

*Also enrolled in Regular or Summer Sessions.

*Adele, Sister M.	E. H. and M. E.	Brothers, Mrs. C. S.	H. E.
Allen, Carl	R.	Bryan, Mrs. R. W. D.	D. Eng.
Allen, Cora	P. Eng.	Burch, Mrs. Flossie R.	C. P.—H. E.
Allen, Mrs. W. H.	D Eng.—P. Eng.	*Burke, Irene	M. E.
Ancona, E. P.	J.	Burns, J. A.	S.
Anderman, Mrs. M. R.	H. E.	*Burrows, Daniel C.	J.
Andrews, Edna	Eng.	Butts, Mrs. T. I.	
Aquinas, Sister A.	E. H.	. . . C. P., D. Eng., Eng., & P. Eng.	
Arledge, Mrs. Ellen	H. E.	*Cameron, Eleanor	P. Eng.
*Assala, Mary	E. H.	Cardinal, Genevieve	C. P.
Babbitt, Mrs. Alice H.	Eng.	Carr, Mrs. C. M.	P. Eng.
*Baca, Louisa	C. P. and E. H.	Carmen, Sister M.	E. H.
*Balling, Marie G.	E. H.	*Carmony, Florence	C. P.
*Balling, Ursel	E. H.	Claggett, Sgt. H. O.	Eng.
Barber, Mrs. C. M.	H. E.	Clementina, Sister	
Bennett, Mrs. L. C.	P. Eng.	. . . . D. Eng., Eng., and E. H.	
Bentley, J. F.	C. P.	Conchessa, Sister	E. H.
Benton, Mrs. J. T.	P. Eng.	Cook, George H.	J.
Bernarda, Sister	E. H.	Coors, Mrs. H. G., Jr.	P. Eng.
*Bertrand, Sister Louis		Creel, Erchal	H. E.
.	D. Eng. and Eng.	*Creel, James	S.
Biddle, Mrs. D. R.	H. E.	Davidson, Mrs. J. H.	H. E.
Bixby, Mrs. R. V.	H. E.	Davila, Rose M.	E. H.
Bly, Ruby	H. E.	*Davis, Sylvia	E. H.
Bobo, Mrs. Irma	C. P.	DeBeixedon, L. B.	Eng.
Bond, Mrs. G. W.	D. Eng.	Decker, Mildred	D. Eng.
Borrodaille, Adelina Grace.	P. Eng.	Diehl, Minnie.	D. Eng. and Eng.
Botts, Mrs. C. M.		Dixon, Mary C.	P. Eng.
.	Eng., D. Eng., and P. Eng.	*Dixon, Mrs. Nora F.	Eng.
*Bowman, Walter Earl	J.	Dodds, Mrs. D. C.	H. E.

- Doty, Mrs. MaudH. E.
 *Doty, WendellS.
 Duntun, Nellie C.P. Eng.
 Easterday, Mrs. J. S.
D. Eng. and P. Eng.
 *Easterday, Margaret
D. Eng., Eng. and P. Eng.
 Edgar, Mrs. E. R...Eng. & D. Eng.
 Edmona, Sister M.
D. Eng. and Eng., E. H.
 *Elsie, Sister M. ...E. H. & M. E.
 Ellenora, Sister ..E. H. & D. Eng.
 Elder, IdaC. P.
 Elliott, Gertrude..D. Eng. & Eng.
 Etienneette, SisterE. H.
 Everitt, EllenD. Eng.
 Everhart, Charles C.P. E.
 *Farrell, StellaH. E.
 *Feather, ShirleyP. Eng.
 Frank, H. V.P. E.
 Gazley, ValyneH. E.
 Gerard, Sister M.D. Eng.
 *Gerichs, EmmaH. E.
 *Gertrude, Sister M..D. Eng.-E. H.
 Gilbert, Mrs. H. A.P. Eng.
 Gilmore, C. R.D. Eng & Eng.
 Glennon, Mrs. Charles P....H. E.
 Goetz, Herbert O.Eng.
 Gorman, E. W.S.
 Gould, Mrs. J. G.D. Eng.
 *Gusdorf, Margaret
D. Eng. and P. Eng.
 *Harden, OliveD. Eng.
 Harnois, CoraD. Eng & Eng.
 *Harrell, Robert FrankJ.
 Hart, Mrs. Martha
P. Eng., Eng., and D. Eng.
 Hebenstreit, Mrs. A. R.H. E.
 *Helen, SisterD. Eng. & Eng.
 Helmick, MildredSwimming
 *Hendron, Mrs. J. H.H. E.
 Hickey, Mrs. M. E.D. Eng.
 Hill, Mrs. David S..D. Eng & Eng.
 Hillyard, WinifredC. P.
 *Holder, HazelEng.
 Holland, EvalynC. P.
 Holloway, GordonP. E.
 Holman, Mrs. H. K.H. E.
 Hopkins, RuthD. Eng.
 Horton, AlmaC. P.
 Hubbell, AnitaP. Eng.
 Ilfield, Mrs. LouisP. Eng.
 Irish, Mrs. E. E.M. E.
 Irvin, A. F.S.
 Jardine, MaryP. Eng.
 Juanita, SisterE. H.
 *Johansen, BesiseS.
 Johnson, August E.Eng.
 Jones, Mrs. M. R.J.
 Jordan, W. FredP. E.
 Jones, R. A.Eng.
 Keleher, Margaret, D. Eng. & Eng.
 Keleher, Mrs. W. A.H. E.
 Kerr, Mrs. JohnH. E.
 King, Mrs. W. C.Eng.
 Kirk, R. H.R.
 Kizzar, MissD. Eng.
 Kline, Mrs. Virginia ..Swimming
 LaBar, Mrs. Ella N.D. Eng.
 LaBelle, Mrs. H. F.
D. Eng. and Eng.
 *Landes, Mrs. EmmaEng.
 Lashment, Mrs. L. C.D. Eng.
 Laura, Sister M.E. H.
 Lewis, Sister M. ..D. Eng & E. H.
 *Lighton, EdwardR.
 Lindley, Mrs. J. W..D. Eng & Eng
 Lipper, EdnaP. Eng.
 Lovelace, MaybelleD. Eng.
 Luckenbill, Mrs. H.H. E.
 *Lynch, Nettie..C. P., E. H., H. E.
 Mabry, Mrs. T. J...Eng. & H. E.
 Malchon, Mrs. CarrieP. Eng.
 *Maloney, Minnie.D. Eng. & Eng.
 Mann, LucyC. P.
 Marron, Mrs. O. N.
D. Eng. & Eng.
 Matson, Mrs. O. A.P. Eng.
 *May, MontgomeryR.
 MacArthur, MaryP. Eng.
 MacArthur, Mrs. L. E....P. Eng.
 *McCamant, NinaE. H.
 McClure, C. E.M. E.
 *McDermott, LuettaE. H.

McDonald, Mrs. RoyP. Eng.
 *McDowell, M. Katherine ..
P. Eng. and C. P.
 *McCowan, Mrs. Janet ..P. Eng.
 McGuire, JuanitaC. P.
 *McIntosh, Mrs. B. G.H. E.
 McMains, W. H.J.
 McMillen, Mrs. A. B.P. Eng.
 Meachem, Mrs. C. C.
D. Eng. and Eng.
 Medler, Mrs. M. E.P. Eng.
 Mengel, AliceE. H.
 Mersfelder, Mrs. L. C.
 D. Eng., and P. Eng. H. E.
 Metcalf, Mrs. W. P.P. Eng.
 Metcalf, Mrs. W. P.,P. Eng.
 Meyer, Mrs. Leopold,H. E.
 Milne, Mrs. John, D. Eng. & Eng.
 *Mitchell, George F.,
 D. Eng., Eng., C. P., and R.
 Morelli, Teodolindo.....P. E.
 Morgan, Jean.....E. H.
 Morris, ZulaEng.
 Moss, J. N.....C. P. and J.
 Moulton, Mrs. E. L.....H. E.
 Mozley, Mrs. C. A.....H. E.
 Mudgett, Leon H.....P. E.
 *Naomi, Sister
D. Eng. and Eng., E. H.
 Neuffer, Mrs. H. C.....H. E.
 Osman, C. M.....S.
 Owens, Mrs. Ruth B.....C. P.
 Parker, Ethel M.....C. P.
 Phelps, Mary M.....D. Eng.
 Phillips, Barbara E.....P. Eng.
 Plant, Myrtle.....M. E.
 Polansky, E. A.....D. Eng.
 *Porter, Isabelle.....J.
 Pru, Mrs. Jessica McL.....P. Eng.
 Radley, Arla.....M. E.
 Ream, Glen O.....C. P.
 *Regis, Sister Frances.....
D. Eng. and Eng.
 Reynolds, Mrs. Lee J.....H. E.
 Rice, Mrs. L. G., D. Eng. & Eng.
 Risser, Anna.....Eng.
 Robertson, Mrs. J. B.....D. Eng.

Robertson, Lucy.....C. P.
 Rockwood, Mrs. Ethel C..P. Eng.
 *Russell, Dora.....P. Eng.
 Russell, Dorothy K.....C. P.
 *Russell, Ruth
D. Eng., Eng., and P. Eng.
 *Sanchez, Angela..Eng., and E. H.
 Schach, AudreyR.
 Schmidt, Helen..E. H. and H. E.
 Schmidt, Margaret, E. H. & H. E.
 Schroeder, Erma..H. E. and C. P.
 Schumaker, Mrs. C. O.....H. E.
 Schupp, Ona E.....C. P.
 *Seruggs, StellaEng.
 Seale, Esther.....Eng. and C. P.
 Sexauer, CatherineM. E.
 Shafer, Dora.....C. P.
 *Sherman, LouiseEng.
 Shelton, Mrs. H. G.....
C. P. and P. Eng.
 Shiner, Mrs. Margaret.....J.
 Shuler, Winifred.....H. E.
 Simonson, A. C.....P. E.
 Slack, Mrs. Harry.....P. Eng.
 *Sloan, Lida...P. Eng. and C. P.
 Smith, Lillian.....C. P.
 *Solano, Sister F.....
D. Eng., Eng., and E. H.
 Solko, Mrs. Josephine C.....
C. P. and H. E.
 Stackner, Bonnie.....E. H.
 *Sterrett, Leigh.....C. P.
 Stevenson, Frances L....P. Eng.
 Strong, Mrs. W. W.....D. Eng.
 *Stroup, Mrs. A. B. (Jessie)
D. Eng. and Eng.
 Stutz, Mrs. J. C.....D. Eng.
 Sulivan, IsabelE. H.
 Swayne, Mrs. W. M.....H. E.
 Sweet, Belle
C. P., P. Eng. and M. E.
 Takken, Gertrude.....P. Eng.
 Taylor, Mrs. George...Swimming
 Taylor, Mrs. M. C.H. E.
 *Thomasset, C. A.....D. Eng.
 *Thomasset, Mrs. C. A....D. Eng.
 Thompson, Ethyl M.....C. P.

*Thompson, H. L.....C. P.	Weaver, Helen M.....H. E.
Thompson, M. W.....Eng.	Webb, Mrs. F. J.....Eng.
Topping, Erma .....Eng.	Wells, Lorena.....H. E.
Trumble, Mary .....Eng.	*Westlake, Mrs. Inez B.....
Umberhine, Ethel .....Eng.	.....D. Eng. and Eng.
Valliant, Mrs. G. E.....D. Eng.	White, Mrs. Charles S.....
Van Atta, Mary, P. Eng. & C. P.	.....D. Eng. and P. Eng.
Van Buskirk, L., C. P. and M. E.	White, Sam J.....Eng.
Walburga, Sister	Whitesell, Mrs. C. H.....C. P.
.....D. Eng. and Eng., E. H.	*Wicklund, Irene B.....P. Eng.
Walker, Mrs. J. H.....H. E.	*Wilkinson, Claude Kenneth....S.
Walsh, Jane L.....C. P.	Winfrey, Mrs. May E.....
*Walters, Constance.....P. Eng.	.....D. Eng. and Eng.
Walton, Mrs. W. R.....	Woodson, Mrs. K. M.....P. Eng.
...D. Eng., Eng. and P. Eng.	Zapf, Charles G. ....S.
Wark, Lillian...D. Eng. and Eng.	*Zilles, Teresa .....E. H.
Watson, Edna	Zolman, Mrs. J. H.....C. P.
...D. Eng., Eng., and P. Eng.	

SUMMARIES

SUMMARY OF STUDENTS BY COLLEGES AND SCHOOLS.

December 1, 1921—November 30, 1922.

	1921	1922
College of Arts and Sciences	275	318
College of Engineering	69	75
Graduate School	5	2
Special and Unclassified	28	23
Preparatory	None	None
Summer Session		202
Less Duplicates		44
		158
Extension Students (Adults)	185	253
Less Duplicates	3	182
		59
		194
Total number of different students enrolled	559	770

EXTENSION STUDENTS BY CLASSES.

Summary of Students in Attendance.

January 1, 1922—December 31, 1922.

Dante	63
English	58
Hygiene	34*
Home Economics	41*
Journalism	10*
Mental and Educational Tests	10
Platonic Influence	51*
Psychology	39
Practical Electricity	7*
Radio	6*
Salesmanship	9
Swimming	3
	331
Duplicate registrations	78
	253
Total persons	253

Extension Students in Regular Session and Summer 59

Different persons enrolled 194

*Does not include students entering these classes after January 1, 1923.

SUMMARY OF STUDENTS BY COUNTIES IN NEW MEXICO AND BY STATES.

(Not including Extension and Summer Students).

Bernalillo	195	Otero	2
Chaves	23	Quay	4
Colfax	23	Roosevelt	5
Curry	6	Rio Arriba	3
DeBaca	4	Santa Fe	11
Eddy	15	San Juan	3
Grant	2	San Miguel	7
Guadalupe	4	Sandoval	2
Harding	1	Socorro	7
Lea	2	Taos	3
Lincoln	3	Terrance	8
Luna	2	Union... ..	5
McKinley	13	Valencia	3

Total New Mexico..... 356

Arizona	1	Mississippi	2
Arkansas	3	Missouri	2
California	3	New Jersey	2
Colorado... ..	6	New York	1
Florida	2	Ohio	4
Indiana	3	Oklahoma	2
Illinois	5	Rhode Island	2
Kansas	7	Tennessee	4
Kentucky	1	Texas	3
Louisiana	4	Vermont	2
Michigan	1	West Virginia	3

Total Other States..... 62

Total 418

SUMMARY OF SECONDARY SCHOOLS REPRESENTED 1921.

The following list shows the high schools or private schools in which students now enrolled in the University received their college preparatory work. The numeral indicates the number of students from each school.

NEW MEXICO HIGH SCHOOLS.

Albuquerque	99	Guadalupe County	1
Artesia	4	Hagerman	1
Alamogordo	1	Las Vegas	3
Aztec	1	Lovington	1
Carlsbad	3	Magdalena	1
Carrizozo	2	Mountainair	2
Clayton	6	Otero County	1
Cimarron	2	Portales	5
Clovis	3	Pleasant Hill	1
Colfax	1	Roswell	21
Dawson	5	Raton	4
East Las Vegas	1	Santa Fe	7
Estancia	2	Santa Rosa	2
Farmington	1	Springer	1
Ft. Sumner	3	Taos	1
Gallup	10	Tucumcari	4

 199

PRIVATE SCHOOLS IN NEW MEXICO.

St. Vincent Academy (Albuquerque).....	7
Sacred Heart (Gallup)	1

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STATE EDUCATIONAL INSTITUTIONS.

(Prep. Dept.)

New Mexico Normal School	5
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Students prepared in New Mexico..... 212

HIGH SCHOOLS IN OTHER STATES.

Ashland, Ohio	1	Los Angeles, Calif.	1
Alameda, Calif.	1	Lawrence County, Tenn. ...	1
Anheim, Calif.	1	Many, La.	1
Brown County, Texas.....	1	Madison, S. D.	1
Boise, Idaho	1	Muskogee, Okla.	1
Bryant, Texas	1	Michigan City, Ind.	1
Chelsea, Okla.	1	Norton, Ohio	1
Chattanooga (Cent.), Tenn.	1	North Side (Denver), Colo.	1
Childress, Texas	1	Oklahoma City, Okla.	1
Craig, Colo.	1	Pendleton, Ore.	1
Corning, Kans.	1	Pittsburg (Union), Pa.	1
Detroit (Central), Mich....	2	Ridgefarm, Ill.	1
Escondido, Calif.	1	Sedalia, Mo.	1
Eustis, Fla.	1	St. Louis, Mo.	1
Englewood, Ohio	1	St. Joseph, Mo.	1
El Paso	2	Sargent Bluff, Ia.	1
Garland, Okla.	1	Technical High, Ind.	1
Grove City, Pa.	1	Topeka, Kans.	3
Greenville, Ill.	1	Vivian, La.	1
Joplin, Mo.	1	Warwick, N. J.	1
Glendale, Colo.	1	Westerly, R. I.	1
La Junta, Colo.	1	Williams, Ariz.	1
Lewiston, Ill.	1	Wellington, Kans.	1
Lewisville, Ark.	1	West Lafayette, Pa.	1
Linton, Ind.	2	Whiting, Ill.	1

55

STATE EDUCATIONAL INSTITUTIONS OF OTHER STATES.

(Prep. Dept.)

East Central Normal School, Oklahoma.....	1
University of Arizona	1

2

PRIVATE SCHOOLS IN OTHER STATES.

Kentucky Military Academy	1
Kent School, Conn.	1
Maryville College.....	1
Massanutten Military Academy	1
Palmer Academy	1
St. Benedicts College	1
St. Johnsbury Academy	1

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SUMMARY OF STUDENTS BY HIGHER INSTITUTIONS
REPRESENTED.

Armour Institute	1	School	1
Alexander College	1	New England Conservatory	
Bakersfield Junior College....	2	of Music	1
Baker University	1	New York University	1
Bradley Pol. Inst.	1	Temple University	1
Colorado College	2	Oklahoma College for Women.	1
Colorado School of Mines....	1	Pennsylvania State College...	1
College of Wooster	1	Phillip University	1
Canisius College	1	Rolla School of Mines	1
Carthage College	1	Rockford College	1
Cincinnati School of Law....	1	Shonter College	1
Cornell College	1	Smith College	2
Denver University	2	State Teachers' College, Colo..	1
El Paso Junior College	1	State Teachers' College,	
Georgetown University	1	Kirksville, Mo.	1
Grand Island College	1	South West Texas State	
George Peabody College	1	Normal College	1
Georgetown College	1	University of Arkansas	1
Georgetown University	1	University of Arizona	2
Howard Payne	1	University of California	2
Hiram College	1	University of Colorado	7
Iowa State College	1	University of Chicago	1
James Milliken University ...	1	University of Cincinnati	2
Knox College	1	University of Dubuque	1
Kansas State Agr. College....	2	University of Kansas'	1
Lincoln College	1	University of Michigan	2
Louisiana State University...	1	University of Missouri	1
Lindenwood College	1	University of Nebraska	1
Louisiana State Normal Col.	1	University of Oklahoma	4
Marshall College	2	University of Southern Calif...	1
Maryville College	1	University of Vermont	1
Middlebury College	1	University of Texas	2
Mississippi A. & M.	1	University of Pennsylvania ...	1
New Mexico Normal School... 14		University of Vermont	1
New Mexico Normal University 11		Vassar	1
New Mexico School of Mines..	1	Washburn College	1
New Mexico Military Inst....	3	Ward-Belmont	1
Northern Arizona Normal		Yale	1

Total 119

SUMMARY OF STUDENTS FROM VARIOUS SECONDARY SCHOOLS
AND HIGHER INSTITUTIONS.

(Not including students in Summer Session or Extension Courses.)

January 1, 1921-December 31, 1922.

From Secondary Schools of New Mexico.....	212
From Secondary Schools of Other States.....	64
From all Higher Institutions	119
No Records (Specials not offering credentials).....	23
	— 418

SECONDARY SCHOOLS AND HIGHER INSTITUTIONS REPRESENTED
BY STUDENTS IN ATTENDANCE DURING 1922.

Secondary Schools of New Mexico represented.....	35
Secondary Schools of other States represented.....	59
Higher Institutions represented	71

DEGREES CONFERRED JUNE, 1922

COLLEGE OF ARTS AND SCIENCES.

BACHELOR OF ARTS.

NAME	Major Studies	Minor Studies
Albers, Robert James	Economics	Psychology
Angle, Katherine Goldthorpe*.	English	Education
		Psychology
Caldwell, Charles Scott.....	History	English
Calkins, Thomas Vincent ..	Psychology	English
Cameron, Eleanor May.....	Mathematics	
	Psychology	
	English	
Dixon, Nora Fairly.....	Spanish	Education
		English
Fertsch, Linhart M.....	Physics	Education
Gould, Ralf Fisher.....	Psychology	Education
Guley, Blanche Agnes.....	Psychology	Education
		English
Hernandez, Ralph Octavio...	Economics	History
		Spanish
Hopewell, Robert West.....	History	Psychology
		English
Howden, Douglas Faber*.....	English	History
Johnson, Leonora Mamie.....	English	Chemistry
Johnston, Octavia	English	Education
Mayne, Norman Dwight.....	Economics	Psychology
McDowell, Miriam Katherine.	Mathematics	English
Mosher, Edith Rosena.....	English	Psychology
Ogg, Frank Chappell.....	Mathematics	Latin
Osuna, Aurelia Marie	Romance Languages	Education
Perez, Tonchita	Romance Languages	Education
Sands, Mary Kathleen.....	English	Education
Seruggs, Helen Darrow.....	Mathematics	Education
Stephenson, Dorothy A.....	English	Latin
White, George Walter.....	English	History
Wicklund, Irene Beatrice	History	Spanish

BACHELOR OF SCIENCE.

Lighton, Edward William ...	Chemistry	Physics
Mozley, Paul Phillips.....	Chemistry	Mathematics
Snyder, Wilma Dot.....	Home Economics	Education
Weisenbach, Estelle	Home Economics	Education
Wilson, Clyda	Home Economics	Chemistry

*Degrees voted September, 1921.

COLLEGE OF ENGINEERING

DEGREE OF BACHELOR OF SCIENCE

Sharp, Jonathan.....Chemical Engineering

DEGREES CONFERRED AT END OF SUMMER SESSION 1922

Morris, Daisy Young.....English

Spanish

Neher, Frank Hunter.....

English

Economics

Psychology

Zimmerman, RuthMathematics

Education

CANDIDATES FOR DEGREES, 1923

COLLEGE OF ARTS AND SCIENCES. CANDIDATES FOR DEGREE OF BACHELOR OF ARTS

NAME	Major Studies	Minor Studies
Berger, Walter Otto.....	Economics	English History
Bernhardt, George Clifford....	History	English
Bryan, George Steinman.....	Economics	English
Burcham, Carl	English	Education
Bursum, Claire Isabel.....	History	English
Burton, Lorena Kasey.....	Psychology	Education English
Cartwright, Robert Burns....	History Psychology	
Clowers, Caswell F.....	Chemistry	Education
Collins, William Andrew.....	Biology	Chemistry
Dykes, Elsie Ruth.....	Psychology	English
Feather, Shirley	History Spanish	
Freeman, Cora Nelle.....	Psychology	Education
Gerhardt, Earl A.....	Economics	Spanish
Grigsby, Gwendolyn	Biology History	Education
Graham, George A.....	History	Chemistry
Hopkins, Edmond Mead.....	Economics	History
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Popejoy, Mary McMullen....	Biology	Psychology
Russell, Dora Mildred.....	Spanish	Education English Psychology
Sister Louis Bertrand.....	English	Education
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Stowell, Helen	History	Psychology
Wagner, Frederick T.....	English	Latin
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Wilkinson, Kenneth Claude

PUBLICATIONS BY FACULTY

The following publications by members of the faculty of the State University, either as books or in well-known magazines and journals have appeared between 1919 and 1922, inclusive:

C. A. BARNHART, M.A.

Problem No. 2858 (1920, No. 428), The American Mathematical Monthly. Vol. XXIX, No. 2, pages 89-90.

C. F. COAN, Ph.D.

1. **The Adoption of the Reservation Policy in the Pacific Northwest, 1853-55., Oregon Historical Quarterly, (reprint), Vol. XXIII, No. 1, 38 pages,**

2. **The First Stage of the Federal Indian Policy in the Pacific Northwest, 1849-1852, Oregon Historical Quarterly, (reprint), Vol. XXII, No. 1, 44 pages.**

3. **The County Boundaries of New Mexico. The Southwestern Political Science Quarterly, Vol. III, No. 3, 35 pages.**

R. W. ELLIS, M.A.

1. **Oil Prospects in New Mexico at the Close of 1922, National Petroleum News, Vol. 14, No. 52, pages 43-46.**

2. **The Oil Situation in New Mexico, Bulletin 101, University of New Mexico, Albuquerque, 1920, 48 pages.**

3. **Geology of the Sandia Mountains, Bulletin 108, University of New Mexico, Albuquerque, 1922, 44 pages.**

T. T. EYRE, B.S. in M.E.

Engines and Boilers, Macmillan, N. Y., 1922, 234 pages.

B. F. HAUGHT, Ph.D.

The Interrelation of Some Higher Learning Processes, Psychological Review Monograph Series, Vol. XXX, No. 139, 90 pages.

DAVID S. HILL, Ph.D., LL.D.

1. **Introduction to Vocational Education, Macmillan, N. Y. 1920, 438 p.**

2. **Research in Economic Troubles, Mountain States Banker, Denver, 1920, 3 p.**

3. **Contemporary Problems in Modern Education, The Educational Forum, Vol. I, No. 1, 3 pages.**

4. **Standardized Spelling List, The Journal of Educational Psychology, (reprint), Vol. X, No. 5-6, 6 pages.**

5. **Mental Tests—Nature and Uses, School and Home Education, 1919, pages 127-130.**

6. **Practical Application of Intelligence and Other Tests, School and Home Education, 1919, pages 166-170.**

7. **Intelligence Tests at University Illinois, School & Society, Vol. IX pages 542-545.**

8. **Remaining Errors in Measures of Retardation, Elementary School Journal, Vol. XIX, pages 700-712.**

G. S. HUBBELL, Ph.D.

1. **The Real Trend of Education**, *Sewanee Review*, 1922, October, 6 pages.
2. **Conversion and Education**, *Education*, Vol. XLIII, No. 4, 10 pages.

L. B. MITCHELL, Ph.D.

1. **Some Aspects of Vocational Training**, *School and Society*, Vol. XI, No. 280, 2 pages.
2. **Vergil's Teachings on Rewards and Punishments in the After Life**, *Classical Weekly*, Vol. XIV, No. 8, 3 pages.
3. **Background of the Roman Revolution**, *Classical Journal*, Vol. XVII, No. 6, 7 pages.

A. O. WEESE, M.A. (and C. E. WALLER, M.D.).

1. **Health Work at the University of New Mexico**, *University of New Mexico, Bulletin* 97, December, 1919, 14 pages.

A. O. WEESE, M.A.

2. **Environmental Reactions of Phrynosoma**, *The American Naturalist*, Vol. 53, January, 1919, 21 pages.

A. O. WEESE, M.A. (and M. T. TOWNSEND).

3. **Some Reactions of the Jellyfish Aequorea**, *Puget Sound Biological Station*, Vol. 3, 1921, 12 pages.

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