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# The University of New Mexico

BULLETIN

Thirty-Seventh Annual  
Catalogue

1927-1928

ANNOUNCEMENTS

1928-1929

ALBUQUERQUE, NEW MEXICO

146

# The University of New Mexico

## *Thirty-Seventh Annual Catalogue* 1927-1928

*Announcements 1928-1929*

PUBLISHED BY THE UNIVERSITY

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THE UNIVERSITY OF NEW MEXICO BULLETIN

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# UNIVERSITY CALENDAR

## Summer Session, 1928

|      |     |                                      |
|------|-----|--------------------------------------|
| June | 5,  | Tuesday, 9-12, 1-4—Registration Day. |
| June | 6,  | Wednesday—Class work begins.         |
| July | 4,  | Wednesday—Holiday.                   |
| July | 28, | Saturday—Summer Session ends.        |

## ACADEMIC YEAR

1928-1929

### First Semester

|           |        |  |
|-----------|--------|--|
| September | 10,    | Monday—Entrance Examinations.  |
| September | 11,    | Tuesday, 9-12, 1-4—Registration Day for students resident in Albuquerque and vicinity. |
| September | 12,    | Wednesday, 9-12, 1-4—Registration Day for all other students.                          |
| September | 13,    | Thursday—Instruction begins in all departments.  |
| October   | 13,    | Saturday—Examinations for removal of conditions.                                       |
| November  | 12,    | Monday—Armistice Day will be observed—holiday.   |
| November  | 29,    | Thursday—Thanksgiving Day—holiday.   |
| December  | 20,    | Thursday—Holiday recess begins at 5 P. M.  |
| January   | 3,     | Thursday—Instruction resumed in all departments at 8 A. M.                             |
| January   | 21-25, | Monday-Friday—Semester Examinations. Semester ends Saturday, January 21st, at 12 M.    |

### Second Semester

|          |        |   |
|----------|--------|---|
| January  | 28,    | Monday—Entrance Examinations.   |
| January  | 29,    | Tuesday—Registration Day for students resident in Albuquerque and vicinity. |
| January  | 30,    | Wednesday—Registration Day for all other students.                          |
| January  | 31,    | Thursday—Instruction begins in all departments.                             |
| March    | 2,     | Saturday—Examinations for removal of conditions.                            |
| February | 22,    | Friday—Washington's Birthday—holiday.                                       |
| February | 28,    | Thursday—University Memorial Day.   |
| May      | 25-29, | Saturday—Wednesday and Friday, Semester Examinations.                       |
| May      | 30,    | Thursday—Memorial Day will be observed—holiday.                             |
| June     | 2,     | Sunday—Baccalaureate Services.  |
| June     | 3,     | Monday—Commencement Exercises.  |

## THE BOARD OF REGENTS

HIS EXCELLENCY, THE GOVERNOR OF NEW MEXICO,  
Ex-Officio.....Santa Fe

THE STATE SUPERINTENDENT OF PUBLIC IN-  
STRUCTION, Ex-Officio.....Santa Fe

MRS. REED HOLLOMAN.....Santa Fe  
President.

JOHN F. SIMMS.....Albuquerque  
Secreatry-Treasurer.

MRS. LAURENCE LEE.....Albuquerque

FRANK LIGHT.....Silver City

A. C. TORRES.....Socorro

# ORGANIZATION AND ADMINISTRATION

The University is organized as follows:

THE COLLEGE OF ARTS AND SCIENCES.

THE COLLEGE OF ENGINEERING.

THE GRADUATE SCHOOL.

THE SUMMER SESSION.

THE EXTENSION DIVISION.

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## OFFICERS OF ADMINISTRATION

1927-1928

President: JAMES FULTON ZIMMERMAN, Ph. D.

Dean of the College of Arts and Sciences: LYNN BOAL MITCHELL, Ph. D.

Dean of Students: JOHN DUSTIN CLARK, Ph. D.

Dean of the College of Engineering: PHILIP S. DONNELL, M. E. E.

Financial Secretary: \*JOSEPHINE S. PARSONS, B. A.

Librarian: WILMA L. SHELTON, B. A., B. L. S.

Director of the Graduate Division: BENJAMIN F. HAUGHT, Ph. D.

Director of the Summer Session: SIMON P. NANNINGA, Ph. D.

Adviser of Women: MRS. ELIZABETH SIMPSON.

Registrar and Bursar: F. B. CARRITHERS, Graduate of U. S. M. A., Major, U. S. Army, Retired.

Director of Physical Education and Athletics: ROY WILLIAM JOHNSON, B. A.

Superintendent of Campus: HARRY V. FRANK.

\*Deceased.

## **ASSISTANT ADMINISTRATIVE OFFICERS**

MADGE SHEPARD, B. A., (University of New Mexico) Secretary to the President.

The following are part time student assistants:

LEONA RAILLARD, Secretary to the Dean of the College of Arts and Sciences.

MARGARET HITSON, Secretary to the Dean of Students.

MOYNELLE STEVENSON, Secretary to the Dean of the College of Engineering.

### **Office of the Registrar**

ALICE OLSON, Assistant Registrar.

### **Office of the Bursar**

PATRICK MILLER, B. A., (University of New Mexico), Assistant Bursar.

HELEN STUBBS, Bill Clerk.

### **Library**

RUTH RUSSELL, Assistant Librarian.

THELMA ADAMS, Student Assistant.

DOROTHY EILERS, Student Assistant.

CHARLOTTE KLYNG, Student Assistant.

EUGENE LATHROP, Student Assistant.

RAYMOND STUART, Student Assistant.

### **University Health Service**

P. GILLETTE CORNISH, B. A., (Yale); M. D. (Columbia), University Physician.

### **Physical Education and Athletics**

ROY WILLIAM JOHNSON, Director and Coach.

TOM L. POPEJOY, B. A., (University of New Mexico), Secretary and Business Manager of Athletic Council.

HARRY W. BLISS, Assistant Coach in Football.

### **Dining and Residential Halls**

MRS. ELIZABETH SIMPSON, Supervisor of Dining Hall.

MRS. GENE McL. KINNEY, Matron of Women's Residential Hall.

FRANK REEVE, Proctor of Men's Residential Hall.

## FACULTY AND OTHER OFFICERS OF INSTRUCTION

- ZIMMERMAN, JAMES FULTON, B. A., M. A., (Vanderbilt University); Ph. D., (Columbia University).  
• President of the University and Professor of Political Science.
- HODGIN, CHARLES ELKANAH, B. Pd., LL. D., (University of New Mexico).  
Vice-President and Professor of Education, Emeritus.
- BAKER, J. B., B. S., M. S., (University of Illinois).  
Assistant Professor of Mechanical Engineering and Mathematics.
- BARNHART, C. A., B. A., M. A., (University of Illinois).  
Professor of Mathematics.
- BARRETT, LORETTA, B. A., (University of Iowa).  
Acting Instructor of Hygiene and Physical Education for Women.
- \*BEAUMONT, VINCENT L. R., B. S., (Lane University).  
Instructor in Practical Mechanics.
- BLISS, HARRY W., Assistant Football Coach.
- CLARK, JOHN DUSTIN, B. S., M. S., (New Hampshire College of Agriculture and Mechanic Arts); Ph. D., (Leland Stanford Junior University).  
Dean of Students and Professor of Chemistry.
- COAN, CHARLES FLORUS, B. A., (University of Washington); M. L., Ph. D., (University of California).  
Professor History and Political Science.
- DANIELS, ELNA, B. S., (Barnard College); M. A., (Columbia University).  
Instructor in Physical Education and Hygiene for Women.  
(On leave of absence.)
- DENTON, F., (Hymers College, Hull, England); A. C. G. I., (Imperial College of Science and Technology, London, England).  
Associate Professor of Electrical Engineering and Physics.
- DIEFENDORF, ADELBERT, B. S. in C. E. (Ohio Northern University).  
Associate Professor of Civil Engineering.
- DODDS, MILDRED, B. S., M. S., (Iowa State College of Agriculture and Mechanic Arts).  
Instructor in Home Economics.
- DONNELL, PHILIP STONE, B. S., (Clark University); M. E. E. (Harvard University).  
Dean of the College of Engineering and Professor of Electrical 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.

\*Resigned.

- HAUGHT, BENJAMIN FRANKLIN, B. A., (West Virginia); M. A., (Columbia); Ph. D., (George Peabody College).  
Professor of Psychology and Education and Director of the Graduate Division.
- HEWETT, EDGAR L., D. Sc., (Geneva).  
Professor of Anthropology and Archaeology.
- JOHNSON, MARIE-ELISE (Mrs. Frederick M. Gannon).  
Instructor in Violin.
- JOHNSON, ROY WILLIAM, B. A., (University of Michigan); Certificat, (Universite de Poitiers).  
Director of Athletics.
- KIECH, VEON C., B. S., (University of New Mexico); M. S., (Leland Stanford Junior University).  
Instructor in Chemistry.
- LIGHTON, EDWARD W., B. S., (University of New Mexico).  
Instructor in History.
- MITCHELL, LYNN BOAL, B. A. (Ohio State University); M. A., Ph. D., (Cornell University).  
Dean of the College of Arts and Sciences and Professor of Classics.
- MURPHY, HELEN ELIZABETH, B. S., M. A., Ph. D., (Cornell University).  
Associate Professor Biology.
- NANNINGA, SIMON PETER, B. A., M. A., (Stanford University); Ph. D., (University of California).  
Professor of School Administration and Director of the Summer Session.
- NEUFELD, DIETRICH D., Ph. D., (Jena).  
Assistant Professor of Romance Languages.
- NICHOLS, LOUISE.  
Part-time Instructor in Piano.
- OSUNA, ANITA M., B. A., (University of New Mexico); M. A., Stanford University).  
Assistant Professor of Romance Languages.
- PEARCE, THOMAS MATTHEW, B. A., (University of Montana); M. A., (University of Pittsburgh).  
Assistant Professor of English.
- PIERCE, MRS. CORA FERNE, (Diploma, Defiance College; American College of Music, Toledo).  
Instructor in Theory of Music and Piano.
- POPEJOY, TOM L., B. A., (University of New Mexico).  
Instructor in Economics and Business Administration.
- REEVE, FRANK, B. A., (University of New Mexico).  
Assistant in History.
- ROCKWOOD, ROBERT SPENCER, B. S., (Denison); M. S., (University of Michigan).  
Professor of Physics.
- ROLOFF, WALTER EDWARD, B. A., M. A., (Northwestern University); Ph. D., (University of Wisconsin).  
Professor of Economics and Business Administration.
- SHELTON, WILMA LOY, B. A., B. L. S., (University of Illinois).  
Librarian and Assistant Professor of Library Science.



SIMPSON, MRS. ELIZABETH, (Michigan State Normal College).  
Professor Home Economics and Supervisor of the Dining  
Hall.

SMITH, MRS. FLORENCE.  
Instructor in Voice.

ST. CLAIR, GEORGE WILLIS, B. A., M. A., (Whitman College);  
Ph. D., (University of California).  
Professor of English.

TAYLOR, CARL N., B. A., (University of New Mexico).  
Instructor in History.

THOMPSON, JAMES T., B. S., M. S., (University of Oklahoma).  
Lecturer in Hygiene.

THOMPSON, MRS. GRACE A., B. M., (Defiance College).  
Associate Professor of Music.

TIREMAN, LLOYD S., B. A., M. A., Ph. D., (State University of  
Iowa).  
Assistant Professor of Education.

WICKER, C. V., B. A., M. A., (University of Michigan).  
Assistant Professor of English.

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#### STUDENT AND PART-TIME ASSISTANTS

BARKER, DORIS, Student Stock Room Clerk in Chemistry.

CLEVELAND, CLYDE, Student Assistant in English.

EELLS, LETITIA, Student Assistant in English.

EILERS, DOROTHY, Student Assistant in Psychology.

EILERS, HARRISON, Student Assistant in History and Political  
Science.

FISHER, BOB, Student Laboratory Assistant in Biology.

LONG, MALCOLM, Student Assistant in History and Political  
Science.

REED, WILLIAM, Student Assistant in Practical Mechanics.

SEYFRIED, J. E., Student Assistant in Mathematics.

SHORT, FLETCHER, Student Assistant in Civil Engineering.

STEVENSON, MOYNELLE, Student Assistant in Mathematics.

THOMAS, BARBER-NELL, Student Assistant in Psychology.

WORTMANN, EMMY, Student Assistant in Spanish.

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#### STAFF OF STATE HEALTH LABORATORY

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

GREENFIELD, MYRTLE, B. A., M. A., (University of Kansas).  
Chief, Division of Laboratory, State Public Health Laboratory.

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

HENDERSON, CARL, Laboratory Assistant.

FRANK, CLAIRE, Laboratory Assistant.

## **ADVISORY COUNCIL AND STANDING COMMITTEES OF THE UNIVERSITY**

1927-1928

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

**THE ADVISORY COUNCIL OF ADMINISTRATION:** President Zimmerman, Deans Mitchell, Clark and Donnell.

**ADMISSION AND STUDENT STANDING:** Mitchell, Donnell, Haught, Carrithers, Simpson, Wicker, Kiech.

**COURSES OF STUDY AND SCHEDULE:** Barnhart, Roloff, Baker, Mitchell, Donnell.

**GRADUATE INSTRUCTION:** Haught, Barnhart, Coan, St. Clair, Evers.

**SUMMER SESSION:** Nanninga, Hewett, Neufeld, Mitchell, Haught.

**STUDENT AFFAIRS:** Clark, Simpson, Murphy, Rockwood, Diefendorf.

**LIBRARY AND PUBLICATION:** Shelton, Coan, Denton, Pearce, Evers, Haught.

**ELIGIBILITY:** Rockwood, Carrithers, Ellis, Osuna, Johnson.

**ATHLETIC COUNCIL (Faculty Representatives):** Donnell, Nanninga, Johnson, Tireman.

**AUDIT OF STUDENT ACCOUNTS:** Roloff, Popejoy, Beaumont.

**PUBLIC EXERCISES:** St. Clair, Thompson, Clark, Dodds.

**APPOINTMENTS (Teachers):** Nanninga, Carrithers.

# 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.

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.

In 1901, Dr. William G. Tight, also of Denison University, was elected as successor to President Herrick, and served until his resignation in 1909. In this administration the University made great academic advances, especially in research in geology and biology. Dr. Tight conceived the idea of adapting Indian architecture to the building needs of the University and laid out the grounds with the thought of permanency.

In 1909, Dr. E. D. McQueen Gray was chosen to succeed President Tight, and served until 1912. 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.

One of the first things to demand attention of the Regents 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.

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. 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.

Dr. David Spence Hill was president from July, 1919, to September, 1927, on leave of absence from January 22 to September, 1927. During this period, the University experienced considerable growth. Hadley Hall was finished; Sara Reynolds Hall was built and equipped out of funds raised by popular subscription; two additions were made to the women's residential hall; the heating plant was enlarged; the Korber Buildings were erected, intended to house a wireless station but now used as studios; the long-needed Library was built; about eight hundred acres between the Campus and the Sandia mountains were purchased; the faculty was strengthened; the University was accredited by the North Central Association (1922); several scholarships, prizes, awards, and a student loan fund were created through gifts.

Dr. James Fulton Zimmerman served as acting president during Dr. Hill's leave of absence, and was elected by the Regents in this period as president on and after September 1, 1927. The enrollment of students has greatly increased, necessitating important additions to the faculty. Under authorization of the last Legislature, the Regents have let contracts for four new buildings which are now under construction, namely, a gymnasium, a lecture hall, a biology building, and a residential hall for men. These buildings will be in use before the end of the present academic year. The University is serving a larger number of people through a larger enrollment of students in residence, through evening courses, additional extension courses, and through the re-establishment of correspondence courses.

## SITUATION AND ENVIRONMENT

Albuquerque, the most populous city in New Mexico, (population, 1927, 30,000), 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 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 Santa Fe Railroad station, stand the buildings of the University, overlooking the wide valley of the Rio Grande. Extremes of temperature, whether 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, motor bus lines, three daily newspapers, and important mercantile and manufacturing establishments.

Albuquerque is the greatest educational center of the State, possessing in addition to the University many denominational schools, and the public school system of the City which 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 University's position in regard to religion is non-sectarian.

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.

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## AIM, SUPPORT AND GOVERNMENT

### AIM

The 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 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 pass to the first year of the high school.

The University encourages scholarship, the applications of scientific knowledge to the arts of life, and research. 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.

### SUPPORT

The University is supported by appropriations and in part by income from the proceeds of the rental of lands granted to it by the Federal Government on New Mexico's becoming a state. Its chief support, however, is that of the appropriations made for its maintenance by the State Legislature.

### GOVERNMENT

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.

## BUILDINGS

The architecture of the University buildings is distinctive, practically all of the structures being of the adapted Pueblo type. The buildings now in use on the University Campus include the Administration Building, Chemistry Building, separate Gymnasium for men and women, Hadley Hall, Korber Buildings, Library, Science Hall, Power House, Sara Raynolds Hall, Residential Halls (two for women and one for men), Rodey Hall, and the University Commons.

In addition to the above, there are now under course of construction, a new Biology Building, Gymnasium, Lecture Hall, and Residential Hall for men. The new Gymnasium is being erected near the Athletic Field and contains separate sections for men and women. The new Biology Building will permit of great expansion in both the Biology Department and the Chemistry Department. The new Lecture Hall, designed primarily for scientific demonstrations, will seat nearly four hundred and will be supplied with modern lecture and demonstration equipment.

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THE LIBRARY

In 1926 the University Library was moved from its location in the Administration Building into a new Library building which was erected and furnished at a cost of \$81,593.00.


The Library consists of about 30,908 bound volumes and 52,732 pamphlets. The Library is the designated depository of documents issued by the government, and this material, together with that received from the colleges, universities, and various learned societies constitutes a valuable reference collection. The Library receives 161 general and technical periodicals, and through the courtesy of New Mexico newspaper editors a number of the state papers are available.

The Library has been enriched by the addition of a valuable collection of 170 volumes in Spanish, Latin, Italian and French dating from 1533 to 1803, the gift of a friend of the University. The books treat of law, theology, medicine, architecture, and various other phases of human knowledge.

One of the most beautiful 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.

As the Library is a part of the educational system of the state, all residents of the state are at liberty to use the Library. Books and pamphlets will be loaned upon request and where it is impossible to loan material, reference lists or suggestions as to the source of information are gladly given.

The Library is open every day during sessions, except Saturday and Sunday, from 7:45 a. m. to 9 p. m.; on Saturday from 7:45 a. m. to 5 p. m.





# ADMISSION TO THE UNIVERSITY

## METHODS OF ADMISSION

Applicants for admission to the Graduate School are referred to page 21. Students between the ages of sixteen and twenty-one are admitted to the undergraduate colleges either by certificate or by examination. Applicants who are over twenty-one years of age are admitted under such conditions as are hereinafter set forth.

## ADMISSION BY CERTIFICATE

Graduates of accredited secondary schools will be admitted without examination provided that the subjects pursued and properly certified meet the requirements of the college in which the applicant desires to matriculate. If the applicant is not a graduate, but is able to present a certificate showing that he has fulfilled the specific requirements for admission, together with a statement from the superintendent or principal, that he is in good standing in the school, and that in the superintendent's or principal's judgment he is able to pursue college work successfully, he will be admitted to regular status on trial.

Students desiring to enter on the certificate plan will submit certificates prior to Registration Day otherwise they may expect to encounter delay in being admitted to the University. These certificates should be signed by the principal of the secondary school last attended and should be sent directly to the Registrar of the University.

## ACCREDITED SCHOOLS

Secondary schools in New Mexico accredited by the North-Central Association of Schools and Colleges or by the State Department of Education, and all other secondary schools in other states accredited in a similar way, or by the universities of those states are ipso facto accredited by the University of New Mexico.

Graduates of non-accredited high schools are subject to entrance examinations, as follows: English 3 units, Algebra 1 unit, Plane Geometry 1 unit, foreign language or social science or natural sciences, 2 units.

All other applicants, except Adult Special Students, are subject to entrance examinations in 8 units of acceptable electives in addition to the 7 units in the paragraph above.

Entrance examinations are given at the University, at the beginning of each semester. Applicants who desire to take such examinations should notify the Registrar at least one week in advance.

## REQUIREMENTS FOR ADMISSION TO COLLEGES

Fifteen units of subjects acceptable towards entrance are invariably required for admission to the undergraduate colleges,

some of which units are prescribed, while the others are elective within certain limits.

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.

For convenience, subjects usually offered in secondary schools are classified in six groups, as follows:

- A. English.
- B. Foreign language.
- C. Social sciences.
- D. Mathematics.
- E. Natural sciences.
- F. Vocational and Miscellaneous.

### QUALITATIVE REQUIREMENTS

Ten of the fifteen units offered for admission to either undergraduate college must be of a grade or quality of work above the lowest passing mark, where grades are indicated by letters or symbols, or above 76% where grades are indicated by numerals and where 70% indicates the passing mark. Applicants who cannot meet this requirement may be admitted on trial.

### QUANTITATIVE REQUIREMENTS

#### A. College of Arts and Sciences

For admission to the College of Arts and Sciences, applicants must fulfill the following requirements, and, in case of deficiency, no applicant shall be admitted unless he can qualify as an Adult Special student.

1. Group A. English, 3 units.  
(Note.—In the case of foreign students, their native language and literature will be accepted in lieu of the above requirement of English, if equivalent in nature and amount, but they must have a working knowledge of English.)
2. Groups B-E inclusive, 3 units in one group and 1 unit in another or 2 units in each of three.  
(Note.—If foreign language is offered towards this requirement at least 2 units must be in one language.)
3. Electives from Groups A-F to make a total of 15 acceptable units, but with a maximum of 4 units from Group F.

It should be kept in mind that students deficient in mathematics generally are handicapped in college work. Students who intend to specialize in science should have a thorough preparation in mathematics and sciences. Students will find it advantageous to have had three years' work in a foreign language. Many Schools of Law and Medicine require, or strongly urge, Latin.

**B. College of Engineering**

For admission to the College of Engineering, applicants must fulfill the following requirements, and, in case of deficiency, no applicant shall be accepted unless he can qualify as an Adult Special Student.

1. Group A. English, same as for College of Arts and Sciences.
2. Groups B-E inclusive, same as for College of Arts and Sciences, except that either 2 or 3 units in mathematics must be offered toward this requirement.
3. Electives from Groups A-F to make a total of 15 acceptable units, but with a maximum of 4 units from Group F.

It is recommended that high school students intending to matriculate in the College of Engineering should include physics and all the mathematics possible in their offerings for admission. Otherwise, they will be obliged to earn credit in college in intermediate algebra, solid geometry, and physics in addition to completing the regular requirements of the curriculum. Students with such deficiencies are liable to find that they cannot complete the curriculum in four years.

**SUBJECTS REQUIRED OR ACCEPTED FOR ADMISSION**

Group A. English.

Group B. Foreign Language.

Two or three units if offered to meet part of the quantitative requirement No. 2. Not less than one unit in any foreign language will be accepted as an elective under quantitative requirement No. 3.

Group C. Social Sciences.

- (1) Ancient History.
- (2) Medieval and Modern History.
- (3) English History.
- (4) United States History.
- (5) General History (but not in addition to Ancient Medieval and Modern History).
- (6) Civics (may include American Citizenship,  $\frac{1}{2}$  unit, and Community Civics,  $\frac{1}{2}$  unit).
- (7) Economics.
- (8) Sociology.
- (9) Citizenship.
- (10) Community Civics.

Group D. Mathematics.

Where two units are offered in algebra, the second unit must consist of one-half unit of intermediate, and one-half unit of advanced algebra.

**Group E. Natural Sciences.**

- (1) Biology, elementary.
- (2) Botany.
- (3) Chemistry, no credit given for less than 1 unit.
- (4) General Science.
- (5) Geology.
- (6) Physical Geography or Physiography.
- (7) Physics, no credit given for less than 1 unit.
- (8) Physiology and Hygiene.
- (9) Zoology.

**Group F. Vocational and Miscellaneous Subjects.**

The maximum accepted from this group is four units.

- (1) Agriculture.
- (2) Art.
- (3) Bible.
- (4) Commercial Subjects.
- (5) Home Economics (Domestic Art and Domestic Science).
- (6) Industrial Subjects.
- (7) Manual Training and Arts (including Drawing, Printing, etc.).
- (8) Music.

**Optional Subjects:** Other subjects completed in accredited high schools will be considered on their merits.

**TESTS FOR FRESHMEN**

All students admitted as Freshmen are given an intelligence test and a medical examination. Various departments of instruction give tests designed to reveal the student's aptitude for and previous training in the subjects taught in these departments.

Every student registered in Freshman English is examined as to his ability to use clear, correct, idiomatic English. No student can pass this test nor continue in English 21 who shows serious weakness in spelling, punctuation, grammar, diction, or sentence structure. Mere fluency or facility in writing will not be accepted in place of accuracy in these respects. Students who do not pass this proficiency examination are registered in a review course designed to make up that deficiency. See English 11, p. 89.

**ADMISSION FROM OTHER COLLEGES AND  
UNIVERSITIES**

Students from other accredited institutions who have pursued standard college courses will be admitted and will receive tentative credit for such courses upon the presentation of proper certificates of credits and of good standing. All applications for advanced standing should be addressed to the Registrar, and must be accompanied by complete, official transcripts of all previous work, and by a statement showing that applicant may re-register at any time in the institution last attended.

To be eligible for admission, students purposing to transfer from other colleges must have maintained a quality of work on at least a parity with that required of students in the University of New Mexico.

Students who are disqualified from re-registration in other colleges or universities on the basis of their records (scholastic or conduct) attained therein will not be admitted to the University of New Mexico during the period of their disqualification, and, in extreme cases, will not be admitted at any time.

Transcripts should be sent direct to the Registrar from the institution issuing them; all other documents are subject to verification. The evaluation of transcripts for advanced standing is made by the Committee on Admission and Student Standing, and any advanced standing allowed is strictly tentative and dependent upon subsequent, satisfactory record at this institution.

Students entering with advanced standing must complete in this University during the senior year at least thirty hours of work before graduation, including six hours in their major study and three hours in their minor 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 must give evidence of ability to pursue with profit such courses as they elect.

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. An adult special student will not be permitted to continue his status indefinitely and as a rule must satisfy all entrance requirements by the end of the first year for which he is enrolled.

### 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 in some other institution of approved rank. (See also page 17.)

# GENERAL ACADEMIC REGULATIONS

## REGISTRATION

### REGISTRATION OF STUDENTS

All persons who expect to attend the University for the first time should cause to be sent from the school last attended, and directly to the Registrar, 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 upon or until they pass entrance examinations.*

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 the Bursar.

(4) Registration is continued 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 Department involved. A student should advise freely with faculty members before deciding upon his group of studies.

(5) Each student must make an appointment with 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 approved finally by the Dean.

(6) The student then applies to the Dean of his Col-

lege 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.

Ordinarily, students will not be admitted to the University more than two weeks after registration.

#### 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 PROGRAM OF STUDIES

*No student will be permitted to enroll in less than 14 credit hours except for reasons presented in writing and duly approved by the Dean.*

#### 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.

#### 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

1. Students are expected to attend all meetings of the classes in which they are enrolled.
2. A student absent for any reason whatsoever is expected to do the full work of the course. He must make up work lost through late registration, as in the case of any other absence.
3. Instructors shall report absences before the close of the day on which they occur.
4. Absences on account of illness amounting to three or more consecutive days will be subject to discipline unless reported by the student to his dean, (in case of women students, to the Supervisor of Women), with a certificate from a physician or other responsible authority.
5. If a student wishes to be absent from classes on account of athletics, debating, or other regularly recognized University activity, he shall obtain permission in advance from his dean through the director of the activity.
6. Instructors shall include the number of absences in their six weeks reports and on their final semester reports.
7. In all cases of absence, the instructor is the judge as to whether the student may make up the work, the amount of work to be made up, and the effect of the absence on the student's grade in the course. It is the duty of the student to confer with the instructor as soon as possible after his absence.
8. It shall lie in the province of the dean
  - A. To withdraw a student from a course with the grade of F, when the instructor reports that the student can not pass the course on account of absences.
  - B. To administer other forms of discipline when absences indicate the necessity thereof, including the recommendation of dismissal from the University.

## GRADING AND EXAMINATIONS

The grades of students in courses 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, F, and WF, 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.         |

WF—Dropped from course for discipline with grade of F.  
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 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.

Capable students who chronically make low grades will be encouraged to withdraw from the University.

#### 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 Bursar. The fee is charged for each final semester 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 EXAMINATIONS

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, may, on the recommendation of the Committee on Admission and Student Standing and with the authorization of the President, 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. Honorable dismissal signifies that, so far as conduct is concerned the person thus dismissed is in good standing and may re-register in this University at any time. Additional transcripts are furnished at the rate of one dollar a copy.

#### UNIFORM GRADUATION REQUIREMENTS

Every candidate for a degree must spend in residence at this University at least one (the last) academic year. He shall complete a normal program of studies of not less than 30 acceptable semester hours, in the Senior year, and in residence. Students may fulfill part or the whole of this residential requirement by attendance upon a sufficient number of successive summer sessions at the University of New Mexico. The average time for the completion of a degree-course is four years following graduation from an accredited high school.

## ACADEMIC REQUIREMENTS

The academic requirements for a degree in either College are based upon both quantity and 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. (See also other requirements existing in the undergraduate Colleges, pages 17 and 18.)

## 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 year of each student.

## 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. Each course earns one-half credit hour. A total of one credit hour, two semesters' work, must be earned for any baccalaureate degree, in addition to the amounts required in academic subjects.

Students who fail to meet the requirements may have their grades and credit withheld in other courses.

#### UNIVERSITY ASSEMBLIES

Assemblies are held in Rodey Hall regularly on Friday, or 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. The penalty for excessive unexcused absences from assembly is the deduction of one credit hour from the total earned in one semester of residence.

#### PUBLIC PERFORMANCES

The Board of Regents of the University has resolved that all proposed public performances in any way involving the name of the University must be authorized by the University officials before definite plans for the same are made, or any directors 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. Applications must be filed with the Dean of Students.

#### HAZING

Hazing is condemned by public opinion and law and will not be tolerated by the students, faculty or regents of the University of New Mexico.

By hazing is meant those actions already recognized as hazing by the disciplinary measures of this institution, and defined in the statutes and penal codes of American states,

and in general, any action of students which unduly harasses, annoys, or makes ridiculous one person for the pleasure or satisfaction of others.

#### GENERAL CONDUCT OF STUDENTS

Every member of the 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 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 Under-graduate Students*, issued by the University.

In the performance of its function the 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.

## EXPENSES AND EMPLOYMENT

### EXPENSES

In accordance with the State laws and the desire of the people of the State, it is the policy of the 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.

|   |         |
|---|---------|
| Matriculation fee (paid once).....                  | \$ 5.00 |
| Tuition, resident students, per semester.....       | 15.00   |
| *Tuition, non-resident students, per semester ..... | 35.00   |
| †Student activities fee, per semester.....          | 5.00    |

Students who register in courses earning not more than five credit hours will pay the following registration fees only:

|  |         |
|--|---------|
| Matriculation fee (paid once).....             | \$ 5.00 |
| Tuition, resident students, per semester.....  | 10.00   |
| Tuition, non-resident students, per semester.. | 25.00   |

At the time of registration a guarantee deposit of \$10 to cover possible breakage or damage to University property, is required of each student.

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**\*Student Fees, Resident and Non-Resident.**—The following resolution was adopted by the unanimous vote of the members of the Board of Regents, November 5, 1927: "BE IT RESOLVED, by the Board of Regents, that (1) Non-resident fees shall be collected from all minors whose parents or legal guardians reside outside of New Mexico, this regardless of the class status of the student; and that (2) Resident fees shall be collected from all others registering, inasmuch as the Attorney General of New Mexico holds that the parents or legal guardians of a minor student are residents of this state, provided that they are in the state at the time of the student's registration, and also provided that they are in the state with the evident intention of remaining." (Minutes, Board of Regents, Vol. III, p. 115.)

†The Student Activities Fee (\$5) has been voted voluntarily by the Associated Students and is collected by the University as a courtesy to the students. (See Constitution, Articles VI and VIII.) It is understood that all organizations to which this collected money is to be paid will comply faithfully with all requirements, including audits, and the University reserves the right to withhold, or to refund to the students, such funds as may be necessary.

Students voluntarily leaving the University within two weeks after registration during the regular sessions or within one week after registration during the summer session, will be refunded all academic fees except the matriculation fee. After these dates neither tuition nor any fee will be refunded, though the guarantee deposit or balance thereof is returnable to students withdrawing from the University at all times. Students withdrawing under discipline forfeit all rights to the return of any portion of tuition or fees except the guarantee deposit. In no case will laboratory fees be refunded to students. For regulations concerning board and room, see pages 32, 33 and 34.

## SPECIAL FEES

|                              |        |
|------------------------------|--------|
| Special examination fee..... | \$2.00 |
| Change in program fee.....   | 1.00   |

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

## Diploma fees:

|                     |         |
|---------------------|---------|
| Undergraduate ..... | \$ 5.00 |
| Graduate .....      | 10.00   |

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 FEES

Laboratory fees will be collected each semester from each student registering for any of the subjects listed below. These fees apply individually to each numbered course as segregated under the various subjects, 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.

|  |        |
|--|--------|
| Biology 1 and 2.....   | \$5.00 |
| Biology 54, 55, 141, and 142, per credit hour                                  | 3.00   |
| Chemistry 1, 2, 51, 52, 62, 68, 101, 102, 151,<br>and 152 per credit hour..... | 3.00   |

|  |        |
|--|--------|
| Civil Engineering 152 and 166.....                 | \$2.00 |
| Civil Engineering 112 and 114.....                 | 3.00   |
| Civil Engineering 53, 54 and 103.....              | 4.00   |
| Electrical Engineering 107 and 108.....            | 2.00   |
| Electrical Engineering 111, 112, 155, and 156..... | 4.00   |
| Geology 1, 2, 51, and 103.....                     | 1.00   |
| Geology 52.....                                    | 4.00   |
| Home Economics 11, 12, 61, and 62.....             | 1.00   |
| Home Economics 75.....                             | 3.00   |
| Home Economics 53, 54, 105, 106, and 181.....      | 5.00   |
| Mechanical Engineering 114.....                    | 1.00   |
| Mechanical Engineering 112, 113, and 116.....      | 2.00   |
| Mechanical Engineering 104.....                    | 3.00   |
| Mechanical Engineering 105.....                    | 6.00   |
| Physics 1 and 2.....                               | 3.00   |
| Physics 51, 54, and 114.....                       | 4.00   |
| Practical Mechanics 11 and 16.....                 | 2.00   |
| Practical Mechanics 2 and 6.....                   | 6.00   |
| Psychology 51, 52, 113, 114, and 115.....          | 1.00   |
| Psychology 121 and 122.....                        | 2.00   |

## MUSIC FEES

In addition to the other registration or laboratory fees, students enrolling in the Department of Music will pay the following fees:

|   |         |
|---|---------|
| Piano, eighteen one-half hour lessons.....      | \$18.00 |
| Pipe Organ, eighteen one-half hour lessons..... | 18.00   |
| Violin, eighteen one-half hour lessons.....     | 18.00   |
| Voice, eighteen one-half hour lessons.....      | 18.00   |

## BOARD AND LODGING

Limited quarters for resident students taking not less than 12 credit hours of authorized work are provided in the four Residential Halls, two for men and two for women. Two or three students, as a rule, occupy a suite. The rooms are furnished and electric lights and steam heat are provided, but students supply their own bedding, towels, etc., and pay for their own laundry bills. Occupants of rooms are required to keep their rooms in clean, attractive condition, and to observe all regulations therefor. The Men's Residential Halls are in charge of a Proctor, and the Women's Residential Halls are also in charge of Proctors.



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 \$30.00 to \$37.50 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 \$35.00 per month in advance. New and larger rooms are available for women students, two in a room, at \$32.50 per month, board and lodging included. Two especially large rooms may be had for \$37.50 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.

Accommodations are limited; therefore *prospective students should remit as soon as possible to the Registrar a reservation fee of ten dollars to be applied toward the student's account for room.* This amount will not be refunded for any reason after the beginning of the session, but in case of failure to attend the University, will be refunded only if claimed prior to the opening of the University.

All students who have not made reservations and who expect to reside in the dormitories, will be required to pay at registration an amount sufficient to cover rent charges for the first two months of residence. This amount will not be refunded for any reason.

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 University who do not reside in University property may procure meals at the following rates:

Meals for one month, \$25, paid in advance. Tickets for students or faculty members not domiciled in Univer-

sity property are non-transferable and good only during the 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 \$8.00 for 20 coupons, which are non-transferable.

#### SINGLE MEALS

Single meals will be supplied to those connected with the University at the following rates:

|                                     |     |
|-------------------------------------|-----|
| Breakfast .....                     | 35c |
| Dinner .....                        | 50c |
| Supper .....                        | 50c |
| Dinner (Sundays and holidays) ..... | 75c |

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 whenever 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 expenses, 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 expense 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 Registrar.

## HONOR DAY AND PRIZES

Annually on the occasion of Honor Day, the President of the University and the President of the Associated Students, in the presence of the students and friends, announce 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 to 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, established a permanent fund of five hundred dollars, the proceeds of which are to be used perpetually as a prize to stimulate scholarship. The C. T. French Medal for Scholarship will be awarded annually by the President of the 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 two full academic years.

(2) Character as well as scholarship will be considered in awarding the French Medal for scholarship.

(3) Only 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.

### GEORGE BREECE PRIZE FOR EXCELLENCE IN ENGINEERING

Mr. 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 senior students of Engineering in residence and taking a full course. This award will be made upon the basis of excellence of scholastic record and character during two

consecutive years in this institution and general fitness to be determined by a committee appointed by the President of this University.

#### MARIAN COONS KINDNESS AWARD

In May of 1925, Mr. J. H. Coons of Albuquerque gave to the Regents \$600 in Liberty Bonds for the establishment of the Marian Coons Kindness Award, in memory of Mr. Coons' little daughter. The award will be given to the qualified student enrolled in the Home Economics Department who shall be voted the most kind by her classmates and by her teachers in that Department.

#### ALFRED GRUNSFELD MEMORIAL FOUNDATION

In October of 1927, Mrs. Mariam N. Grunsfeld donated the sum of \$5,000.00 to the University to found and establish a perpetual trust to be known as the Alfred Grunsfeld Memorial Foundation, in memory of her husband, the late Colonel Alfred Grunsfeld. The income only from this trust fund is to be used in the payment of scholarships. The scholarships shall be given in accordance with the following conditions:

At the commencement in each school year, the President of the University shall, upon the recommendation of a committee of the Faculty appointed by him, select some worthy student who has been for that school year in actual attendance upon the University and who has done full time work and who is not above the grade of a Junior and who is a resident of the State of New Mexico and who has for said year been regularly enrolled in the Department of History and Political Science of the University, and confer upon such student the Alfred Grunsfeld Scholarship for the purpose of enabling said student to continue his or her education for the next school year, and when said student shall matriculate at the beginning of the next regular school year said student shall be entitled to receive from the Treasurer of the University of New Mexico, so much of the unexpended income from the trust as shall be available, not to exceed the sum of Four Hundred Dollars (\$400), which shall be paid to said student, one-half upon his or her matriculation and one-half at the beginning of the second semester, and which money

shall be used by said student for his or her expenses during the school year for which the scholarship was awarded. If the student designated shall only attend the University for the first semester and shall fail for any reason to continue for the second semester, then the remaining half of the scholarship fund for that school year may be awarded to an alternate to be selected for the remainder of that school year in the same manner as hereinabove provided. In selecting the student to receive the scholarship consideration shall be given to the scholarship of the student and his or her grades in History and Political Science during the first semester, the deportment and character of the student and his or her financial necessities, and the action of the President, when approved by a committee of the Faculty so appointed by him, in awarding said scholarship shall not be subject to review.

#### PHILO S. BENNETT PRIZE

In 1905, under the provisions of the will of the late Philo S. Bennett, of Bridgeport, Connecticut, the University received a gift of \$500.00 to be used in assisting women members of the Freshman Class during the second semester. This fund, through investment, has grown to \$1,200.00. The income from the fund is awarded annually, in January, to the woman of the Freshman Class who is most worthy, who has resided in New Mexico for at least the preceding four years, and who will continue as a resident student in the University. The award, under this fund, was made for the first time in January, 1928.

#### THE KATHERINE MATHER SIMMS AWARD

In 1921, Mr. Albert G. Simms, of Albuquerque, presented to the Regents of the University the sum of \$250.00, in trust, the interest from which sum is awarded and paid in cash, annually, at the Commencement Exercises, to that woman student in actual attendance at the University of New Mexico, not below the grade of Junior, who shall have excelled in English composition. The student shall be chosen by the Dean of the College of Arts and Sciences and the Professor or Professors of English in that College.

This award is "The Katherine Mather Simms Award for Excellence in English Composition, given by Albert G.

Simms, in memory of his deceased wife, Katherine Mather Simms."

#### H. L. DOUGHERTY AWARD

In 1927, a number of friends of the late Professor Harry L. Dougherty gave the University a sum of money, the income from which is awarded, annually, in cash to that student of the College of Engineering who has the highest general standing. The student to whom the award is made is selected by the Dean of the College of Engineering, together with the heads of the College of Engineering Departments.

This is known as the H. L. Dougherty Award in memory of Professor Dougherty who, at the time of his death, was on leave of absence from his University duties of Assistant Professor in Civil Engineering.

#### CHI OMEGA PRIZE

The Chi Omega sorority established in 1925-26 an annual prize of fifteen dollars to the woman student (Chi Omegas excepted) who does the best work in economics during the college year. The student will be selected on the basis of scholarship and general knowledge of the subject by a faculty committee.

#### ALPHA CHI OMEGA PRIZE

The Alpha Chi Omega Sorority, established in 1927-28, an annual prize of ten dollars to the student registered in the Department of Music, making the greatest improvement during the regular academic year. The faculty of the Department of Music will be the judges of the award.

#### THE IVES SCHOLARSHIPS

The Ives Memorial Scholarships were created by the will of the late Byron H. Ives, of Albuquerque, in memory of Julia Louise Ives and Helen Andre Ives. The income of the fund is used to maintain three scholarships of the sum of two hundred dollars each. The scholarships are awarded

annually by a Committee of the Faculty, and candidates must meet the following qualifications: Residence in New Mexico, preferably in Albuquerque; good health; good moral character; scholarship; and intention to teach. Candidates for these scholarships should make written application to the President of the University; final selections for the next academic year will be made during the month of July regularly.

#### THE CECIL RHODES SCHOLARSHIPS

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.

Mr. Woodford Heflin, Class of 1926, was elected a Rhodes Scholar from New Mexico in the fall of 1926.

#### GIFTS AND DONATIONS

##### PAAKO RUINS

In January, 1928, the Santa Fe Copper Mining Company gave the University a deed for thirty acres of land in the San Pedro grant. This grant is located in the Sandias about twenty-five miles from Albuquerque and the tract deeded to the University contains the ruins of an ancient Indian Pueblo over three hundred years old. These ruins will be excavated in connection with the instruction in Archaeology.

##### PARSONS AND HODGIN GROVES

Judge C. M. Botts, of Albuquerque, made a gift of \$1,000.00, in January, 1928, to the University to be used in



planting groves of trees as memorials to Miss Josephine S. Parsons and Dean C. E. Hodgin.

#### PEARCE RODEY GIFTS

Mr. Pearce Rodey, of Albuquerque, presented two pictures to the University to be hung in the New Mexico room of the University Library. One is of his father, Judge B. S. Rodey, and the other is of Kit Carson.

#### MAX NORDHAUS GIFTS

Mr. and Mrs. Max Nordhaus, of Albuquerque, presented the University with a valuable collection of ancient pueblo and cliff dwelling relics consisting mainly of pottery and stone implements excavated from ruins in Socorro county and on the west side of the continental divide.

#### 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.

#### 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 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 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. Lobo, and yearbook, The Mirage, are elected by the Publication 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, and are subject to the approval of the Faculty and President. The University is an associate member of the Rocky Mountain Conference.

The students support several other organizations. Among these are the Y. M. C. A., the Y. W. C. A., El Circulo Espanol, the Tennis Club, the Student Chapter of the American Association of Engineers, the Independent Men, and the Independent Women.

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 University of New Mexico have assisted in the formation of student codes, in the maintenance of living quarters for their members, and in the development of pleasant social life outside of work hours. Three national fraternities, Pi Kappa Alpha, Sigma Chi, and Kappa Sigma, and two local fraternities, Omega Rho and the Coronado Club, are represented among University men, and five national sororities, Kappa Kappa Gamma, Alpha Delta Pi, Phi Mu, Alpha Chi Omega, Chi Omega and Beta Sigma Omicron, among the women. The women's sororities have formed a local Pan Hellenic Association which regulates "rushing" and other sorority matters, and the men's fraternities have organized an Inter-Fraternity Council for the regulation of fraternity matters. The men's fraternities own houses near the Campus.

The Board of Regents has authorized the fraternities and sororities to build chapter houses on the Campus under the proper safeguards and restrictions. The location, type of house, etc., to be decided by the President of the University.

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.

## LOAN FUNDS

The New Mexico State Federation of Women's Clubs has established a Student Loan Fund to be used in assisting worthy women students at the University.

In addition, the University has a Student Loan Fund made up from gifts of former years which is loaned under proper supervision to needy students of the University and which has assisted many students to complete their education at the University.

## MILITARY TRAINING

### AVAILABLE AND LEADING TO A COMMISSION IN THE OFFICERS' RESERVE CORPS

Application has been made to the U. S. Government by the Regents in behalf of the University for a unit of the Reserve Officers Training Course, which unit would in general be similar to those now in existence at all but one of the other state universities. The installation of this unit awaits adequate appropriation by Congress. In the meantime there have been established on the campus two units of the New Mexico National Guard in which enlistment is entirely voluntary. This affords the opportunity for training which is now necessary under the National Defense Act of 1920 for those desiring to secure a commission in the Reserve. At present scholastic credit is not given for training in the Guard.

The members of these two units are paid for their drills at a minimum rate of \$1.00 per drill, the pay increasing to \$3.00 per drill for the higher non-commissioned positions. The drill periods are once each week and are on week days at a time when they will least interfere with the regular class and laboratory work. As one of the two units is a cavalry troop and the other an engineer company, the types of work done in the two units differ to a considerable extent, thus giving an excellent opportunity for choice of work.

The training gained in either is invaluable from the point of view of developing the fundamentals of manhood and leadership, and although these are the important advantages, there are the others already named, viz: monetary gain, and the commission in the Reserve, insuring those who receive it against being drafted as an enlisted man in any national emergency.

The Engineer Company is Company "D," 120th Engineer Regiment belonging to the 45th Infantry National Guard Division. The Cavalry Troop is Headquarters Troop of the 111th Cavalry Regiment. The majority of the officers are members of the faculty of the University, which insures coordination between the training received as a member of the military unit and the college curricula.

## COLLEGE OF ARTS AND SCIENCES

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 biology, 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, physics, psychology, and romance languages and literature. 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

The quantitative requirement of 124 hours is based upon average quality of work done. This amount is reduced slightly for higher grades than C and is added to for lower grades than C. (See page 27). Ninety hours of the total required for a degree must be of C grade or better.

A certain amount of the four years' course is prescribed in specific courses or in electives within groups of subjects, with the intention that every student shall lay a sufficiently broad foundation in English, other languages, the sciences and mathematics, and history, government and economics. During the junior and senior years he devotes about one-half of his time to his major and minor studies, and chooses his electives with the advice and approval of his major professor.

The requirements in Hygiene, Physical Education and Public Assembly are explained on page 27.

### GROUP REQUIREMENTS FOR DEGREES

(Note.—No student shall be classified as a Junior who is deficient in more than 4 hours of the group requirements.)

**I. English.** Six credit hours must be earned in English 21 and 22, and 3 additional credit hours must be earned in courses numbered above 50.

## II. Foreign Language.

(a) When the student has been admitted with at least two units in one foreign language, he must earn either 6 credit hours in the same language, or 12 credit hours if he elects to begin another language.

(b) When the student has been admitted with less than two units in one foreign language, the requirement is raised to 18 credit hours.

**III. Social Sciences.** Courses earning 9 credit hours must be completed in this group. Not more than 6 hours from the same department may be applied to this group requirement. When a student has been admitted with less than one unit in social sciences, the requirement is raised 3 credit hours. The subjects contained in this group are:

- Anthropology.
- Economics.
- Education.
- History.
- Political Science.
- Philosophy.
- Sociology.

**IV. Mathematics and Sciences.** Courses earning 12 credit hours must be earned in subjects contained in this group. Not more than 8 hours from the same department may be applied to this group requirement. When a student has not earned credit in either mathematics or science in high school, the requirement is raised in his case to 18 credit hours. The subjects contained in this group are:

- Biology.
- Chemistry.
- Geology.
- Home Economics (food courses only).
- Mathematics.
- Physics.
- Psychology (courses 51, 52, 121, and 122).

## 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 toward 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 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 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 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 of this University.

#### RESTRICTIONS IN ELECTIVES

Not more than 50 credit hours earned in courses open to Freshmen are accepted toward 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 four 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 19 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 (thirty semester hours) in accordance with the requirements and regulations of the University. If such candidates have completed a major study in Group III, they may, upon request, receive the degree of Bachelor of Science.

## PROFESSIONAL HIGH SCHOOL TEACHER'S CERTIFICATE

(The University of New Mexico does not guarantee the following statements as of any particular date, as they are subject to change by the State Board of Education without notice.)

### 1. *Five Year High School Certificate.*

A five-year high school certificate may be issued by the State Department of Education to applicants who present credentials covering the following:

(a) Graduation from a standard approved high school comprising at least fifteen units of secondary work or College entrance examinations covering same.

(b) Graduation from a standard college, university, or normal college with an A. B. or B. S. degree or their equivalent, granted on a minimum of 120 semester hours or 180 term hours, at least fifteen semester hours or 22½ term hours, of which must have been in Education (including certain courses in Psychology).

### 2. *High School Certificate.*

In addition to the above requirements, satisfactory evidence must be shown of forty-five months' teaching experience, of which nine months must have been in New Mexico.

### 3. *Certificates to Teach Special Subjects.*

Certificates, entitling holders thereof to teach specific subjects, such as Printing, Music, Art, Manual Training (or other shop work), Physical Training, Commercial Subjects, and other subjects, will be issued by the State Board of Education, upon presentation of satisfactory evidence that the applicant is of good moral character, has the satisfactory educational qualifications and has had sufficient practical or trade experience to teach the specific subject, or subjects satisfactorily. For salary purposes such certificates shall be considered the equivalent of the Five Year High School Certificate.



4. *Junior High School Certificate.*

The Junior High School Certificate will be issued on the same credentials as the five year professional certificate for elementary schools based on credentials, plus evidence of eighteen months of successful teaching experience, at least nine months of which shall have been in New Mexico. The holder of such certificate shall be eligible to teach in the elementary school or in high schools accredited for only one, two, or three years of High School, or in Junior High Schools.

## GENERAL CURRICULUM

Freshmen in this College will make their programs of study conform to the following plan:

|  |           |
|--|-----------|
| A. Physical Education .....  | ½ hour    |
| B. English .....   | 3 hours   |
| C. Hygiene .....   | 1 hour    |
| D. Foreign language .....  | 3-5 hours |
| E. Anthropology, History, Political Science, Economics,<br>or Business Administration..... | 3 hours   |
| F. Mathematics, Physics, Chemistry, Geology, or<br>Biology .....                           | 3-5 hours |
| G. Electives .....   | 0-4 hours |

Any subject from E or F provided that a course be chosen from a department not already represented.

Home Economics.

Music.

Practical Mechanics.

General Engineering Lectures.

Library Science.

Total.....15-17 hours

In their second year, students will register 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 IN BUSINESS ADMINISTRATION

## FIRST YEAR

| First Semester   |     | Second Semester  |     |
|--|-----|--|-----|
| English .....  | 3   | English .....  | 3   |
| Economics .....  | 3   | Economics .....  | 3   |
| Foreign Language .....   | 3-5 | Foreign Language .....   | 3-5 |
| Hygiene .....  | 1   | Hygiene .....  | 1   |
| Physical Education .....   | ½   | Physical Education .....   | ½   |
| Mathematics, Physics,<br>Chemistry, Geology,<br>or Biology ..... | 3-5 | Mathematics, Physics,<br>Chemistry, Geology,<br>or Biology ..... | 3-5 |
| Electives .....  | 0-3 | Electives .....  | 0-3 |

## SECOND YEAR

The student will take additional courses in Economics and Business Administration and will complete his group requirements. Additional courses should be chosen from the list "Courses Recommended" 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: Political Science, History, and Psychology.

## COURSES RECOMMENDED

|                                   |   |
|-----------------------------------|---|
| History 101 and 102 .....         | 6 |
| Political Science 21 and 22 ..... | 6 |
| Psychology 51 or 54 .....         | 3 |

## CURRICULUM IN HOME ECONOMICS

## FIRST YEAR

| First Semester        |     | Second Semester       |     |
|-----------------------|-----|-----------------------|-----|
| English (21) .....    | 3   | English (22) .....    | 3   |
| Hygiene (1) .....     | 1   | Hygiene (2) .....     | 1   |
| Phys. Educ. (5) ..... | ½   | Phys. Educ. (6) ..... | ½   |
| For. Lang. .....      | 3-5 | For. Lang. .....      | 3-5 |
| Chemistry (1) .....   | 4   | Chemistry (2) .....   | 4   |
| Home Econ. (11) ..... | 3   | Home Econ. (12) ..... | 3   |
| Electives .....       | 0-3 | Electives .....       | 0-3 |

## SECOND YEAR

| First Semester               |   | Second Semester       |     |
|------------------------------|---|-----------------------|-----|
| Biology (1) .....            | 4 | Biology (26) .....    | 3   |
| Home Econ. (53) .....        | 3 | Home Econ. (54) ..... | 3   |
| Home Econ. (61) .....        | 3 | Home Econ. (62) ..... | 3   |
| Economics (15) .....         | 3 | Economics (18) .....  | 3   |
| For. Lang. or Electives..... | 3 | Chemistry (68) .....  | 3   |
|                              |   | Electives .....       | 0-2 |

## THIRD AND FOURTH YEARS

|   |   |   |     |
|---|---|---|-----|
| Physics (61) .....                      | 3 | Electives .....                         | 0-9 |
| Home Econ. (to complete<br>major) ..... |   | Biology (92) .....                      | 3   |
| English .....                           | 3 | Home Econ. (to complete<br>major) ..... |     |
|   |   | Electives .....                         | 0-9 |

## 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.

## 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 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 desirable college work should accord with the following curriculum:

#### Required Courses:

|                                | Semester | Hours |
|--------------------------------|----------|-------|
| Chemistry .....                | .....    | 12    |
| Physics .....                  | .....    | 8     |
| Biology .....                  | .....    | 8     |
| English .....                  | .....    | 6     |
| Other non-science courses..... | .....    | 18    |

#### Courses Advised:

|  |      |
|--|------|
| French or German.....                                | 6-12 |
| Latin .....  | 6-12 |
| Advanced Biology.....                                | 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, Greek.

#### SUGGESTIONS REGARDING INDIVIDUAL SUBJECTS

**Chemistry.**—Twelve 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.**—Eight 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.**—Eight 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.**—The usual 6 semester hours of college composition are required, and 3 hours in some advanced course.

**Non-Science Courses.**—Of the 60 semester hours required as the measurement of two years of college work, at least 18 including the 6 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

The College of Engineering offers standard courses in chemical, civil, electrical, mechanical, and geological engineering and the first two years of standard courses in mining and sanitary engineering.

The entrance requirements and requirements for graduation are equivalent to those of the engineering colleges of the leading state universities.

The curricula have been designed with, among others, the following two objectives in view: (1) To make the training during the first two years as broad and fundamental as possible, emphasizing subjects such as mathematics, physics, mechanics, economics, etc., which are common to all branches of engineering thus leaving the specialization for the last two years. (2) To include as many cultural subjects as possible commensurate with the necessity of keeping the technical training at a high standard, the purpose being to widen the mental horizon of the individual thus preparing him the better for his life as a social being.

It is also the purpose through scheduled work in adequately equipped laboratories, frequent inspection trips to the industries of the state and contact in the class room with members of the faculty all of whom have had, besides their training as teachers considerable experience in the industries, to develop the practical and application side of the work in conjunction with the more theoretical part of the curricula.

### PROGRAM OF STUDIES

Each student will enroll in courses earning not less than 15 nor more than 20 credit hours, except when permitted to do so by proper authority. Permission to take less than fifteen hours may be granted by the Dean. Permission to enroll in more than twenty hours must be obtained from both the Committee on Admission and Student Standing and the Dean, petition for same being presented in writing. The curricula include besides the prescribed courses certain hours of technical and non-technical electives, that the student may have some freedom to follow those subjects in which he is particularly interested.

## REQUIREMENTS FOR GRADUATION

Candidates for the Degree of Bachelor of Science in any of the departments of the College of Engineering must complete a minimum of 144 credit hours including all prescribed courses in their respective curricula.

Electives where prescribed are to be chosen with the advice and consent of the head of the department concerned and the Dean.

Students required to take English 11 because of a deficiency in preparation as determined by a preliminary examination must do so in addition to the regular courses English 21, 22, and 61.

Students deficient in advanced algebra will make up this deficiency their first semester by taking Math. 13 instead of Math. 15 as scheduled, only three hours of the five being given credit towards graduation.

Those deficient in Solid Geometry will make up this deficiency during their second semester by including in their schedule Math. 2. Credit thus earned is not counted toward graduation.

Those entering the College of Engineering without high school physics must take Physics 1 and 2 prior to entering Physics 51 and 52 the Sophomore year. Credit thus earned is not counted toward graduation.

## INSPECTION TRIPS

The location of the College of Engineering in Albuquerque is particularly advantageous as Albuquerque is the industrial, financial, geographic, and railroad center of the State, and therefore offers a variety of industrial plants in all of which our students are welcome.

The most important of these are the large shops of the Santa Fe Railroad System. Arrangements have been made with the officials of the railroad whereby the various classes are not only permitted to inspect the equipment in the shops but are allowed to study, as a part of their laboratory work, methods and procedure in the making of tests on boilers, engines, and the various types of machinery.

Other places and objects of interest within a few minutes travel of the University and visited each year by the students are two modern electrical generating plants, a gas plant, two large saw mills and planing mills, modern office building elevator installations and heating systems, also a telephone exchange including one of the transcontinental repeater stations, a large Western Union Station equipped with the printing telegraph, and modern city water and sewerage disposal systems. It may also be worthy of note that the city of Albuquerque is near the center of the new Middle Rio Grande Conservancy District in which \$15,000,000 is being spent on irrigation, drainage and flood control, no better examples of which may be found elsewhere.

Each year in addition to these short trips just mentioned the Junior and Senior Classes make an eight-day inspection trip through the state and to neighboring points of interest during the first week in May, traveling from 1,000 to 1,200 miles by automobile. The men live under the usual conditions encountered by engineers in field work—sleeping in the open and preparing their own food carried and issued by the commissary.

The entire expense of the rather exceptionally long trip averages from twenty-five to thirty dollars per student, a very small expenditure compared with those made by the students of some of the middle western colleges making such trips.

Three standard trips have been developed, viz., one to the southern part of the State including El Paso with its cement plant, smelter, etc., and the mines of the southwestern part of the State; one to the northeast, taking in the large steel mill at Pueblo, Colorado, and one to the northwest including Durango with its smelter and Mesa Verde National Park. Manufacturing industries, mining, including the oil fields and the geology of the country are studied. The three trips are made in rotation so that by the time of graduation each student has seen and become acquainted with a large part of his state.



## LABORATORIES AND EQUIPMENT

## CHEMICAL LABORATORIES

The chemical laboratories of the University of New Mexico are equipped for teaching the standard undergraduate courses in chemistry. They occupy the entire south end of the chemistry building, half of the north end, and include an open air laboratory in the patio of the building, and have a combined capacity of handling 240 students. The chemistry building also contains a chemical library, balance rooms, stock rooms, and preparation rooms, as well as a large lecture room.

## CEMENT TESTING LABORATORY

The cement testing laboratory is equipped for the making of standard tests upon cement and concrete aggregates. The equipment consists of a Fairbanks cement testing machine, Vicat apparatus, Gilmore needles, specific gravity flasks, a set of standard sieves and sifting machine.

## HYDRAULIC LABORATORY

The hydraulic laboratory is equipped to study the flow of water in open channels, through pipe and orifices and over various types of weirs as applied to course in theoretical hydraulics and courses in water supply, sewage disposal and irrigation. The equipment consists of a constant head storage tank supplied with water by two centrifugal pumps, an open channel with stilling pool at end, a weir box equipped with adjustable openings, one inch and a half to six inch pipe fitted with piezometers, gauges and Venturi meter; fire hose and nozzles, hydraulic ram, orifices, pitometer and house meters.

## MATERIALS TESTING LABORATORY

The materials testing laboratory for the determination of the strength of engineering materials of construction is equipped with a Riehle universal testing machine of 100,000 pounds capacity. Tension tests are made upon timber, iron and steel, compression tests on concrete, timber, concrete and masonry, bearing tests upon rivets and bolts, column tests

upon timber and beams. A Berry strain gauge with an Ames dial is used to measure deformations on the above materials to ten-thousandths of an inch.

#### SURVEYING LABORATORY

The equipment for the surveying laboratory consists of one Lietz precise engineers transit, graduated to 20 seconds of arc, equipped with a Saegmueller solar attachment, one Buff engineers transit, one Berger engineers transit, two Gurley light mountain transits, each equipped with a Burt solar attachment and one sextant, for differential leveling, one Lietz dumpy level, one K & E wye level, one Gurley wye level, one Lietz wye level and four Locke hand levels; for plane table and topographic surveying, one Lietz alidade with Beaman arc and one Lietz alidade with vertical arc, two plane tables, one Johnson head tripod and one tangent screw tripod, together with the accessories for the above equipment, level rods, stadia boards, range poles, slide rules, planimeters, compass and level tubes, cloth and steel tapes and drafting equipment.

#### ELECTRICAL ENGINEERING

The laboratory is equipped adequately for all standard experimental work in electrical measurements and direct and alternating current machinery.

There are twenty units of alternating current equipment aggregating 130 K W and twelve units of direct current equipment aggregating 50 K W. This equipment includes A. C. and D. C. motors, generators, distribution transformers, a welding transformer, constant current transformer, a 40,000 volt testing transformer, an oscillograph, a 15 KW dynamometer, storage battery and a synchronous converter besides an adequate number of compensators, D. C. motor starters, field rheostats, slide wire resistances and loading devices. Forty-five instruments are available for measurement of power voltage, current, power energy, frequency, and power factor.

#### GEOLOGICAL ENGINEERING

The geology laboratory is housed in the Science Hall. It is equipped with facilities for determinative mineralogy as

well as for work in physical and historical geology. There are sets of minerals, rocks, and fossils, well selected and ample for illustrating the classes and types usually treated in text books and material for the individual student to examine. The museum contains numerous specimens of popular interest as well as of technical importance. The department has equipment for field work in geology, about 800 slides on geologic and geographic subjects, and a projecting lantern. The geologic library includes the publications of the U. S. Geological Survey and the bulletins of the geological surveys of the various states. In the library reading room may be found current literature and the leading geologic publications.

### COURSES OF STUDY FOR THE FRESHMAN YEAR COMMON TO ALL CURRICULA

**Note:**—In tables following the figures in the first of the columns to the right indicates the number of hours per week in class or lecture room, those in the second column indicate the number of hours per week in laboratory or drawing room, and those in the third column indicate the credit hours per semester.

#### First Semester

|          |                     |   |   |   |
|----------|---------------------|---|---|---|
| Chem. 1  | Inorganic .....     | 3 | 3 | 4 |
| Eng. 21  | Rhetoric .....      | 3 | 0 | 3 |
| Math. 15 | Algebra .....       | 3 | 0 | 3 |
| E. E. 1  | Eng. Lectures ..... | 2 | 0 | 2 |
| P. M. 13 | Drawing .....       | 0 | 9 | 3 |
| Hyg. 1   | Hygiene Lect. ....  | 2 | 0 | 2 |
| P. E. 1  | Physical Educ.      |   |   |   |

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#### Second Semester

|          |                     |   |   |   |
|----------|---------------------|---|---|---|
| Chem 2   | Inorganic .....     | 3 | 3 | 4 |
| Eng. 22  | Rhetoric .....      | 3 | 0 | 3 |
| Math. 16 | Trigonometry .....  | 3 | 0 | 3 |
| E. E. 2  | Eng. Lectures ..... | 2 | 0 | 2 |
| P. M. 16 | Desc. Geom. ....    | 0 | 6 | 2 |
| P. M. 3  | Pattern Shop .....  | 0 | 6 | 2 |
| Eng. 62  | Eng'g English ..... | 2 | 0 | 2 |
| P. E. 2  | Physical Educ.      |   |   |   |

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

For work of first year see page 59.

## SECOND YEAR

### First Semester

|              |                    |     |    |       |
|--------------|--------------------|-----|----|-------|
| Chem. 51     | Qual. Anal. ....   | 0   | 10 | 5     |
| Math. 21     | Analyt. Geom. .... | 3   | 0  | 3     |
| Math. 51     | Calculus ....      | 3   | 0  | 3     |
| Phys. 51, 53 | Gen. Physics ....  | 4   | 3  | 5     |
| Elective     | Lang. or Econ .... | 3-5 | 0  | 3-5   |
|              |                    |     |    | <hr/> |
|              |                    |     |    | 19-21 |

### Second Semester

|              |                    |     |   |       |
|--------------|--------------------|-----|---|-------|
| Chem. 52     | Quan. Anal. ....   | 0   | 6 | 3     |
| Math. 22     | Analyt. Geom. .... | 2   | 0 | 2     |
| Math. 52     | Calculus ....      | 4   | 0 | 4     |
| Phys. 52, 54 | Gen. Physics ....  | 4   | 3 | 5     |
| P. M. 6      | Machine Shop ....  | 0   | 6 | 2     |
| Elective     | Lang. or Econ .... | 3-5 | 0 | 3-5   |
|              |                    |     |   | <hr/> |
|              |                    |     |   | 19-21 |

## THIRD YEAR

### First Semester

|                |                            |   |   |       |
|----------------|----------------------------|---|---|-------|
| Chem. 52       | Quan. Anal. (cont'd) ..... | 0 | 4 | 2     |
| Chem. 61       | Organic .....              | 3 | 0 | 3     |
| C. E. 105      | Appl. Mechanics .....      | 4 | 0 | 4     |
| M. E. 101      | Heat Power .....           | 3 | 0 | 3     |
| E. E. 105, 107 | P. & P. of E. E. ....      | 2 | 3 | 3     |
| Elec.          | As elected 2nd year .....  | 3 | 0 | 3     |
|                |                            |   |   | <hr/> |
|                |                            |   |   | 18    |

### Second Semester

|                |                           |   |   |       |
|----------------|---------------------------|---|---|-------|
| Chem. 62       | Organic .....             | 0 | 6 | 3     |
| Chem. 101      | Quan. Anal. ....          | 0 | 4 | 4     |
| C. E. 108, 112 | Str. of Materials .....   | 3 | 0 | 3     |
| M. E. 102      | Heat Power .....          | 3 | 0 | 3     |
| E. E. 106, 108 | P. & P. of E. E. ....     | 2 | 3 | 3     |
| Elec.          | As elected 2nd year ..... | 3 | 0 | 3     |
|                |                           |   |   | <hr/> |
|                |                           |   |   | 19    |

## FOURTH YEAR

## First Semester

|              |                       |   |    |          |
|--------------|-----------------------|---|----|----------|
| Chem. 112    | Industrial .....      | 2 | 0  | 2        |
| Chem. 151    | Adv. Quan. Anal. .... | 0 | 10 | 5        |
| C. E. 51, 53 | Elem. Surveying ..... | 2 | 6  | 4        |
| Eng. 61      | Adv. Comp. ....       | 3 | 0  | 3        |
| Electives    | .....                 |   |    | 4        |
|              |                       |   |    | <hr/> 18 |

## Second Semester

|                |                             |   |   |          |
|----------------|-----------------------------|---|---|----------|
| Chem. 110      | Physical .....              | 5 | 0 | 5        |
| Chem. 113      | Metallurgy .....            | 2 | 0 | 2        |
| C. E. 110, 114 | Hydraulics .....            | 2 | 3 | 3        |
| C. E. 52, 54   | Topographic Surveying ..... | 1 | 6 | 3        |
| Electives      | .....                       |   |   | 6        |
|                |                             |   |   | <hr/> 19 |

Total.....147-151

# CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

For work of first year see page 59.

## SECOND YEAR

### First Semester

|                |                     |   |   |          |
|----------------|---------------------|---|---|----------|
| C. E. 51, 53   | Elem. Surv. ....    | 2 | 6 | 4        |
| Math. 22       | Anal. Geom. ....    | 3 | 0 | 3        |
| Math. 51       | Calculus ....       | 3 | 0 | 3        |
| Physics 51, 53 | Gen. Physics ....   | 4 | 3 | 5        |
| Econ. 15       | Prin. of Econ. .... | 3 | 0 | 3        |
|                |                     |   |   | <hr/> 18 |

### Second Semester

|                |                   |   |   |          |
|----------------|-------------------|---|---|----------|
| C. E. 52, 54   | Top. Surv. ....   | 1 | 6 | 3        |
| Math. 22       | Anal. Geom. ....  | 2 | 0 | 2        |
| Math. 52       | Calculus ....     | 4 | 0 | 4        |
| Physics 52, 54 | Gen. Physics .... | 4 | 3 | 5        |
| P. M. 6        | Machine Shop .... | 0 | 6 | 2        |
| Econ. 18       | .....             | 3 | 0 | 3        |
|                |                   |   |   | <hr/> 19 |

## THIRD YEAR

### First Semester

|                |                       |   |   |          |
|----------------|-----------------------|---|---|----------|
| C. E. 101, 103 | R. R. Eng. ....       | 3 | 6 | 5        |
| C. E. 105      | App. Mechanics ....   | 4 | 0 | 4        |
| M. E. 101      | Heat Power ....       | 3 | 0 | 3        |
| E. E. 105, 107 | P. & P. of E. E. .... | 2 | 3 | 3        |
| Elective       | .....                 |   |   | 3        |
|                |                       |   |   | <hr/> 18 |

### Second Semester

|                |                       |   |   |          |
|----------------|-----------------------|---|---|----------|
| C. E. 108, 112 | Str. of Mat. ....     | 3 | 3 | 4        |
| C. E. 110, 114 | Hydraulics ....       | 2 | 3 | 3        |
| C. E. 156      | Highway Eng. ....     | 3 | 0 | 3        |
| M. E. 102, 104 | Heat Power ....       | 3 | 3 | 4        |
| E. E. 106, 108 | P. & P. of E. E. .... | 2 | 3 | 3        |
| Elective       | .....                 |   |   | 3        |
|                |                       |   |   | <hr/> 20 |

## FOURTH YEAR

## First Semester

|           |                     |   |   |          |
|-----------|---------------------|---|---|----------|
| C. E. 159 | Th. of Struct. .... | 2 | 6 | 4        |
| C. E. 161 | Water Supply .....  | 3 | 0 | 3        |
| C. E. 167 | Rein. Concr. ....   | 3 | 0 | 3        |
| Eng. 61   | Adv. Comp. ....     | 3 | 0 | 3        |
| Geol. 1   | Phys. Geol. ....    | 3 | 3 | 4        |
| Biol.     | Sanitary .....      | 1 | 1 | 2        |
|           |                     |   |   | <hr/> 19 |

## Second Semester

|           |                    |   |   |          |
|-----------|--------------------|---|---|----------|
| C. E. 152 | Graph. Stat. ....  | 1 | 6 | 3        |
| C. E. 164 | Sewerage .....     | 3 | 0 | 3        |
| C. E. 166 | San. Design .....  | 0 | 3 | 1        |
| C. E. 168 | Masonry .....      | 2 | 0 | 2        |
| C. E. 170 | Cont. & Spec. .... | 2 | 0 | 2        |
| C. E. 172 | Irrigation .....   | 2 | 0 | 2        |
| C. E. 182 | Seminar .....      | 2 | 0 | 2        |
| C. E. 200 | Thesis .....       | 0 | 0 | 3        |
|           |                    |   |   | <hr/> 18 |

Total ..... 147

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

For work of first year see page 59.

## SECOND YEAR

### First Semester

|              |                       |   |   |          |
|--------------|-----------------------|---|---|----------|
| Math. 21     | Analyt. Geom. ....    | 3 | 0 | 3        |
| Math. 51     | Calculus .....        | 3 | 0 | 3        |
| Phys. 51, 53 | General Physics ..... | 4 | 3 | 5        |
| C. E. 51, 53 | Elem. Surveying ..... | 2 | 6 | 4        |
| Econ. 15     | Prin. of Econ. ....   | 3 | 0 | 3        |
|              |                       |   |   | <hr/> 18 |

### Second Semester

|              |                           |   |   |          |
|--------------|---------------------------|---|---|----------|
| Math. 22     | Analyt. Geom. ....        | 2 | 0 | 2        |
| Math. 52     | Calculus .....            | 4 | 0 | 4        |
| Phys. 52, 54 | General Physics .....     | 4 | 3 | 5        |
| Physics 111  | Elect. & Magnetism .....  | 2 | 0 | 2        |
| Physics 113  | Elect. Measurements ..... | 0 | 6 | 2        |
| Econ. 18     | Prin. of Econ. ....       | 3 | 0 | 3        |
|              |                           |   |   | <hr/> 18 |

## THIRD YEAR

### First Semester

|                |                        |   |   |          |
|----------------|------------------------|---|---|----------|
| E. E. 101, 111 | Direct Cur. Mach. .... | 4 | 6 | 6        |
| C. E. 105      | App. Mechanics .....   | 4 | 0 | 4        |
| P. M. 6        | Machine Shop .....     | 0 | 6 | 2        |
| M. E. 101      | Heat Power .....       | 3 | 0 | 3        |
| Elective       | .....                  | 3 | 0 | 3        |
|                |                        |   |   | <hr/> 18 |

### Second Semester

|                |                         |   |   |          |
|----------------|-------------------------|---|---|----------|
| E. E. 102, 112 | A. C. Theory .....      | 4 | 6 | 6        |
| C. E. 108, 112 | Str. of Materials ..... | 3 | 3 | 4        |
| C. E. 110, 114 | Hydraulics .....        | 2 | 3 | 3        |
| M. E. 102, 104 | Heat Power .....        | 3 | 3 | 4        |
| Elective       | .....                   | 3 | 0 | 3        |
|                |                         |   |   | <hr/> 20 |



## FOURTH YEAR

## First Semester

|                |                         |   |   |       |
|----------------|-------------------------|---|---|-------|
| E. E. 151, 155 | A. C. Machinery.....    | 4 | 6 | 6     |
| E. E. 161      | Electrical Design ..... | 1 | 6 | 3     |
| E. E. 194      | Communications .....    | 3 | 0 | 3     |
| Geol. 1        | Phys. Geol. ....        | 3 | 3 | 4     |
| Eng. 61        | Adv. Comp. ....         | 3 | 0 | 3     |
|                |                         |   |   | <hr/> |
|                |                         |   |   | 19    |

## Second Semester

|                |                          |   |   |       |
|----------------|--------------------------|---|---|-------|
| E. E. 152, 156 | A. C. Machinery.....     | 4 | 6 | 6     |
| E. E. 162      | Elec. Design .....       | 1 | 6 | 3     |
| E. E. 182      | Seminar .....            | 2 | 0 | 2     |
| E. E. 192      | Power Plant Eng. ....    | 3 | 0 | 3     |
| E. E. 196      | Transmission .....       | 3 | 0 | 3     |
| C. E. 170      | Contracts & Specif. .... | 2 | 0 | 2     |
|                |                          |   |   | <hr/> |
|                |                          |   |   | 19    |
|                | Total .....              |   |   | <hr/> |
|                |                          |   |   | 147   |

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

For work of first year see page 59.

## SECOND YEAR

### First Semester

|              |                      |     |   |       |
|--------------|----------------------|-----|---|-------|
| Geol. 1      | Physical Geol. ....  | 3   | 3 | 4     |
| Math. 21     | Analyt. Geom. ....   | 3   | 0 | 3     |
| Phys. 51, 53 | General Physics .... | 4   | 3 | 5     |
| C. E. 51, 53 | Elem. Surveying .... | 2   | 6 | 4     |
| Elective     | Econ. or Lang. ....  | 3-5 | 0 | 3-5   |
|              |                      |     |   | 19-21 |

### Second Semester

|              |                        |     |   |       |
|--------------|------------------------|-----|---|-------|
| Geol. 2      | Historical Geol. ....  | 3   | 3 | 4     |
| Math. 22     | Analyt. Geom. ....     | 2   | 0 | 2     |
| Phys. 52, 54 | General Physics ....   | 3   | 0 | 3     |
| C. E. 52, 54 | Top. Survey ....       | 1   | 6 | 3     |
| Elective     | Econ. or Language .... | 3-5 | 0 | 3-5   |
|              |                        |     |   | 17-19 |

## THIRD YEAR

### First Semester

|                |                       |   |   |    |
|----------------|-----------------------|---|---|----|
| Geol. 51       | Mineralogy ....       | 1 | 3 | 2  |
| Geol. 101      | Econ. Geol. ....      | 3 | 0 | 3  |
| Math. 51       | Calculus ....         | 3 | 0 | 3  |
| E. E. 105, 107 | P. & P. of E. E. .... | 2 | 3 | 3  |
| M. E. 101      | Heat Power ....       | 3 | 0 | 3  |
| Elective       | .....                 |   |   | 3  |
|                |                       |   |   | 17 |

### Second Semester

|                |                       |   |   |    |
|----------------|-----------------------|---|---|----|
| Geol. 52       | Mineralogy ....       | 0 | 6 | 2  |
| Geol. 102      | Econ. Geology ....    | 3 | 0 | 3  |
| Math. 52       | Calculus ....         | 4 | 0 | 4  |
| M. E. 102      | Heat Power ....       | 3 | 0 | 3  |
| E. E. 106, 108 | P. & P. of E. E. .... | 2 | 3 | 3  |
| Elective       | .....                 |   |   | 3  |
|                |                       |   |   | 18 |

## FOURTH YEAR

## First Semester

|           |                      |   |    |       |
|-----------|----------------------|---|----|-------|
| Geol. 103 | Paleontology .....   | 1 | 3  | 2     |
| Geol. 105 | N. M. Geol. ....     | 0 | 6  | 2     |
| Chem. 51  | Quan. Analysis ..... | 0 | 10 | 5     |
| Chem. 112 | Indus. Chem. ....    | 2 | 0  | 2     |
| Eng. 61   | Adv. Comp. ....      | 3 | 0  | 3     |
| C. E. 105 | App. Mechanics ..... | 4 | 0  | 4     |
|           |                      |   |    | <hr/> |
|           |                      |   |    | 18    |

## Second Semester

|                |                         |   |   |         |
|----------------|-------------------------|---|---|---------|
| Geol. 104      | Petrology .....         | 1 | 3 | 2       |
| Geol. 106      | Geol. Mapping .....     | 0 | 6 | 2       |
| Chem. 52       | Quan. Analysis .....    | 0 | 8 | 4       |
| Chem. 110      | Physical Chem. ....     | 5 | 0 | 5       |
| C. E. 108, 112 | Str. of Materials ..... | 3 | 3 | 4       |
| C. E. 110, 114 | Hydraulics .....        | 2 | 3 | 3       |
|                |                         |   |   | <hr/>   |
|                |                         |   |   | 20      |
|                |                         |   |   | <hr/>   |
|                | Total .....             |   |   | 144-148 |

# CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

For work of first year see page 59.

## SECOND YEAR

### First Semester

|              |                       |   |   |          |
|--------------|-----------------------|---|---|----------|
| Math. 21     | Analyt. Geom. ....    | 3 | 0 | 3        |
| Math. 51     | Calculus .....        | 3 | 0 | 3        |
| Phys. 51, 53 | Gen. Physics .....    | 4 | 3 | 5        |
| C. E. 51, 53 | Elem. Surveying ..... | 2 | 6 | 4        |
| Econ. 15     | Prin. of Econ. ....   | 3 | 0 | 3        |
|              |                       |   |   | <hr/> 18 |

### Second Semester

|              |                     |   |   |          |
|--------------|---------------------|---|---|----------|
| Math. 22     | Analyt. Geom. ....  | 2 | 0 | 2        |
| Math. 52     | Calculus .....      | 4 | 0 | 4        |
| Phys. 52, 54 | Gen. Physics .....  | 4 | 3 | 5        |
| P. M. 6      | Machine Shop .....  | 0 | 6 | 2        |
| M. E. 52     | Materials .....     | 3 | 0 | 3        |
| Econ. 18     | Prin. of Econ. .... | 3 | 0 | 3        |
|              |                     |   |   | <hr/> 19 |

## THIRD YEAR

### First Semester

|                |                       |   |   |          |
|----------------|-----------------------|---|---|----------|
| M. E. 101      | Thermodynamics .....  | 3 | 0 | 3        |
| M. E. 121      | Seminar .....         | 1 | 0 | 1        |
| E. E. 105, 107 | P. & P. of E. E. .... | 2 | 3 | 3        |
| C. E. 105      | App. Mechanics .....  | 4 | 0 | 4        |
| English 61     | Adv. Comp. ....       | 3 | 0 | 3        |
| Elective       | .....                 |   |   | 3        |
|                |                       |   |   | <hr/> 17 |

### Second Semester

|                |                         |   |   |          |
|----------------|-------------------------|---|---|----------|
| M. E. 102      | Thermodynamics .....    | 3 | 0 | 3        |
| M. E. 112      | Mechanism .....         | 2 | 6 | 4        |
| M. E. 122      | Seminar .....           | 1 | 0 | 1        |
| E. E. 106, 108 | P. & P. of E. E. ....   | 2 | 3 | 3        |
| C. E. 108, 112 | Str. of Materials ..... | 3 | 3 | 4        |
| Elective       | .....                   |   |   | 3        |
|                |                         |   |   | <hr/> 18 |

## FOURTH YEAR

## First Semester

|           |                       |   |   |          |
|-----------|-----------------------|---|---|----------|
| M. E. 103 | Power Plants .....    | 3 | 0 | 3        |
| M. E. 105 | Mech. Eng. Lab. ....  | 1 | 6 | 3        |
| M. E. 113 | Machine Design .....  | 3 | 4 | 5        |
| M. E. 123 | Seminar .....         | 1 | 0 | 1        |
| M. E. 131 | Ind. Management ..... | 3 | 0 | 3        |
| M. E. 133 | Tech. Option .....    | 3 | 0 | 3        |
|           |                       |   |   | <hr/> 18 |

## Second Semester

|                |                          |   |   |          |
|----------------|--------------------------|---|---|----------|
| M. E. 107      | Int. Comb. Engines ..... | 3 | 0 | 3        |
| M. E. 114      | Machine Design .....     | 3 | 3 | 4        |
| M. E. 116      | Plant Design .....       | 0 | 6 | 2        |
| M. E. 124      | Seminar .....            | 1 | 0 | 1        |
| M. E. 134      | Tech. Option .....       | 3 | 0 | 3        |
| C. E. 110, 114 | Hydraulics .....         | 2 | 3 | 3        |
| C. E. 170      | Con. & Spec. ....        | 3 | 0 | 3        |
|                |                          |   |   | <hr/> 19 |

Total.....144

TECHNICAL OPTIONS: (Only one course to be given each semester)

Refrigeration.

Heating and Ventilation.

Aeronautical Engineering (two semesters).

## EXTENSION DIVISION

The University, in response to numerous requests, has continued the Extension Division. The instruction in this Division has been placed in two groups. One group includes that instruction given in classes off the campus and the other group includes instruction given by correspondence. Both kinds of instruction enable the University to serve students who would, otherwise, find it difficult to continue their education by attending regular courses on the campus. The fees in this Division vary depending upon the course taken.

At the present time, Dr. Tireman is conducting a class in Education 121c at Socorro, and Mr. Carl N. Taylor is conducting a class in New Mexico History and Civics at Farmington.

The courses offered by correspondence are as follows:

|             |      |                                     |                          |
|-------------|------|-------------------------------------|--------------------------|
| Chemistry   | 51e  | Qualitative Analysis.....           | John D. Clark, Ph.D.     |
| Economics   | 65e  | Business Letter Writing,            | Walter E. Roloff, Ph. D. |
| English     | 21e  | Composition and Rhetoric.....       | C. V. Wicker, M. A.      |
| Education   | 149e | Administration of Public Education, |                          |
|             |      |                                     | S. P. Nanninga, Ph. D.   |
| Education   | 51e  | History of Education in Europe,     |                          |
|             |      |                                     | L. S. Tireman, Ph. D.    |
| History     | 21e  | European History and                |                          |
| History     | 101e | History of U. S.....                | Charles F. Coan, Ph. D.  |
| Mathematics | 16e  | Plane Trigonometry.                 |                          |
| Mathematics | 23e  | Plane Analytic Geometry.            |                          |
| Mathematics | 53e  | Differential Calculus.....          | C. A. Barnhart, M. A.    |
| Psychology  | 54e  | Educational Psychology.             |                          |
| Psychology  | 113e | Intelligence Tests .....            | B. F. Haight, Ph. D.     |

Inquiries in connection with this instruction should be addressed to The Extension Division of the University.

# THE GRADUATE SCHOOL

## HISTORY AND ORGANIZATION

Previous to 1919, graduate work at the University of New Mexico was in charge of the Committee on Graduate Study. In 1919 the Graduate School was established and a dean appointed. This organization continued until 1925, when the name was changed to the Graduate Division, and the supervision of the work was entrusted to a committee known as the Committee on Graduate Instruction. In January, 1927, the organization was again changed by the appointment of a director of the Graduate Division. In December, 1927, the word "School" was substituted for "Division." The organization now consists of the Director of the Graduate School, the Committee on Graduate Instruction, and the Graduate Faculty.

The Committee on Graduate Instruction consists of the Director of the Graduate School as chairman, and four members appointed by the President of the University. The Graduate Faculty consists of all members of the University Faculty who offer instruction in approved courses of graduate grade.

## ADMISSION

Graduates of the University of New Mexico are admitted to the Graduate School upon application.

Graduates of other approved institutions maintaining standards equal and similar to those of the University of New Mexico are admitted upon presentation of a satisfactory transcript of previous academic record.

A graduate of an institution not approved may be admitted to the Graduate School, provided that his college course, when checked, entitles him to not less than one hundred and twenty-four semester hours of acceptable quality.

A student in one of the undergraduate colleges who lacks not more than six semester hours of completing the requirements for the bachelor's degree may be enrolled in the Graduate School for enough work to complete his schedule.

A graduate who chooses courses exclusively of undergraduate rank will not be enrolled in the Graduate School. His standing will be that of a special student in one of the undergraduate colleges.

Students are admitted to the Graduate School by the Director, to whom application for admission should be addressed.

Admission to the Graduate School is not to be considered as equivalent to candidacy for a degree. A graduate student who wishes to become a candidate for a degree must make special application as provided for under "admission to candidacy."

#### REGISTRATION AND ENROLLMENT

Students who have been admitted to the Graduate School by the Director supply the Registrar with the data called for on the census card and receive enrollment cards.

Students planning to become candidates for advanced degrees will present the enrollment cards to the Director who will offer advice in the selection of majors and minors.

Students planning to become candidates for advanced degrees will select a major study in which they will do approximately two-thirds of their work, and a minor study in which they will do the remainder.

After students have selected their major and minor studies they will enroll with their major professors first, and then with the minor professor.

After students have enrolled with their major and minor professors, they will present their cards to the Director for final approval.

Students who do not expect to become candidates for advanced degrees may enroll with the Director for any work for which they have the necessary preparation.

Graduate students who expect to become candidates for advanced degrees should limit their enrollment to fifteen hours per semester.

In general, enrollment for credit is not accepted after



Saturday of the second week of each semester or summer session.

Graduate students registering after Wednesday of the first week are subject to the late registration fee of two dollars unless excused by the Director.

#### AMOUNT AND DISTRIBUTION OF WORK:

##### MAJORS AND MINORS

A major and a minor subject of study shall be chosen by each candidate for the master of arts degree, in conference with the Director of the Graduate School. In special cases, a second minor may be permitted. The choice of the minor subject must be approved by the professor in charge of the major subject.

Thirty semester hours of graduate work are required for the master of arts degree. Approximately eighteen hours should be in the major study and twelve in the minor study. The eighteen hours in the major study include the thesis which shall not represent more than six semester hours.

Undergraduate preparation for a major or a minor shall in every case be determined by the professor concerned. In general, the amount shall be the equivalent of that required in this University. For further information on undergraduate requirements see "Departments of Instruction."

#### CHARACTER AND QUALITY OF GRADUATE WORK

Although the amount of work for the advanced degree is specified for convenience in terms of credit hours, this does not mean that simply further time spent in undergraduate class exercises is all that is required to earn the degree. The graduate student is expected to develop initiative, power of thought, and research in his major field.

A graduate student may count no course with a grade below C, and he must have an average of B in both major and minor subjects.

A graduate student must receive an average of B in the work of any semester or summer session to be eligible for re-registration.

## TUITION AND FEES

Graduate Students pay fees as follows:

|   |         |
|---|---------|
| Matriculation fee (paid but once).....            | \$ 5.00 |
| Tuition, resident students, per semester.....     | 10.00   |
| Tuition, non-resident students, per semester..... | 25.00   |
| Guarantee deposit, not less than.....             | 10.00   |

## RESIDENCE AND ADVANCED STANDING

The Committee on Graduate Instruction may allow credit for work done in other institutions, but in no case may advanced standing reduce the residence requirement for the master of arts degree to less than one year. A year's residence means two full semesters unless otherwise specified.

A student who is deficient in his general training or in the specific preparation outlined by each department as prerequisite to advanced work must expect to take a longer time than the specified minimum.

For the master of arts degree, not more than nine semester hours will be allowed for work done elsewhere, and this only after the student has done satisfactory work in residence for one semester.

## GRADUATE WORK IN THE SUMMER SESSION

Except for differences in fees and residence, the requirements for the summer session are the same as in the regular year. The summer session offers nearly the same opportunities in most departments as are offered in the regular year, and in some departments the opportunities are greater than at other times.

The residence requirement for the master of arts degree may be met by attendance for four full summer sessions of eight weeks each or one semester and two summer sessions.

A student wishing to work towards a master of arts degree in summer sessions should apply for admission to the Graduate School, if possible, before the beginning of his first summer session.

## GRADUATE WORK BY EXTENSION

A graduate student who has done satisfactory work in residence may take not to exceed seven semester hours by extension, provided the consent of the Director and of the department concerned has been obtained. In no case, however, may work done by extension reduce the residence to less than two full semesters, or one summer session and one semester, or three summer sessions.

The requirement of satisfactory work in residence before graduate work by extension is permitted, may be waived, with the consent of the department involved, and with the approval of the Committee on Graduate Instruction.

A student who is deficient in his preparation for graduate work may remove such deficiency, when possible, by extension work without the residence requirement.

## DEGREES OFFERED

The Graduate School of the University of New Mexico offers only the degree of master of arts. A properly qualified student holding either the degree of bachelor of arts or the degree of bachelor of science may proceed to the master of arts degree.

## ADMISSION TO CANDIDACY

A graduate student who wishes to become a candidate for the master of arts degree should make formal application before the beginning of his third summer session. This application must be on a blank form obtained from the Director, and must be signed by the professors in charge of the major and minor subjects, certifying that the candidate's work is satisfactory and approving the applicant.

A graduate student who wishes to become a candidate for the master of arts degree should file with the Director of the Graduate School two additional blank forms obtained from the Director. One should contain all the graduate courses completed, and those to be taken in the major field, and should be approved by the major professor. The other should contain all the graduate courses completed and those

to be taken in the minor field, and should be approved by the minor professor.

#### THESES AND EXAMINATIONS

As a part of his major work, the candidate must submit to the Committee on Graduate Instruction a thesis which shall give evidence of sound method and of capacity for research. This thesis must be approved by the major professor and by the Committee on Graduate Instruction.

The candidate must pass a final examination, oral, written, or both, conducted by the professors in charge of the major and minor subjects, under the direction of the Committee on Graduate Instruction.

#### COURSES OF STUDY

The courses of study in the University are divided into four groups as follows:

First, those numbered 1-50 are normally open to freshmen.

Second, those numbered 51-100 are normally open to sophomores.

Third, those numbered 101-200 are open to advanced undergraduate and graduate students.

Fourth, those numbered above 200 are primarily for graduate students.

Not all the courses listed are available at any one time. Many of them are given in alternate years. Other courses than those scheduled may be arranged to meet the special needs of students of ability.

## COURSES IN THE DEPARTMENTS OF INSTRUCTION

Courses numbered 1-50 are normally open to Freshmen, 51-100 normally to Sophomores, courses numbered above 100 are open to advanced undergraduate and graduate students, and courses numbered above 200 are open primarily to graduate students.

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

### DEPARTMENT OF ARCHAEOLOGY AND ANTHROPOLOGY

EDGAR L. HEWETT, D. Sc., LL. D., Professor

**1. General Anthropology.**—Physical anthropology; man's evolution, variations, present development. Place of origin, dispersion, physical types. Prehistoric man; cultural activities. 5 credit hours.

**61. American Archaeology.**—The ancient communities of the Pueblo plateau; Aztec Mexico; the ancient Maya cities of Central America. 2 credit hours.

**141. Social Anthropology.**—Social origins and structure of society. Evolution of society; origin of races. Social processes, laws, causes. 3 credit hours.

An extension course in American Archaeology is given for the benefit of those not seeking University credit. 1 credit hour.

### DEPARTMENT OF BIOLOGY

HELEN E. MURPHY, Ph. D., Associate Professor.  
———, Instructor.

BOB FISHER, Student Laboratory Assistant.

**Major Study.**—A major study consists of 24 credit hours in courses above freshman grade.

**Minor Study.**—Twelve credit hours in courses above freshman grade.

**1. General Zoology.**—An elementary course designed to acquaint the general student with the fundamental principles governing the life of animals. Two lectures and two laboratory periods a week. 4 credit 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 groups. The life processes of the individual plant. Two lectures and one laboratory period a week. 3 credit hours.

**26. General Human Physiology.**—An elementary study of the processes involved in human activities. Prerequisite: Biology 1 and Chemistry 1. Lectures, demonstrations and recitations. 3 credit hours.

**48. Heredity.**—An elementary study of the underlying principles of heredity in plants and animals, together with practical applications. 2 credit hours.

**51. Economic Invertebrate Zoology.**—A study of the life history, habits, and methods of control of invertebrate animals injurious to man. Prerequisites: 1 and 26. Two lectures and one laboratory period a week. 3 credit hours.

**54. Vertebrate Zoology.**—A study of the life history, habits, and structure of a series of vertebrates. Prerequisites: Biology 1 and 26. Two laboratory periods a week. 4 credit hours.

**92. General Bacteriology.**—An elementary course dealing with the activities of bacteria, yeasts, and moulds, together with methods of control. Elementary laboratory technique. Prerequisite: Biology 1 and 26, Chemistry 1 and 2. Two laboratory periods a week. 4 credit hours.

**121. Comparative Vertebrate Anatomy.**—A comparative study of the systems of representative vertebrates. Prerequisites: Biology 54. Three laboratory periods a week. 5 credit hours.

**124. Histology.**—A microscopic study of animal tissues and organs. Prerequisite: Biology 121. Laboratory 3 periods; total 4 credit hours.

**141-a, b. Microscopic Technique.**—Practical laboratory work on the collection and preparation of microscopic material for biological work. Prerequisite: Biology 124. 2 credit hours for two semesters.

**144. General Embryology.**—A study of the general principles of chordate development as illustrated by the frog, chick, and pig. Prerequisite: Biology 121 and 124. Three laboratory periods a week. 4 credit hours.

**146. Problems.**—Independent investigation in Zoology or Botany for properly qualified upperclassmen. 2 credit hours per semester.

#### COURSES PRIMARILY FOR GRADUATES

**251. Seminar.**—1 credit hour.

**253. Advanced Micro-Technique.**—3 credit hours.

- 254. **Cytology.**—4 credit hours.
- 255. **Insect Morphology.**—4 credit hours.
- 256. **Laboratory Methods in Heredity.**—2 credit hours.
- 257. **New Mexico Crustacea.**—3 credit hours.
- 281. **Iron-fixing Bacteria of New Mexico Waters.**—2 credit hours.
- 282. **New Mexico Algae.**—4 credit hours.

## DEPARTMENT OF CHEMISTRY

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

VEON C. KIECH, M. S., Instructor.

DORIS M. BARKER, Student Assistant.

**Major Study.**—A major study of 24 hours in this department must include courses 1, 2, 51 and 52 or their equivalent, but courses 1, 2, and 51 shall not be counted toward 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 51 and 52 and sufficient electives to make a total of 12 hours.

**Equipment.**—The department of Chemistry is housed in the Chemistry Building. 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 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.

## 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. 3 credit hours.

**1-A and B.**—Inorganic laboratory.—One period a week. 1 credit hour.

**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: Chemistry 1. 3 credit hours.

**2-A and B. Inorganic laboratory.**—One period a week. 1 credit hour.

**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. Prerequisite: Chemistry 1 and 2. 5 credit 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, water, urine, poisons, drugs, gases, and oils are taken. The needs of the individual student will be considered in the work. Prerequisite: Chemistry 51. Laboratory 51. Laboratory, 10 hours per week. 5 credit hours.

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

**62. Organic chemical laboratory.**—This course consists mainly of laboratory practice in preparing and purifying organic compounds and a study of quantitative organic reactions and analysis. Prerequisite: Chemistry 61. Laboratory work, 6 hours per week. 3 credit hours.

**68. Household chemistry.**—This course consists mainly of laboratory work in carbohydrates, fats, protein, milk, blood, urine, etc. Prerequisite: Chemistry 1 and 2. 3 credit hours.

**101-102. Quantitative analysis.**—Continuation of Chemistry 52. Laboratory 10 hours per week. 5 credit 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: Chemistry 1, 2, 51 and 52. 4 credit hours.

**110-A. Physical chemistry laboratory.**—One period a week. 1 credit hour.

**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. Prerequisite: Chemistry 1, 2, and 51. 2 credit hours.



**113. Metallurgy.**—The course consists of lectures describing the process employed in the smelting of iron, lead, copper, zinc, silver, gold, etc. Prerequisite: Chemistry 1, 2, and 51. 2 credit hours.

**151. Quantitative analysis.**—Continuation of 102. Laboratory 10 hours per week. 5 credit hours.

## DEPARTMENT OF CIVIL ENGINEERING

A. DIEFENDORF, B. S., C. E., Associate Professor

J. B. BAKER, B. S., M. S., Assistant Professor

**51. Elementary Surveying.**—Elementary course in plane surveying, including the theory and use of the chain, tape, compass, transit and level. Prerequisite Math. 16. 2 hours recitation per week. 2 credit hours.

**52. Topographic Surveying.**—A study of topographic methods including the theory and use of the plane table, barometer, and sextant, and also a study of hydrographic and aerial surveying, geodetic triangulation and astronomical observations. Prerequisite C. E. 51. 1 hour recitation per week. 1 credit hour.

**53. Elementary Surveying—Field.**—Practice with the chain tape compass, transit, and level. Plotting traverses, maps and profiles from field notes. To accompany C. E. 51. 6 hours field work per week. 2 credit hours.

**54. Topographic Surveying.—Field.**—Solution of problems in topographic surveying, geodetic and precise surveying, astronomical observations for time, azimuth, latitude and longitude, trigonometric and barometric leveling. To accompany C. E. 52. 6 hours field work per week. 2 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. 3 hours recitation per week. 3 credit hours.

**103. Railroad Engineering.**—The principles of economic location of railroads. To accompany C. E. 101. Prerequisite C. E. 52. 6 hours field work per week. 2 credit hours.

**105. Applied Mechanics.**—The mechanics of engineering problems. Statistics, kinetics, work, energy, impulse and momentum, etc. Prerequisite Math. 52. 4 hours recitation per week. 4 credit hours.

**108. Strength 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 hours recitation per week. 3 credit hours.

**110. Hydraulics.**—Elementary theory of hydraulics and water power including the principles of hydrostatic and hydronamic

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 hours recitation per week. 3 credit hours.

**112. Strength of Materials Laboratory.**—Materials testing dealing with the inspection and proper use of the materials of construction, including timber, iron, steel, masonry, cement, and concrete. To accompany C. E. 108. 3 hours laboratory per week. 1 credit hour.

**114. Hydraulics Laboratory.**—A study of orifices, weirs, loss of head in pipes, flow of water in open channels and conduits. To accompany C. E. 110. 3 hours laboratory per week. 1 credit hour.

**152. 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. 1 hour recitation and 6 hours drawing per week. 3 credit hours.

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

**159. Theory of Structures.**—A study of methods for the determination of stresses and design and detail of timber, steel, and concrete beams, girders, and trusses under varied conditions of loading. Prerequisite C. E. 108. 2 hours recitation and 6 hours laboratory per week. 4 credit hours.

**161. Water Supplies.**—The principal features of 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. Prerequisite C. E. 110. 3 hours recitation per week. 3 credit hours.

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

**166. 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. Prerequisite C. E. 161. 3 hours drawing per week. 1 credit hour.

**167. Reinforced Concrete.**—The principles of reinforced concrete rectangular and tee beams, slabs, columns, dams, retaining walls, arches and building design. Prerequisite C. E. 105. 3 hours recitation per week. 3 credit hours.

**168. Masonry.**—The study of the nature of brick, stone, lime, clay products, cement, gravel, concrete, and water ratio of concrete mixes. The methods of constructing culverts, retaining walls,

arches, and foundations. Prerequisite C. E. 108. 2 hours recitation per week. 2 credit hours.

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

**172. 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 hours recitation per week. 2 credit hours.

**182. Seminar.** Readings and discussions of engineering topics. Each student presents papers upon assigned topics and participates in the discussion of others. 2 hours recitation 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

WALTER E. ROLOFF, M. A., Ph. D., Professor

THOMAS L. POPEJOY, B. A., Instructor

**Group Requirements.**—Courses 15 and 18 are accepted towards the requirement of Group III.

**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. 3 credit 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 in regard to land, capital, labor and management. Prerequisite: Econ. 15. 3 credit hours.

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

**65. Business Letter Writing.**—A study of the business letter, and study of special types such as sales letters, etc., methods of arranging facts, use of references, preparation of outlines, checking or proof-reading. Prerequisites: Econ. 15 and 18. 3 credit hours.

**67. Business Organization and Administration.**—A study of business corporations and combinations, with special reference to their functions, operations, advantages and disadvantages, and relation to governmental policy. Prerequisites: Econ. 15 and 18. 3 credit hours. (Not given in 1928-29).

**70. Principles of Marketing and Advertising.**—A study of economic principles underlying marketing operations and advertising and their application to special problems. Prerequisites: Econ. 15 and 18. 3 credit hours.

#### FOR ADVANCED UNDERGRADUATES AND GRADUATES

**103-104. Advanced Principles of Accounting.**—The principles of modern accounting in the preparation of balance sheets and statements. The treatment of good will, depreciation, capital and revenue concepts, dividends, and liquidations. Prerequisites: Econ. 15 and 18, 53 and 54. 3 credit hours each semester.

**109. Statistics.**—Collection, arrangements, and interpretation of statistical material relating to business operations, study of business barometers, index numbers, forecasting. Prerequisites: Econ. 15, 18, 53, and 54. 3 credit hours.

**110. Corporation Finance.**—Corporate organization in modern business, the salient points in its legal organization, classification of the instruments of finance, promotion, underwriting, capitalization, earnings, expenses, surplus, insolvency, receivership, reorganization, and regulation. Prerequisites: Econ. 15, 18, 53 and 54. 3 credit hours.

**111. Money and Banking.**—The nature and functions of money, standards of value, principles of banking with special reference to the banking system of the United States. Prerequisites: Econ. 15 and 18. 3 credit hours.

**116. Modern Economic Problems.**—An intensive study of current economic problems, accompanied by a critical review of the theories of value and distribution. Prerequisites: Econ. 15 and 18. 3 credit hours.

**118. Auditing.**—The procedure involved in connection with cash and cash funds, receivables, inventories, investments, deferred charges, capital assets, intangible assets, liabilities, both actual and contingent, accounts showing net worth, closing of an audit, and construction of audit reports. Prerequisites: Econ. 53 and 54. 3 credit hours.

**131-132. Business Law.**—Contracts, negotiable instruments, agency, partnership, interpretation of law, sales of personal property, guaranty and suretyship, insurance, real property. Prerequisites: Econ. 15 and 18. 3 credit hours each semester.

**162. Advanced Economics.**—Thorough training in economic theory and application to concrete problems. Prerequisites: Econ. 15 and 18. 3 credit hours.

### PRIMARILY FOR GRADUATES

**175.—History of Economic Thought.**—A critical study of the English classical school and a comparison of this school with recent economic theory. 3 credit hours.

**251a. Seminar in the Business Cycle.**—3 credit hours.

**253a. Seminar in Value and Distribution.**—3 credit hours.

**255a. Seminar in Marketing.**—3 credit hours.

### DEPARTMENT OF EDUCATION

SIMON P. NANNINGA, M. A., Ph. D., Professor.

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

LLOYD S. TIREMAN, M. A., Ph. D., Assistant Professor

**Major Study.**—Students majoring in Education will complete 24 hours in the Department.

**Minor Study.**—Students minoring in Education will complete 12 hours in the Department.

**Professional High School Teacher's Certificate.**—Educational Psychology 54 or 107, Education 141, 146, 167, are recommended as partial requirements for students who desire a professional high school teacher's certificate.

### UNDERGRADUATE COURSES

**51. History of Education in Europe.**—A study of the development of educational practices and systems through the Greek, Roman, medieval and modern periods in Europe, with the main emphasis upon the post-renaissance period. Study of text and sources, with discussions. 3 credit hours.

**52. History of Education in America.**—A study of the evolution of American educational ideals and practices, with special reference to the origin and development of those features of our present day practices which are most characteristically American. Study of text and sources with discussions. 3 credit hours.

**103. Introduction to Education.**—This course is an introduction to the various fields of education. It takes up the typical phases of the organization and administration of public schools with present day problems as they relate to the citizens and teacher. Lectures, following a text and assigned readings and reports. 3 credit hours.

**106. School Law of New Mexico.**—The present school laws and school system. 1 credit hour.

## FOR ADVANCED UNDERGRADUATES AND GRADUATES

**121a. Supervision of Reading.**—A course dealing with methods and materials best adapted to the improvement of instruction in reading. Special emphasis will be placed upon the following problems: Building a balanced reading program, preparation of work-type reading materials, the improvement of oral reading, diagnosis and remedial work. 2 credit hours.

**121b. Supervision of Elementary Education.**—This course will deal with the objectives, methods, and materials involved in the teaching of the elementary subjects. It is planned as a means of orienting experienced teachers and prospective supervisors in the whole field of supervision. 2 credit hours.

**141. Principles of Secondary Education.**—A course dealing with the aims, purposes, and general principles which apply to secondary education as a whole. 3 credit hours.

**142. High School Curriculum.**—Principles and procedures in curriculum-making as applied particularly to programs in both the junior and senior high schools. 3 credit hours.

**146. Principles of Teaching.**—A course dealing with the relationship of problems and principles of education to the principle of teaching in secondary schools; teaching the aims of the educative processes, types of lessons, questioning, discipline, lesson plans, supervision and its purposes. 3 credit hours.

**147. City School Administration.**—A study of the educational, financial and administrative principles underlying the administration of school systems in cities. 3 credit hours.

**148. Principal and his School.**—A course dealing with the organization and administration of a single school; the organization and supervision of instruction as applied to the elementary school principal, the junior high school principal, and the high school principal. 3 credit hours.

**149. State School Administration.**—The organization and administration of state school systems. The course includes a study of such topics as federal and state policy, forms of control, revenue and its apportionment, and state oversight and control. 3 credit hours.

**150a. Current Educational Problems.**—A seminar type study and discussion of current problems in education. A course designed to acquaint students with educational thought appearing in leading journals, periodicals, bulletins, and reports. More than one semester's work is recorded as 150b, 150c, etc. 2 credit hours.

**157. Educational and Vocational Guidance.**—A course in principles, methods, and literature of educational and vocational guidance. Consideration will be given to methods of educational and vocational guidance in high schools and to the organization and administration of a vocational guidance program for high school teachers and principals. 3 credit hours.

**167. Practice Teaching in High School.**—Open to seniors who have had 146 and recommended for all students preparing for high school teaching. The course consists of observation of methods and actual class room teaching experience under supervision. 3 credit hours.

**171. Problems of the Teaching Profession.**—A study of the principles of educational administration and organization as applied to the duties and responsibilities of the classroom teacher. 3 credit hours.

**221. Supervision of Elementary Education.**—Open to graduate students or experienced supervisors. Aims particularly to make the student conversant with the best literature, courses of study, etc. Each student will be expected to make a detailed study of some problem of special interest. 2 hours credit

**251a. Special Problems in Education (formerly 155a).**—An investigation or experimental problem in research selected by the student and approved by the instructor. Prerequisite: Consent of the instructor. More than one semester's work is recorded as 251b, 251c, etc. 2 or 3 credit hours.

**271a. Seminar in Educational Administration.**—Limited to advanced and graduate students whose special interest is educational administration. Topics chosen according to interest of students enrolled. Admission on consultation with the instructor. 2 credit hours.

**273. Seminar in Elementary Education.**—Open to those writing a thesis in this field. Special problems, study of theses, methods of attacking problems, etc. Presupposes a working knowledge of statistics. 2 credit hours.

**Note.**—221, 251a, 271a, and 273 are courses primarily for graduate students and are given as circumstances permit. For courses in Educational Psychology, Educational Tests, Intelligence Tests, Statistical Methods, see pages 108, 109 and 110. Credits in Psychology 54, 107, 108, 112 and 114, Hygiene 73, 74, and courses for teachers in various departments, may be counted as credits in education.

## DEPARTMENT OF ELECTRICAL ENGINEERING

PHILIP S. DONNELL, A. B., M. E. E., Professor

F. M. DENTON, A. C. G. I., Associate Professor

**1. Engineering Lecture.**—A course designed to give the student upon his entrance into the College of Engineering a broad conception of the general field of engineering and of the duties and requirements of the professional engineer. 2 hours lecture per week. 2 credit hours.

**2. Continuation of course EE1** including the solution of simple and fundamental problems met with in the various fields of engineering. 1 hour lecture per week. 1 credit hour.

**4. History of Science and Engineering.**—A general review of the development of scientific knowledge from the earliest times and its more recent application to engineering. 1 recitation per week. 1 credit hour.

**101. Direct Current Machinery.**—A study of the construction, theory of operation and characteristics of direct current generators and motors, with a preliminary study of the more advanced fundamental principles of electrical engineering. Prerequisites: Physics 111 and 113, Math. 22 and 52. 4 hours recitation per week. 4 credit hours.

**102. Theory of Alternating Currents.**—The theory of alternating currents and methods for the solution of single phase and polyphase circuits carrying harmonic and non-harmonic currents. Wave form analysis and study of methods and apparatus used in current and power measurements in A. C. circuits. Prerequisites: E. E. 101 and 106. 4 hours recitation and problem work per week. 4 credit hours.

**105, 106. Principles of Electrical Engineering.**—A course designed for students pursuing courses in Civil, Chemical, Geological, or Mechanical Engineering. Includes study of the fundamentals of electrical engineering, direct current dynamos, the theory of alternating currents, and alternating current machinery. Prerequisites: Physics 52, Math. 22 and 52. 2 hours recitation per week. 2 credit hours each.

**107, 108. Electrical Engineering Laboratory.**—Experimental work to accompany courses E. E. 105 and 106. 3 hours laboratory per week. 1 credit hour each.

**111. Direct Current Machinery Laboratory.**—Experimental work with direct current generators and motors. To accompany E. E. 101. 6 hours laboratory per week. 2 credit hours.

**112. Alternating Current Laboratory.**—Experimental work on alternating current circuits and phenomena. To accompany E. E. 102. 6 hours laboratory per week. 2 credit hours.

**151, 152. Alternating Current Machinery.**—A detailed study of alternating current instruments, apparatus and machinery, including the theory of operation and characteristics of alternators, transformers, A. C. motors, synchronous converters, and regulators. Prerequisite: E. E. 102. 4 hours recitation and problem work per week. 4 credit hours each.

**155, 156. Alternating Current Machinery Laboratory.**—Experimental work in the determination of the characteristics of the various types of alternating current machinery. To accompany E. E. 151 and E. E. 152. 6 hours laboratory per week. 2 credit hours each.

**161, 162. Design of Electrical Machinery.**—Electrical design of direct and alternating current machinery. Prerequisites: E. E. 102. To accompany but not precede E. E. 151. 1 hour lecture and 6 hours in design room per week. 3 credit hours each.



**182. Electrical Engineering Seminar.**—Reports on assigned reading and on original studies made by the student. Study and discussion of current technical literature. Prerequisite: E. E. 102. 2 hours recitation per week. 2 credit hours.

**192. Electric Power Plants.**—A study of rate making and of the economics of central stations as a public utility; location, design, construction and operation of central station plants and substations and distribution systems including the prime movers, generators, transformers, and switching and control equipment, for both steam and hydroelectric plants. Prerequisites: E. E. 102 and E. E. 151. 3 hours lecture per week. 3 credit hours.

**194. Communications.**—A theoretical and mathematical treatment of the more important means of communications, including submarine telegraphy, land telegraphy, telephony, and radio. The course includes a rather thorough study of the origin and use of hyperbolic functions as applied to the electric transmission of energy. Prerequisite: E. E. 102. 3 hours lecture per week. 3 credit hours.

**196. Transmission.**—Exact and approximate solutions of power transmission problems; design of transmission systems, including transmission line construction and protection. Prerequisites: E. E. 151 and 194. 3 hours lecture per week. 3 credit hours.

## DEPARTMENT OF ENGLISH

GEORGE WILLIS ST. CLAIR, M. A., Ph. D., Professor

CECIL V. WICKER, M. A., Assistant Professor

THOMAS MATTHEW PEARCE, M. A., Assistant Professor

CLYDE CLEVELAND, Student Assistant

LETITIA EELLS, Student Assistant

**Group Requirements.**—Courses 21 and 22 and three hours to be elected from courses numbered above 50 are prescribed for students in Arts and Sciences to meet the requirements of Group 1-A. Courses 21, 22, and 61 are required of students in Engineering.

**Major Study.**—For a major study, candidates must complete 24 hours in courses numbered above 50, but courses 53 and 54 may not be counted toward this requirement. The courses taken must include 53, 54, 58 or 61, 88, 91, and 151 or 152.

**Minor Study.**—For a minor study, candidates must complete 12 hours in courses numbered above 50, and in addition to the group requirements mentioned below.

**11. Review English.**—A rapid review of spelling, sentence structure, punctuation, and grammar. May be repeated in second semester. 3 credit hours.

Course 11 is required of all students who fail to pass the test

prescribed on page 20, and it must be completed by such students before they are admitted to English 21.

**21 and 22. Freshman Composition.**—The principles and practice of composition. 3 credit hours each semester.

**51a, b, c. Great Books.**—Open to all students. May be taken three times. 1 credit hour each.

**53 and 54. History of English Literature.**—Prerequisite for majors to all other courses in English literature. Prerequisites: English 21 and 22. 3 credit hours each semester.

**55. Public Speaking.**—3 credit hours.

**58. Argumentation and Debate.**—Training in the application of formal logic to oral and written argument. Prerequisites: English 21 and 22. 3 credit hours.

**61. Advanced Composition.**—Practice in the writing of exposition. Prerequisites: English 21 and 22. 3 credit hours.

**68. Special Course in Advanced Composition.**—Given for advanced students with considerable training or talent. The nature of the work is determined by the needs and abilities of the students. Prerequisites: English 21, 22, and 58 or 61. 1 or 2 credit hours.

**77. The Classical Period in English Literature.**—A detailed study of the chief writers in England from the Restoration to the decline of neo-classicism. Prerequisites: English 21 and 22. 3 credit hours.

**78. The Romantic Movement.**—A detailed study of the forerunners of romanticism in the 18th century and of the poetry and prose of the early 19th century. Prerequisites: English 21 and 22. 3 credit hours.

**81. The Victorian Period.**—A careful study of the representative poets and prose writers from 1830-1890. Prerequisites: English 21 and 22. 3 credit hours. (Not given in 1928-29.)

**82. American Literature.**—A general survey of the whole field down to 1900, with more intensive study of the great writers of the 19th century. Prerequisites: English 21 and 22. 2 credit hours. (Given in alternate years.)

**88. Comparative Literature.**—Lectures on literary monuments of Palestine, Greece, Rome, Medieval and Renaissance Europe, supplemented by the reading of kindred and derived work in English literature. Prerequisites: English 21 and 22. 2 credit hours.

**91. History of the English Language.**—An elementary survey of the etymology, morphology, phonetics, and semantics of English. Special attention is given to the relation between linguistic and cultural changes. Prerequisites: English 21 and 22. 2 credit hours.

**95 and 96. Masterpieces of Greek Literature in English Translation.**—See Greek 95 and 96. 2 credit hours each semester. (Not given in 1928-29.)

### PRIMARILY FOR ADVANCED UNDERGRADUATES

**141. Shakespeare.**—A detailed study of selected plays. Prerequisites: English 21 and 22. 3 credit hours. (Given in alternate years.)

**142. Elizabethan Drama.**—The dramatic works of Shakespeare's immediate predecessors and of his contemporaries, with special attention to their influence on Shakespeare's plays. Prerequisites: English 21, 22, and 53. 3 credit hours.

**143. Modern Drama.**—English dramatic history from 1660-1900. Prerequisites: English 21, 22, and 53. 3 credit hours.

**145. Spenser.**—Most of Spenser's poetry will be read with special emphasis upon this poet as an interpreter of the Renaissance spirit. 2 or 3 credit hours.

**146. Milton.**—Most of Milton's poetry will be read, some of his prose, and some representative prose and verse from other writers of the period. Prerequisites: English 21, 22, and 53. 2 or 3 credit hours.

**147. Studies in World Drama.**—Prerequisites: English 21 and 22. 2 credit hours.

**148. Elizabethan Literature Exclusive of the Drama.**—Studies in the prose and poetry of the period. Prerequisites: English 21, 22, and 53. 3 credit hours. (Alternates with English 142.)

**151. Chaucer.**—Chaucer and a general survey of 14th century literature. Prerequisites: English 21, 22, and 53. 3 credit hours.

**152. Old English.**—Prerequisites: English 21, 22, and 53. 3 credit hours. (Alternates with English 151.)

**185. The English Novel.**—A survey of fiction before the 18th century which contributed to the development of the novel, and a history of the form since Richardson. Prerequisites: English 21, 22, 53, and 54. 3 credit hours.

### PRIMARILY FOR GRADUATES

**210. Seminar in Contemporary Poetry.**—2 credit hours.

## DEPARTMENT OF GEOLOGY

ROBERT W. ELLIS, M. A., Professor

**Major Study.**—For a major study, students must complete 24 hours in courses other than 1. Chemistry 1 and 2 are required. Civil Engineering 52 and 54 may be counted towards a major; also, Chemistry 113.

**Minor Study.**—For a minor study, students must complete 12 hours in courses other than 1.

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

2. **Historical Geology.**—Prerequisites: Geology 1 and some knowledge of botany and zoology. 4 credit hours.

51. **Mineralogy.**—Prerequisite: Elementary chemistry. 2 credit hours. (Not given in 1928-29.)

52. **Determinative Mineralogy.**—Prerequisite: Geology 51. 2 to 4 credit hours. (Not given in 1928-29.)

53. **Meteorology.**—Prerequisite: Some knowledge of physics. 2 credit hours.

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

#### FOR ADVANCED UNDERGRADUATES AND GRADUATES

101. **Economics Geology.**—Non-metals. Prerequisites: Geology 2, 51, and 52. 2 credit hours.

102. **Economic Geology.**—Metals. Prerequisites: Geology 2, 51, and 52. 3 credit hours.

103. **Paleontology.**—Prerequisites: Geology 2. 2 credit hours. (Not given in 1928-29.)

104. **Petrology.**—Prerequisites: Geology 51 and 52. 2 credit hours. (Not given in 1928-29.)

105. **New Mexico Geology.**—Prerequisites: Geology 2, 101, and 102. 2 credit hours. (Not given in 1928-29.)

106. **Geologic Mapping.**—Prerequisites: Geology 2, and C. E. 52 and 54. 2 credit hours.

151. **Advanced Geology.**—Reading and research in special problems. 2 or 3 credit hours, either semester.

#### PRIMARILY FOR GRADUATES

201. **Oil Geology.**—Prerequisites: Geology 103 and 104. 2 credit hours. (Not given in 1928-29.)

202. **Advanced Paleontology.**—Prerequisite: Geology 103. 2 credit hours. (Not given in 1928-29.)

251. **Seminar in Geology.**—Research work. Character of work, and credit, to be arranged. (Not given in 1928-29.)

#### DEPARTMENT OF GREEK AND LATIN

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

##### GREEK

**Group Requirements.**—Courses 95 and 96 are not accepted toward the requirement in Group II.

**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 credit hours.

**2. Elementary Reading Course.**—Xenophon: *Anabasis*, Books I-III, or the equivalent. 3 credit hours.

**12. Composition and grammar.**—Intended to accompany 2. 1 credit hour.

**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 two courses in English. Same course as English 95. 2 credit hours. (Not given in 1928-29.)

**96. Greek literature in English translation.**—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 credit hours. (Not given in 1928-29.)

### LATIN

**Group Requirements.**—Courses up to and including 52 may be counted towards fulfilling of Group II.

**Major Study.**—A major study consists of 24 hours earned in courses exclusive of 1, 2, 3 and 4.

**1, 2. Beginning Latin.**—A course intended for those who have not previously studied Latin, and covering approximately the work completed in two years of high school but with considerable emphasis on general linguistic derivatives, and some attention given to semasiology. 4 credit hours each.

**3, 4. Intermediate Latin.**—Intended to meet the demands of those who have had two units of Latin in high school. Selections from various authors, especially Cicero, Sallust, and Ovid. 3 credit hours each.

**5, 6. Vergil.**—Selections from Vergil and other authors of similar difficulty with studies in prosody. Intended for those who have had three or four units of high school Latin. 3 credit hours each. (Not given in 1928-29.)

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

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

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

**51. Sophomore Latin: literature.**—Selections from Catullus, Propertius, Martial, and Pliny the Younger or Tacitus. 3 credit hours. (Not given in 1928-29.)

**52. Sophomore Latin: literature.**—Two comedies Plautus and one of Terence. 3 credit hours. (Not given in 1928-29.)

#### FOR ADVANCED UNDERGRADUATES AND GRADUATES

**101. Advanced Latin.**—Tacitus, Agricola, and Germania: selections from Seneca. Outside readings bearing on the condition of the Roman people during the first century A. D. 3 credit hours. (Not given in 1928-29.)

**102. Advanced Latin.**—Apuleius and Petronius. A study of the development of the Roman novel and plebeian Latin. Assigned readings. 3 credit hours. (Not given in 1928-29.)

**105. Advanced Latin.**—Selected readings from medieval Latin and topics for investigation. 3 credit hours.

**106. Advanced Latin.**—Selections from Horace, Persius, and Juvenal. A study is made of Roman satire. Assigned readings. 3 credit hours.

**179, 180. Roman Life.**—Lectures and topics for investigation in Roman public and private life. 2 credit hours each.

#### PRIMARILY FOR GRADUATES

(Graduate work is offered only when circumstances permit. Arrangements should be made in advance.)

**231, 232. Latin grammar and syntax.**—Lectures, and topics for investigation in the fields of historical and comparative grammar and syntax. Prerequisite: A reading knowledge of French or German. 2 credit hours each.

**251a. Seminar.**—Directed investigation of an assigned problem, usually applied on the thesis requirement. More than one semester's work is indicated by 251b, 251c, etc. 2 or more credit hours.

#### DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

CHARLES F. COAN, M. L., Ph. D., Professor of History  
JAMES F. ZIMMERMAN, M. A., Ph. D., Professor of Political  
Science.

—————, Assistant Professor of History  
MALCOLM LONG, Student Assistant

#### HISTORY

**Group Requirements.**—Courses in History are accepted toward fulfillment of the requirement in Group III.

**Major Study.**—Students taking a major in History will be required to complete 24 hours in the department, exclusive of courses

open to Freshmen, nine of which hours may be elected in allied courses in Political Science.

**Minor Study.**—Students taking a minor in history will be required to complete 12 hours in the department, exclusive of courses open to Freshmen.

#### PRIMARILY FOR UNDERGRADUATES

11. **Ancient History.**—From earliest times to the decline of Hellenic states. 3 credit hours.

12. **Ancient History.**—From the decline of the Hellenic states to the overthrow of the Roman Empire. 3 credit hours.

21. **Medieval History.**—From the Teutonic invasion to the end of the seventeenth century. 3 credit hours.

22. **Modern History.**—From the eighteenth century to the present day. 3 credit hours.

#### FOR ADVANCED UNDERGRADUATES AND GRADUATES

101. **History of the United States.**—From the adoption of the Constitution to the Civil War. 3 credit hours.

102. **History of the United States.**—From the Civil War to the present. 3 credit hours.

121. **History of Great Britain.**—From the Roman invasion to the overthrow of James II. 3 credit hours. (Not given in 1928-29.)

122. **History of Great Britain.**—From the overthrow of James II to the present. 3 credit hours. (Not given in 1928-29.)

131. **History of Mexico.**—From prehistoric times to the present. 3 credit hours.

141. **History of Colonial North America.**—From the Discoveries to the Constitution. 3 credit hours.

142. **History of New Mexico.**—From the earliest times to the present. 3 credit hours.

161. **History of Spain.**—From the earliest times to the present. 3 credit hours.

162. **History of South America.**—From the beginning of colonization to the present. 3 credit hours.

#### PRIMARILY FOR UNDERGRADUATES

215a. **Seminar in colonial Hispanic America.**—2 credit hours.

251b. **Seminar in colonial Hispanic America.**—2 credit hours.

251c. **Seminar in western American history.**—2 credit hours.

251d. **Seminar in western American history.**—2 credit hours.

## POLITICAL SCIENCE

**Group Requirements.**—Courses in political science are accepted toward fulfillment of the requirements in Group III.

**Major Study.**—Courses 21 and 22 in all cases, and 24 hours of political science earned in other courses, or 15 hours of political science earned in courses above 21 and 22 and 9 hours of history.

**Minor Study.**—18 hours of political science.

## PRIMARILY FOR GRADUATES

**21. American Government.**—A general survey of the organization of American government (national, state, and local). 3 credit hours.

**22. American Government.**—A general survey of the work of American government (national, state, and local). Continuation of American Government 21, which is a prerequisite. 3 credit hours.

**71. European Governments.**—A study of the organization and work of city government in the United States. 3 credit hours.

**72. European Governments.**—A study of the organization and work of the principal governments of Europe. Continuation of European Governments 71, which is a prerequisite. 3 credit hours.

## FOR ADVANCED UNDERGRADUATES AND GRADUATES

**101. Municipal Government.**—A study of the organization and work of city government in the United States. 3 credit hours.

**102. Party Government.**—A study of the organization and functions of political parties in the United States. 3 credit hours.

**141. International Law and Relations.**—A study of the origin, development, and practical application of the rules governing the intercourse of nations. 3 credit hours.

**142. International Law and Relations.**—A survey of the major problems in international affairs at the present time. If taken for major credit, International Law and Relations 141 becomes a prerequisite. 3 credit hours.

**161. Problems of Democracy.**—A study of some of the more important problems of modern democracy. 3 credit hours.

## DEPARTMENT OF HOME ECONOMICS

MRS. WALTER SIMPSON, B. S., Professor

MILDRED E. DODDS, B. S., M. S., Instructor

**Major Study.**—To complete a major study in Home Economics, students must present credits in courses 11, 12, 53, 54, 61, 62, 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

**11, 12. Clothing and Textiles.**—Construction of garments emphasizing technique and principles of art applied to dress. Problems in cotton materials and sport silk. Study of textiles. 1 lecture and 2 laboratory periods a week. 3 credit hours each.

**53. Foods and Cookery.**—Food supply in relation to source, composition, nutritive value, cost, and proper combinations. Practical work in beverages, cereals, vegetables, eggs, milk, cheese, and meat. 1 lecture and 2 laboratory periods a week. 3 credit 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. 1 lecture and 2 laboratory periods a week. 3 credit hours.

**61. Dressmaking.**—Fundamental principles of selection and construction of clothing. Advanced study of textiles. Problems in wool. Prerequisite: 12. 1 lecture and 2 laboratory periods a week. 3 credit hours.

**62. Dressmaking.**—Continuation of 61. Problems of silk. Study of historic costume. Prerequisite: 61. 1 lecture and 2 laboratory periods a week. 3 credit hours.

**75. Art.**—Fundamental principles of design, handicraft, and interior decoration. 1 lecture and 2 laboratory periods a week. 3 credit hours.

### FOR ADVANCED UNDERGRADUATES

**105. Advanced Foods.**—Preservation of foods, food laws, canning and advanced cookery. Prerequisite 54 and Chemistry 68. 1 lecture and 2 laboratory periods a week. 3 credit hours.

**106. Advanced Foods.**—Review of courses 53, 54, 105, with special emphasis on fundamental principles of nutrition. Advanced cookery. Demonstration in selection and preparation of foods. Prerequisite: 105. 1 lecture and 2 laboratory periods a week. 3 credit hours.

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

**132. Home 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 credit hours.

**138. Care of Children.**—Growth, development, and care of the child through infancy, childhood, and adolescence. 3 credit hours.

**181. Serving of Meals.**—Actual experience in selecting and purchasing food. Cooking and serving of daily meals and meals for special occasions. Prerequisite: 106. 2 lecture hours, 6 practice hours a week. 4 credit hours.

**194. Teacher's Course.**—Principles underlying curricula, methods of presentation, planning and equipping laboratories. Prerequisite: 62 and 106. 4 credit hours.

## DEPARTMENT OF HYGIENE AND PHYSICAL EDUCATION

ROY W. JOHNSON, B. A., Professor

ELNA DANIELS, M. A., Instructor

(On leave of absence)

LORETTA BARRETT, B. A., Acting Instructor

JAMES T. THOMPSON, M. A., Lecturer in Hygiene

### HYGIENE

**Major and Minor Studies.**—Not offered at present.

### PRIMARILY FOR UNDERGRADUATES

**1, 2. The Principles of Hygiene.**—General and personal hygiene. Required of all freshmen and of upper classmen who have not credit for a similar course. 1 credit hour each.

**72. Educational Hygiene.**—Sanitation and ventilation of school buildings; common health defects; their causes, detection, and remedy; teaching of health in the school. 2 credit hours.

### PHYSICAL EDUCATION

(Note.—Participation in major sports can be counted toward meeting the requirement in the case of men 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, ect. Required of all freshmen and upper classmen who have not credit for a similar course. 3 hours a week,  $\frac{1}{2}$  credit hour each.

**131, 132. Athletic Coaching.**—This course deals with methods of coaching football, basketball, and track teams. Open to all advanced students who have been or are members of an athletic squad. 1 credit hour each.

## COURSES FOR WOMEN

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

**5, 6. Freshman Course.**—Swimming, track, clog dancing, apparatus, tumbling, stunts, corrective exercises, and games, such as volley ball, basketball, baseball, tennis, soccer, and field ball. Required of all freshmen and of upper class students who have not credit for a similar course.  $\frac{1}{2}$  credit hour each semester.

**61, 62. Advanced Folk and National Dancing.**—Open to those who have had folk dancing in 5, 6, or its equivalent. A fee is charged sufficient to cover the expenses of an accompanist.  $\frac{1}{2}$  credit hour each.

## 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 cataloguing, classification, reference work, ordering and selection of books. Lectures and practice work. 2 credit hours.

## DEPARTMENT OF MATHEMATICS

CHARLES ANTHONY BARNHART, M. A., Professor

J. B. BAKER, B. S., M. S., Assistant Professor

\*V. L. R. BEAUMONT, B. S., Instructor

MOYNELLE STEVENSON, Student Assistant

J. E. SEYFRIED, Student Assistant

**Group Requirements.**—Students in the College of Arts and Sciences may elect in the first two years from Mathematics 2, 13, 15, 16, 21 and 22, courses in which 8 hours may be carried toward the fulfillment of the requirements of Group III.

**Major Study.**—A major study in mathematics consists of a minimum of 24 hours earned in courses numbered above 20.

**Minor Study.**—A minor study in mathematics consists of a minimum of 12 hours earned in courses numbered above 20.

## PRIMARILY FOR UNDERGRADUATES

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

**13. Introductory College Algebra.**—For students who offer 1 unit entrance algebra. 5 credit hours.

\*Resigned.

**15. College Algebra.**—Prerequisite: Entrance algebra,  $1\frac{1}{2}$  units; plane geometry, 1 unit. 3 credit hours.

**16. Plane Trigonometry.**—Prerequisite: Entrance algebra,  $1\frac{1}{2}$  unit, or mathematics, 13; plane geometry, 1 unit. 3 credit hours.

**21, 22. Plane Analytic Geometry.**—Prerequisite: Mathematics 15, 16. 3 and 2 credit hours, respectively.

**51, 52. Differential and Integral Calculus.**—Prerequisite: Mathematics 2, 15, 16. 3 and 4 credit hours, respectively.

#### FOR ADVANCED UNDERGRADUATES AND GRADUATES

**102. Modern Geometry.**—Prerequisites: Mathematics 22. 3 credit hours. (Not given in 1928-29.)

**106. Mathematics of Investments.**—Prerequisites: Mathematics 15. 3 credit hours.

**113. Theory of Determinants.**—Prerequisites: Mathematics 52. 2 credit hours. (Not given in 1928-29.)

**115. Theory of Equations.**—Prerequisite: Mathematics 51. 3 credit hours. (Not given in 1928-29.)

**121. Analytic Geometry of Space.**—Prerequisite: Mathematics 52. 3 credit hours.

**151. Advanced Calculus.**—Prerequisite: Mathematics 52. 3 credit hours.

**152. Differential Equations.**—Prerequisite: Mathematics 52. 3 credit hours.

**161. History of Mathematics.**—Prerequisite: Mathematics 52. 3 credit hours.

**162. Teachers' Course.**—Prerequisite: Mathematics 22. 3 credit hours.

**181, 182. Pre-Seminar.**—Prerequisite: A minor in mathematics. 2 credit hours each semester.

#### PRIMARILY FOR GRADUATES

**214. Modern Algebra.**—Prerequisite: Mathematics 113 and 115. 3 credit hours.

**221. Projective Geometry.**—Prerequisite: Mathematics 102 and 121. 3 credit hours.

**241, 242. Functions of a Variable.**—Prerequisite: Mathematics 115, 151, and 152. 3 credit hours each.

**247, 248. Theory of Statistics.**—Prerequisite: Mathematics 106, 151, and 152. 3 credit hours each.

**251a. Seminar.**—2 to 3 credit hours. Note.—If more than one semester is given, the course will be numbered 251b, etc.

## DEPARTMENT OF MECHANICAL ENGINEERING

J. B. BAKER, B. S., M. S., Assistant Professor

**52. Materials.**—The common materials of construction, metallurgy of iron and steel, heat treatment, foundry methods. Prerequisite: Chemistry, 2. 3 lecture hours per week. 3 credit hours.

**101, 102. Thermodynamics.**—Transformation of heat into work, the second law, properties of heat media, perfect gases, saturated and superheated vapors, flow of fluids, engines, turbines. Prerequisites: Mathematics 52 and Physics 52. 3 hours recitation per week. 3 credit hours each.

**103. Steam Power Plants.**—Application of thermodynamics to engines, boilers, pumps, condensers, etc. Prerequisite: M. E. 102. 3 hours recitation per week. 3 credit hours.

**105. Mechanical Engineering Laboratory.**—Standard methods of testing mechanical engineering equipment. Prerequisite: M. E. 102. 1 hour lecture and 6 hours laboratory per week. 3 credit hours.

**107. Internal Combustion Engines.**—Gas, oil, and gasoline engines, design, thermodynamics, applications. Prerequisite: M. E. 102. 3 hours recitation and lecture per week. 3 credit hours.

**112. Mechanism.**—Cams, gears, graphical construction, kinematics, balancing, critical speeds. Prerequisites: C. E. 105. 2 hours lecture and 6 hours laboratory per week. 4 credit hours.

**113, 114. Machine Design.**—Design of machinery subjected to heavy and variable stresses. Prerequisite: M. E. 112. 3 hours recitation and 4 hours drawing first semester, and 3 hours recitation and 3 hours drawing second semester. 5 credit hours and 4 credit hours respectively.

**116. Plant Design.**—Layout and correlation of essential components of an industrial plant. Prerequisites: M. E. 103, M. E. 113. 6 hours in drafting room per week. 2 credit hours.

**121, 122, 123, 124. Seminar.**—Review of current literature, reports. One hour each semester required of Junior and Senior Mechanical Engineering students. 1 credit hour each.

**132. Industrial Management.**—The application of economics to engineering problems. 3 hours lecture per week. 3 credit hours.

**133, 134. Technical Options.**—Only one of the following topics will be considered each semester: Refrigeration. Mechanical cooling in industrial processes. Heating and Ventilation. Direct and indirect heating, ventilation, air conditioning. Aeronautical Engineering. The latter will extend through two semesters and will consider types of ships, design, aerodynamics, testing methods, and current advances in the art. 3 hours lecture and recitation per week. 3 credit hours each.

## DEPARTMENT OF MODERN LANGUAGES AND LITERATURE

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

DIETRICH D. NEUFELD, Ph. D., Assistant Professor

ANITA M. OSUNA, M. A., Assistant Professor

EMMY WORTMANN, Student Assistant in Spanish

**Entrance Requirements.**—Students who enter with two units of French, Spanish, or German may enroll in French 55, Spanish 55, or German 51. If they have not had a course in the respective language the preceding half year, they are admitted to these courses by permission and on trial. Students who enter with four units may enroll in French 103 or Spanish 103.

**Major Study.**—In Spanish, 24 credit hours above 1 and 2, including 103-104. Beginning in 1925 a minor in French or in Latin will be required of students who offer a major study in Spanish. For these students, English 53, 78, 91, 95, 96, and History 1, 2, and 141 are strongly recommended as electives. No major study in French or German is offered at present.

**Minor Study.**—In French or Spanish, 12 hours above 1, 2, including 53, 54. No minor study in German is offered at present.

### FRENCH

#### PRIMARILY FOR UNDERGRADUATES

1, 2. **Elementary French.**—4 credit hours each.

55, 56. **Intermediate French.**—Reading and composition. 4 credit hours each.

111, 112. **Literature of the 19th and 20th centuries.**—3 credit hours each.

### GERMAN

#### PRIMARILY FOR UNDERGRADUATES

1, 2. **Elementary German.**—4 credit hours each.

51, 52. **Intermediate German.**—3 credit hours each.

### SPANISH

#### PRIMARILY FOR UNDERGRADUATES

1, 2. **Elementary Spanish.**—5 credit hours each.

41. **Grammar: Review and Reading.**—3 credit hours.

55, 56. **Intermediate Spanish.**—Reading of selected literature and composition. 4 credit hours each.

91. **Intensive Reading Course.**—3 credit hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

103, 104. **Advanced Composition and Conversation.**—Prerequisites: 55, 56. 3 credit hours each.

111, 112. **Literature of the 19th and 20th centuries.**—3 credit hours each.

(Not more than four credit hours of the following will be offered in any one semester.)

141. **Modern Syntax.**—2 credit hours.

151. **Survey Courses.**—3 credit hours.

153. **Phonetics.**—2 credit hours.

201. **Historical Grammar.**—3 credit hours.

202. **Course for Teachers.**—2 credit hours.

DEPARTMENT OF MUSIC

GRACE A. THOMPSON, B. Mus., Associate Professor of Music

CORA FERN PIERCE, Instructor in Piano and Theory

FLORENCE SMITH, Instructor in Voice

MARIA-ELISE JOHNSON (Mrs. Frederick M. Gannon)  
Instructor in Violin.

LOUISE M. NICHOLS, Part-time Instructor in Piano

VIRGINIA McMANUS, Student Assistant in Piano

**Major Study.**—A major study in Music implies specialization in voice, piano, or violin, and consists of a minimum of 24 credit hours in courses not open to freshmen, including theory and history of music.

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

**Fees.**—Additional fees are charged, respectively, for Piano, Voice, Violin and for Pipe Organ. See page 32.

**Miscellaneous.**—Each student of Voice, Piano, or Organ, is required to give one successful performance in recital, during the Junior and Senior year.

THEORY OF MUSIC

1, 2. **Elementary Harmony.**—Scales, intervals, triads, and their inversions. Simple part writing. Examples and transpositions of chord progressions and modulations at the piano. 2 recitations a week. 2 credit hours each.

61, 62.—**History of Music.**—2 recitations a week. 2 credit hours each.

101, 102. **Melody Writing and Counterpoint.**—Prerequisites: Music 1 and 2. 2 recitations a week. 2 credit hours each.

**93, 94.—Public School Music.**—Methods of teaching music in the public school. A study of available textbooks. Observation and practice as far as feasible. Prerequisite: Music 1, 2, 61, and 62. 2 recitations a week. 2 credit hours each.

**Ensemble Music.**—The following courses are organized each year, when circumstances permit: Choruses for men's, women's and mixed voices, Orchestra and Band. Each course in chorus includes instruction and practice in sightseeing. Open to all students. Credit for more than four semesters in ensemble music is not counted towards graduation. One or two meetings a week, earning  $\frac{1}{2}$  to 1 credit hour.

### VOICE

The offerings in Voice are intended to develop the voice and perception of music, so that all vocal music can be interpreted with understanding and spontaneity. A complete course in the art of vocalization is offered, including a series of graded studies selected from the works of the celebrated masters, together with other exercises adapted to the needs of individual students. Students transferring from other universities will be given placement examinations.

Students will generally be able to complete each of the following courses at the rate of two half-hour lessons a week, with outside practice, as prescribed in each case. Students who do not care to carry at any one time so heavy a course in voice may register for one lesson a week. Students are expected to attain such standards of proficiency as are established for each year's work, and those who fail to do so are required to reregister in same course for no additional credit in order to attain eligibility for re-registration in the next following course.

**1a, b, 2a, b. Freshman Course.**—Scientific instructive ideas in natural breathing; development of the singing tone; vocal exercises compiled by Abt, Nana-Concone, Panopka, Sieber, and Gorrrell; simple Italian and English songs to develop the emotional and artistic abilities of students. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**51a, b, 52a, b. Sophomore Course.**—Further attention is given to the development of pure tone; vocal exercises compiled by Bordonì, and Marchesi; simple classics of Italian, German, and English composers. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**101a, b, 102a, b. Junior Course.**—Advanced technique and simple arias from Italian and French operas; the oratorio; modern French and English songs. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

*Panopka*



**151a, b, 152a, b. Senior Course.**—Advanced technical studies for the development of the singing voice; repertoire in opera and oratorio; public appearance and recitals as prescribed. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

## PIANO

(Note.—Beginning pupils are not accepted. In order to be eligible for registration in piano 1, applicants must have had satisfactory training in Hanon's exercises, easy studies of Koehler, little preludes of Bach, or the equivalent. Each applicant for piano will be given a placement examination.)

Students will generally be able to complete each of the following courses at the rate of two half-hour lessons a week, and outside practice as prescribed in each case. Students who do not care to carry at any one time so heavy a course in piano may register for one lesson a week. Students are expected to attain such standards of proficiency as are established for each year's work, and those who fail to do so are required to reregister in same course for no additional credit in order to attain eligibility for registration in the next following course.

**1a, b, 2a, b. Freshman Course.**—Development of technique, double note studies, pedal exercises, arpeggios and scales in thirds, sixths, etc. The following or their equivalent will be completed: Berens, Op. 51; Hanon, Exercises, books 1 and 2; Rogers, Double-Note Studies; Vogt, Octave Studies; easy sonatas. A maximum of 6 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**51a, b, 52a, b. Sophomore Course.**—Compositions designed to develop artistic appreciation and interpretation; exercises to increase agility, accuracy and endurance; especial attention given to touch, tone, and the left hand. Selections used will be of the grade of Heller's studies; Czerny, Opus 229; Bertini, Opus 32; Bach, Inventions; sonatas of Hayden and Mozart. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**101a, b, 102a, b. Junior Course.**—Selections studied will be the following or their equivalent: Clementi, Gradus ad Parnassum; Bach, Well-Tempered Clavichord; Beethoven, Sonatas; Chopin, Preludes, and Nocturnes; MacDowell, Grieg and other modern composers. Appearances in recital and in accompanying are required. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**151a, b, 152a, b. Senior Course.**—Pieces of concert grade by Liszt, Chopin, Debussy, Brahms, Grieg, Tchaikowsky, and others, or their equivalent, will be studied. A public recital from memory

is required towards the end of the senior year. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours.

### PIPE ORGAN

**51a, b, 52a, b. Beginner's Course.**—Instruction books are used, such as Stainer's, "The Organ," and Nilson's, "The Pedal." Attention is given to touch, phrasing, registration, and repertoire. Prerequisite: Considerable proficiency on the piano. Credit on same basis as for piano.

### VIOLIN

Students will generally be able to complete each of the following courses at the rate of two half-hour lessons a week, with outside practice as prescribed in each case. Students who do not care to carry at any one time so heavy a course in violin may register for one lesson a week. Students are expected to attain such standards of proficiency as are established for each year's work, and those who fail to do so are required to reregister in same course for no additional credit in order to attain eligibility for registration in the next following course.

**1a, b, 2a, b. Freshman Course.**—Thorough grounding in fundamentals. Exercises and pieces selected according to the needs and temperament of individual students. Belgian School of the Violin, Book I is used. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**51a, b, 52a, b. Sophomore Course.**—The seven positions; further study of bowing and of technique; double stopping and natural harmonics. Belgian School of the Violin, Book II, and Maza's Etudes will be used and other pieces assigned according to needs of the students. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**101a, b, 102a, b. Junior Course.**—Advanced work in the different varieties of bowing; scales; chords, double stopping and advanced technique. Belgian School of the Violin, Book III, exercises of Kayser and Kreutzer, orchestral and ensemble playing, and standard pieces embodying practical application of newly learnt principles. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

**151a, b, 152a, b. Senior Course.**—Advanced study. Three octave scales with Paganini fingering; concertos and sonatas suitable to advanced students; musical intelligence; Belgian School of the Violin, Book IV, exercises of Kreutzer, Fiorillo, and Rode. Student is required to give a recital program including a concerto or sonata and groups of smaller numbers. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 or 4 credit hours each.

## DEPARTMENT OF PHYSICS

ROBERT S. ROCKWOOD, M. S., Professor

F. M. DENTON, Associate Professor

**Major Study.**—24 credit hours, but not including 1, 2, and 61.**Minor Study.**—12 hours, but not including 1, 2, and 61.**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, 2. General Physics.**—Intended to give a general knowledge of physics. Students who offer physics as an entrance requirement will receive half credit. Lectures and problems, 3 hours, laboratory, 1 period per week. 4 credit hours each.**51. Advanced General Physics.**—Mechanics, magnetism, and electricity. Lectures and recitations, 3 hours per week. Prerequisite: Physics 1 and 2, and mathematics 16. 3 credit hours.**52. Advanced General Physics.**—Heat, sound, and light. Lectures and recitations, 3 hours per week. Prerequisite: Physics 51. 3 credit hours.**53. Laboratory Physics.**—Mechanics, magnetism, and electricity. To accompany Physics 51. Discussion and problems, 1 hour; laboratory, 1 period per week. 2 credit hours.**54. Laboratory Physics.**—Heat, sound and light. To accompany Physics 52. Discussion and problems, 1 hour; laboratory, 1 period per week. 2 credit hours.**61. Household Physics.**—Intended for students of home economics. Lectures and recitations, 3 hours per week. 3 credit hours.

## FOR ADVANCED UNDERGRADUATES

**112. Electricity and Magnetism.**—Lectures and recitations; 2 hours per week. Prerequisites: Physics 51, 52, and mathematics 51 and 52. 2 credit hours.**114. Electrical Measurements.**—To accompany Physics 112. Laboratory, 2 periods per week. 2 credit hours.**(Note.**—The following courses will be offered as circumstances permit.)**131. History of Physics.**—Lecture 2 hours per week. Prerequisite: Physics 51 and 52. 2 credit hours.**152. Advanced Light.**—Lecture and recitations, 2 hours per week. Prerequisites: Physics 51, 52, 53, 54, and mathematics 51 and 52. 2 credit hours. (Not given in 1927-1928.)**162. Advanced Heat.**—Lectures and recitations, 2 hours per week. Prerequisites: Physics 51, 52, 53, 54, and calculus. 2 credit hours.

**164. Heat Laboratory.**—To accompany Physics 162. Laboratory 2 periods per week. 2 credit hours.

**171. Atomic Structure.**—Lectures, 2 hours per week. Prerequisites: Physics 51, 52. 2 credit hours.

### FOR GRADUATE STUDENTS

**201. Einstein's Theory of Relativity.**—Prerequisites: Mathematics 51 and 52, and Physics 51, 52. 2 credit hours.

### DEPARTMENT OF PRACTICAL MECHANICS

\*V. L. R. BEAUMONT, B. S., Instructor

WILLIAM REED, Student Assistant

**3. Pattern Shop.**—Bench and lathe work in wood. Practice in the interpretation of working drawings. Pattern making and cabinet work. 6 hours shop work per week. 2 credit hours.

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

**13. General Engineering, Drawing.**—Freehand and mechanical lettering. The production of working drawings, and practice in the conventional symbols used in making mechanical drawings. 9 hours in drafting room per week. 3 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: Mathematics 2, and P. M. 13. 6 hours in drafting room per week. 2 credit hours.

### DEPARTMENT OF PSYCHOLOGY

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

DOROTHY EILERS, Student Assistant

BARBER-NELL THOMAS, Student Assistant

**Group Requirements.**—Courses 51, 52, 121 and 122 are accepted toward fulfillment of the requirements in Group IV.

**Major Study.**—Students majoring in psychology will complete 24 hours in the department.

**Minor Study.**—Students minoring in psychology will complete 12 hours in the department.

### FOR UNDERGRADUATES

**51. General Psychology.**—A general survey of psychology; its material, fundamental laws, applications, and relations to other

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\*Resigned.

sciences. 2 lectures and 1 class experiment each week. 3 credit hours.

**52. General Psychology.**—A continuation of 51 with some attention to applications to medicine, law, advertising, education, etc. 2 lectures and 1 class experiment each week. 3 credit hours.

**54. Educational Psychology.**—An elementary course for students who wish only that part of general psychology that is most applicable to education. Students may receive credit for either 52 or 54, but not for both. 2 lectures and 1 class experiment each week. 3 credit hours.

#### FOR ADVANCED UNDERGRADUATES AND GRADUATES

**101. Social Psychology.**—A study of behavior as influenced by other human beings. 3 lectures or recitations each week. Prerequisite: 51 or 54. 3 credit hours.

**103. Abnormal Psychology.**—Mental adjustments, conflicts and dissociations, suggestion and hypnotism, types of insanity, hereditary factors in mental disorganizations. 3 lectures or recitations each week. Prerequisite: 51 or 54. 3 credit hours.

**107. Educational Psychology.**—The nature of learning and retention; learning curves, their uses and significances; factors affecting the rate and permanency of learning; problems relating to the learning capacity; transfer of training; applications to practical school work. Lectures, experiments, and discussions. Prerequisite: 51 or 54. 3 credit hours.

**113. Intelligence tests.**—A survey of group and individual tests, interests, rating scales, trade tests, other determinants of results. Prerequisite: 51 or 54. 3 credit hours.

**114. Educational tests.**—A survey of the available tests and scales; the technique of giving and scoring tests; the tabulation and interpretation of scores. Prerequisite: 51 or 54. 3 credit hours.

**115. Employment Psychology.**—Topics; history of vocational psychology, types of mental tests, mental test technique, evaluating tests, interests, rating scales, trade tests, other determinants of vocational fitness. Prerequisite: 51 or 54. 3 credit hours.

**121. Experimental Psychology.**—The exercises are so selected and arranged as to familiarize the student with the methods, apparatus and results of experiments in each of the approved lines of psychological research. Prerequisite: 51 and 52. 3 credit hours.

**122. Experimental Psychology.**—A continuation of 121. Prerequisite: 51 and 52. 2 credit hours.

**192. Statistical method.**—A study of statistical methods as applied to psychology and education. 3 lectures or recitations each week. 3 credit hours.

## PRIMARYLY FOR GRADUATES

**211. Comparative Psychology.**—A survey of original studies dealing with experiments on instincts, heredity, learning, delayed reactions, multiple choice reactions. Prerequisite: Consent of the instructor. 3 credit hours.

**251a. Special problems.**—A detailed study of a problem agreed upon by the student and the instructor. Prerequisite: Consent of the instructor. 2 credit hours. More than one semester's work is recorded as 251b, 251c, etc.

## SUMMER SESSION

The University of New Mexico, after a lapse of four years, resumed summer instruction in 1922 with a session six weeks in length.

In 1926, the summer session was extended to eight weeks and has been of that length yearly.

The Bulletin of the Summer Session contains a list of the instructors and a description of the courses offered.

A large variety of courses is offered 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.

### PURPOSE

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, superintendents, and coaches of athletic teams. Teachers who desire to attend only so long as is necessary to meet the requirements 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 of good character, 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, etc., may be found in the Summer Session Bulletin, which will be sent free on request.

# COURSES OF STUDY

## SUMMER SESSION, 1927

|   |                               |
|---|-------------------------------|
| Indian Art.....                             | Visiting Instructor Chapman   |
| Culture History of the Southwest.....       | Professor Hewett              |
| General Biology.....                        | Instructor Thompson           |
| General Physiology.....                     | Instructor Thompson           |
| Heredity.....                               | Instructor Thompson           |
| Economic Geography.....                     | Professor Roloff              |
| Economic History of the United States.....  | Professor Roloff              |
| Business Letter Writing.....                | Professor Roloff              |
| Educational Psychology.....                 | Visiting Instructor Donaldson |
| History of Education.....                   | Professor Nanninga            |
| Educational Measurements.....               | Visiting Instructor Donaldson |
| Classroom Organization and Management.....  | Visiting Instructor Stewart   |
| Educational Sociology.....                  | Visiting Instructor Stewart   |
| Elementary School Problems and Methods..... | Visiting Instructor Donaldson |
| Secondary Education.....                    | Visiting Instructor Stewart   |
| Administration of Public Education.....     | Professor Nanninga            |
| Freshman Composition.....                   | Assistant Professor Heidler   |
| Argumentation and Debate.....               | Assistant Professor Heidler   |
| The English Novel.....                      | Assistant Professor Heidler   |
| Europe since 1815.....                      | Professor Coan                |
| New Mexico History and Civics.....          | Professor Coan                |
| Elementary Handwork and Sewing.....         | Visiting Instructor Heidman   |
| Garment Making.....                         | Visiting Instructor Heidman   |
| Food Study, Meal Planning and Serving.....  | Visiting Instructor Heidman   |
| Educational Hygiene.....                    | Visiting Instructor Walton    |
| Plays and Games for Elementary Schools..... | Visiting Instructor Walton    |
| Swimming.....                               | Visiting Instructor Walton    |
| Coaching Girls' Activities.....             | Visiting Instructor Walton    |
| Coaching of Major Sports.....               | Athletic Director Johnson     |
| Coaching of Minor Sports.....               | Athletic Director Johnson     |
| Physical Education.....                     | Athletic Director Johnson     |
| Swimming.....                               | Athletic Director Johnson     |
| Public School Music.....                    | Visiting Instructor Clauve    |
| Piano.....                                  | Visiting Instructor Clauve    |
| Voice.....                                  | Visiting Instructor Clauve    |
| Review of Elementary Spanish Grammar.....   | Associate Professor Evers     |
| Contemporary Spanish Literature.....        | Associate Professor Evers     |
| Historical Spanish Literature.....          | Associate Professor Evers     |
| Teachers' Course in Spanish.....            | Associate Professor Evers     |



## SUMMER SESSION, 1928

S. P. NANNINGA, M. A., Ph. D., Director

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JUNE 5 TO JULY 28, EIGHT WEEKS

College courses may be had in the following Departments:

|                                    |                               |
|------------------------------------|-------------------------------|
| Archaeology and Anthropology       | English                       |
| Art                                | French                        |
| Biology                            | Geography                     |
| Economics                          | History and Political Science |
| Education:                         | Home Economics                |
| School Administration              | Hygiene                       |
| Secondary Education                | Latin                         |
| History of Education               | Mathematics                   |
| Classroom Organization and Control | Music                         |
| Elementary School Curriculum       | Physical Education:           |
| Methods                            | Athletic Coaching             |
| Supervision of Study               | Plays and Games               |
| Tests                              | Swimming                      |
| Intelligence                       | Physics                       |
| Statistics and Measures            | Psychology                    |
| Educational Hygiene                | Spanish                       |
| Educational Psychology             |                               |

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### A Vacation Opportunity

FACULTY includes men and women with credentials of graduate training in leading universities.

RECREATION—Popular lectures. Visits to mountains, Indian villages, and ancient ruins may be made. Out-of-doors swimming pool.

GENERAL FEES, \$12.50 for Session; \$20.00 for non-residents of state; new students must pay matriculation fee of \$5.00.

BOARD AND ROOM ON CAMPUS, \$30.00 to \$37.50 a month. Accommodations are for limited number only. Remit five dollars for advance reservations.

Opportunity for vacation study and recreation in the great "Well Country." Intended for teachers, college students, and adults seeking self-improvement.

Address

REGISTRAR, SUMMER SESSION

University of New Mexico, Albuquerque, New Mexico



# DIRECTORY OF STUDENTS

1927-1928

The following list of names includes all students registered prior to February 29, 1928, during the academic year beginning June 6, 1927, and ending June 4, 1928. This classification is tentative only and is in accordance with the credits earned as of February 1, 1928. No additions for bonuses nor deductions for penalties have been included.

## COLLEGE OF ARTS AND SCIENCES

### FRESHMEN

|                                |                     |
|--------------------------------|---------------------|
| Abelard, Marjorie H.....       | Santa Fe            |
| Adams, Bennie H.....           | Dexter              |
| Alderete, Frances.....         | Albuquerque         |
| Andrick, Fred E.....           | Belen               |
| Bachechi, Carlo.....           | Albuquerque         |
| Baker, Virginia Lee.....       | Roswell             |
| Baldwin, Elizabeth.....        | Albuquerque         |
| Ball, Kenneth L.....           | Albuquerque         |
| Barnett, Lucius F.....         | Albuquerque         |
| Barnhart, Mildred.....         | Albuquerque         |
| Barth, Benjain.....            | Albuquerque         |
| Beasley, Alene.....            | Albuquerque         |
| Black, Janis.....              | Albuquerque         |
| Bowman, Fletcher.....          | Albuquerque         |
| Boyd, Jasper F.....            | Tecumseh, Oklahoma  |
| Branum, Clint A.....           | Carrizozo           |
| Braun, Harold Fairbank.....    | Tucumcari           |
| Bright, Charles A.....         | Albuquerque         |
| Brodie, George H.....          | Oregon City, Oregon |
| Brown, Carroll.....            | Albuquerque         |
| Bustamente, Rose.....          | Albuquerque         |
| Byrne, Lucile F. (Spec.).....  | Chicago, Illinois   |
| Cantelou, Jeanne.....          | Santa Fe            |
| Cartwright, John R.....        | Cimarron            |
| Chapman, Oscar L. (Spec.)..... | Albuquerque         |
| Chaves, Dolores A.....         | Santa Fe            |
| Childers, Mary.....            | Albuquerque         |
| Cifuentes, Fernando.....       | Albuquerque         |
| Clark, Van D.....              | Deming              |
| Clarke, Vioalle I.....         | Albuquerque         |
| Clayton, Mary Grace.....       | Albuquerque         |
| Coe, Roger M.....              | Albuquerque         |
| Colean, Edith.....             | Hillsboro           |
| Cook, Fletcher.....            | Raton               |
| Cotton, Eleanor Mozelle.....   | Valliant, Oklahoma  |
| Cox, Louise.....               | Albuquerque         |
| Craft, James R.....            | Carlsbad            |

|                                 |                        |
|---------------------------------|------------------------|
| Cramer, Helen.....              | Santa Rita             |
| Crist, Elmer P.....             | Springfield, Ohio      |
| Dannel, James Thomas, Jr.....   | Albuquerque            |
| Devine, Paul J.....             | Springer               |
| Dillard, Leila.....             | Carlsbad               |
| Doughtie, Richard.....          | Helena, Arkansas       |
| Draper, Nellie.....             | Albuquerque            |
| Eakin, Cecilia Lee.....         | Albuquerque            |
| Eggleston, Katherine T.....     | Albuquerque            |
| Eichwald, Emma.....             | Cuba                   |
| Espinosa, Louis.....            | Albuquerque            |
| Ferree, Cyrena Jane.....        | Albuquerque            |
| Fisher, Dorothy G.....          | Albuquerque            |
| Flowers, Dorothy P.....         | Carlsbad               |
| Foster, Horace Mannie.....      | Albuquerque            |
| Francis, Josephine.....         | Seboyeta               |
| Frankenfeld, Martha K.....      | Winfield, Kansas       |
| Gardner, Arthur G.....          | New York City          |
| George, Adele.....              | Des Moines             |
| Graham, Edna Helen.....         | Lovington              |
| Grinstead, Juanita.....         | Elida                  |
| Gross, Norman R.....            | Roswell                |
| Guenther, Mabel Lee.....        | El Paso, Texas         |
| Gutierrez, Ofimiano J.....      | Albuquerque            |
| Hancock, William.....           | Albuquerque            |
| Harris, Owen F.....             | Albuquerque            |
| Haymaker, Mary Ellen.....       | Pitcairn, Pennsylvania |
| Heckman, Henrietta Lucille..... | Santa Fe               |
| Herby, Dora.....                | Albuquerque            |
| Herriott, Donald L.....         | Albuquerque            |
| Hervey, Virginia Grace.....     | Albuquerque            |
| Hickman, Charles S.....         | Albuquerque            |
| Hine, Lawrence.....             | Albuquerque            |
| Hix, Dorothy H.....             | Albuquerque            |
| Hobbs, Hulda Ruth.....          | Roswell                |
| Hocker, Joseph H. III.....      | Albuquerque            |
| Homan, Lilburn C.....           | McIntosh               |
| Horne, Everett.....             | Carlsbad               |
| Horton, Esther.....             | Albuquerque            |
| Howden, Margaret.....           | Albuquerque            |
| Howden, William.....            | Albuquerque            |
| Howe, Lousue Clyde.....         | Santa Rita             |
| Hughes, James.....              | Santa Fe               |
| Hughes, Levi Allen, Jr.....     | Santa Fe               |
| Huston, George H.....           | Lovington              |
| Huston, Mildred.....            | Santa Fe               |
| Ingalls, Madge.....             | Roswell                |
| Ingle, Lorine.....              | Grants                 |
| Ivert, Clarence J. (Spec.)..... | Albuquerque            |
| Johnson, Albert L. (Spec.)..... | Maxwell                |
| Johnson, Bessie.....            | Albuquerque            |
| Jones, Mrs. Ala.....            | Albuquerque            |
| Jones, Ima Jean.....            | Hot Springs            |
| Kahnt, Beulah.....              | Albuquerque            |

|                                  |                           |
|----------------------------------|---------------------------|
| Kennedy, Helen LaRue.....        | Albuquerque               |
| Kimball, Fred M.....             | Albuquerque               |
| Kirk, Thelma .....               | Farmington                |
| Koch, Jay .....                  | Albuquerque               |
| Latham, Barbara Ray.....         | Nutt Station              |
| Lawson, Tom L.....               | Tucumcari                 |
| Leggett, Kenneth (Spec.).....    | Albuquerque               |
| Leibold, Clara C.....            | Albuquerque               |
| Lewis, Bessie .....              | Belen                     |
| Long, John Edward.....           | Fierro                    |
| Lucero, Beulah.....              | Albuquerque               |
| Lynch, Mae.....                  | Magdalena                 |
| McCarthy, Helen.....             | Albuquerque               |
| McDowell, Archie.....            | Albuquerque               |
| McGillivray, Jessie Ann.....     | Santa Fe                  |
| McKown, Joe C. (Spec.).....      | Raton                     |
| McMains, Ruth E.....             | Dexter                    |
| McSpadden, Maxine.....           | Albuquerque               |
| MacDougall, Jean.....            | Albuquerque               |
| Mackey, George R.....            | Albuquerque               |
| Mackey, Oliver R.....            | Albuquerque               |
| Magee, Ted .....                 | Albuquerque               |
| Major, Charles LeRoy.....        | San Diego, California     |
| Marcus, Esther R.....            | Albuquerque               |
| Marsalis, Marvel.....            | Grants                    |
| Martinez, Benjamin.....          | Arroyo Hondo              |
| Matteucci, Gino John.....        | Albuquerque               |
| Maxwell, Donald M. (Spec.).....  | New England, North Dakota |
| Moar, Hector.....                | Artesia                   |
| Monahan, Tessie.....             | Albuquerque               |
| Moncus, Ray.....                 | Tucumcari                 |
| Morley, Alice Virginia.....      | Santa Fe                  |
| Morrison, George S.....          | Loving                    |
| Moseley, Paul W.....             | Albuquerque               |
| Moss, Mary Louise.....           | Beckley, West Virginia    |
| Mossman, George .....            | Albuquerque               |
| Mulroy, Katherine.....           | Roswell                   |
| Neatherlin, Loyd L. (Spec.)..... | Tularosa                  |
| Neville, Katherine.....          | Albuquerque               |
| Newhouse, Ann Jane.....          | Chicago, Illinois         |
| Norment, Mary Sadie.....         | Albuquerque               |
| Nye, Kyle.....                   | Albuquerque               |
| O'Connor, Louise.....            | Crown Point               |
| Odle, Edward .....               | Lordsburg                 |
| Oliver, Jewell Emmett.....       | Manzanola, Colorado       |
| Olson, Eleanore .....            | Albuquerque               |
| Overmiller, Lois .....           | Albuquerque               |
| Pacheco, Grace.....              | Albuquerque               |
| Palmer, Charles H. (Spec.).....  | Tucson, Arizona           |
| Patton, J. Max.....              | Gallup                    |
| Paulson, Jerome M.....           | Detroit Lakes, Minnesota  |
| Peipelman, Lannes.....           | Melrose                   |
| Pence, Ned.....                  | Albuquerque               |
| Peverley, Barbara.....           | Belen                     |

|                                  |                           |
|----------------------------------|---------------------------|
| Pilcher, John.....               | Albuquerque               |
| Poland, Bertha May.....          | Albuquerque               |
| Pomerenk, Dorothy.....           | Albuquerque               |
| Prentice, Florence.....          | Tucumcari                 |
| Prude, Anna Belle.....           | Hope                      |
| Reidy, John.....                 | Albuquerque               |
| Reily, Jeanne.....               | Carrizozo                 |
| Rideout, Garland.....            | Artesia                   |
| Riley, Richard Martin.....       | Albuquerque               |
| Riordan, Ralph P.....            | Albuquerque               |
| Ritchie, Jerry.....              | Tularosa                  |
| Rivera, Amos R.....              | Ranches of Taos           |
| Roehl, Charles.....              | Albuquerque               |
| Roehl, Mary.....                 | Albuquerque               |
| Rose Frances Marie.....          | Bellview                  |
| Rowe, Catherine C.....           | Albuquerque               |
| Rummel, Russell B.....           | Peoria, Illinois          |
| Russell, John C.....             | Albuquerque               |
| Sanchez, Carlotta.....           | Albuquerque               |
| Sanchez, George Isidore.....     | Albuquerque               |
| Sanchez, Virgie Romero.....      | Albuquerque               |
| Sandoval, Jose.....              | Albuquerque               |
| Sargent, Hall William.....       | Santa Fe                  |
| Schafer, Mrs. H. R. (Spec.)..... | Albuquerque               |
| Scheele, Elizabeth.....          | Belen                     |
| Schmidt, Margaret.....           | Albuquerque               |
| Scott, Mae.....                  | Albuquerque               |
| Seery, Alfred J.....             | Belen                     |
| Selk, Howard F.....              | Delavan, Illinois         |
| Sell, Clara.....                 | Albuquerque               |
| Sell, Esther.....                | Albuquerque               |
| Shaver, Wilson.....              | Albuquerque               |
| Sherwood, Lucille.....           | Cimarron                  |
| Siegfried, Joseph H.....         | Peoria, Illinois          |
| Smith, Doris M. (Spec.).....     | Albuquerque               |
| Smith, Florence.....             | Thoreau                   |
| Smith, Margaret.....             | Santa Fe                  |
| Solleder, Samuel K.....          | Alhambra, California      |
| Spaulding, Edgar.....            | Albuquerque               |
| Stamps, Arthur.....              | Albuquerque               |
| Stevenson, Lewis M.....          | Albuquerque               |
| Stewart, Virginia.....           | Gallup                    |
| Stirrat, May M.....              | Albuquerque               |
| Stockton, James Earl.....        | Amarillo, Texas           |
| Stuart, Annabelle.....           | Roswell                   |
| Supple, Elizabeth.....           | Albuquerque               |
| Swayne, Florence E.....          | Albuquerque               |
| Swayne, William.....             | Albuquerque               |
| Tate, Clay.....                  | Memphis, Tennessee        |
| Taylor, Eleanor.....             | Albuquerque               |
| Taylor, Jack.....                | Hope                      |
| Terrazas, Juana.....             | Albuquerque               |
| Tessler, Marcia L.....           | Chicago Heights, Illinois |
| Thomas, Aurbery M.....           | Pagosa Springs, Colorado  |

|                                  |                        |
|----------------------------------|------------------------|
| Thomas, Manuel V.....            | Taos                   |
| Todd, George M.....              | Albuquerque            |
| Trammell, Morgan E.....          | Santa Fe               |
| Traylor, Lynda D.....            | Tucumcari              |
| Tucker, Pearle.....              | Governador             |
| Tully, Kivas.....                | Glencoe                |
| Turner, William.....             | Gallup                 |
| Van Lue, Voll E.....             | Albuquerque            |
| Vann, Samuel Lee.....            | Albuquerque            |
| Vaught, Jethro S.....            | Albuquerque            |
| Vivian, Gordon.....              | Albuquerque            |
| Walker, Bertha H.....            | Albuquerque            |
| Walker, Charles S.....           | Albuquerque            |
| Warren, Dan.....                 | Tularosa               |
| Warren, Ruth Gentry.....         | Albuquerque            |
| Warriner, Ann Opal.....          | Gallup                 |
| Watson, Jefferson Finn.....      | Artesia                |
| Weaver, Alda Mae.....            | Dexter                 |
| Weaver, Ethel Marie.....         | Dexter                 |
| Weaver, Jerome B. (Spec.).....   | Sherwood, North Dakota |
| Westfall, Archie.....            | Dexter                 |
| Whistler, Carl.....              | Albuquerque            |
| White, Edna Elizabeth.....       | Albuquerque            |
| Wicker, Mrs. C. V.....           | Albuquerque            |
| Wiley, Marion Amy.....           | Albuquerque            |
| Williamson, Landon Morrelle..... | Albuquerque            |
| Williamson, Margaret.....        | Albuquerque            |
| Wilmot, Paul D.....              | Roswell                |
| Wilson, Eleanor.....             | St. Joseph, Michigan   |
| Wolfe, Dorothy.....              | Albuquerque            |
| Woodard, Horton.....             | Albuquerque            |
| Zace, Eleanor.....               | Albuquerque            |

# SOPHOMORES

|                          |             |
|--------------------------|-------------|
| Amis, Robert.....        | Albuquerque |
| Bambrook, Howard J.....  | Albuquerque |
| Bezemek, Marvin E.....   | Albuquerque |
| Botts, Robert.....       | Albuquerque |
| Brown, Theodore R.....   | Albuquerque |
| Burdell, Georgia.....    | Albuquerque |
| Burks, Garnett R.....    | Albuquerque |
| Burns, Blanche B.....    | Carlsbad    |
| Burt, Nellie S.....      | Albuquerque |
| Calkins, Susan H.....    | Deming      |
| Callahan, Lillie.....    | Clayton     |
| Cisco, Lucille.....      | Nara Visa   |
| Coe, Curtis C.....       | Albuquerque |
| Collister, Margaret..... | Albuquerque |
| Coutler, Dorothy.....    | Albuquerque |
| Cox, Margaret.....       | Albuquerque |
| Crile, Florence E.....   | Roswell     |
| Daily, Dorothy L.....    | Albuquerque |

|                                 |                    |
|---------------------------------|--------------------|
| Davies, Merlyn.....             | Sugarite           |
| Davy, Margaret R.....           | Albuquerque        |
| Dial, Miriam.....               | Albuquerque        |
| Dillard, Anita.....             | Hearne, Texas      |
| Diver, Dorothy F.....           | Dawson             |
| Dolzadelli, John.....           | Albuquerque        |
| Elder, Ned K.....               | Albuquerque        |
| Eller, Marian B.....            | Albuquerque        |
| Faw, Paul F.....                | Amarillo, Texas    |
| Fee, Rebecca.....               | Albuquerque        |
| Fitzgerald, Ora.....            | Albuquerque        |
| Foster, Eudora.....             | Roswell            |
| Frazer, Julia H.....            | Dawson             |
| French, Evelyn.....             | Carrizozo          |
| Garcia, Zulemma.....            | Albuquerque        |
| Gilbert, Robert S. (Spec.)..... | Albuquerque        |
| Gillespie, Anna W.....          | Raton              |
| Giomi, Lenore Branson.....      | Thoreau            |
| Gonzales, Eugenio.....          | Santa Fe           |
| Good, Pete.....                 | Frankfort, Indiana |
| Goodart, Lela.....              | Roswell            |
| Grammer, Maurine P.....         | Albuquerque        |
| Hendon, Telfair.....            | Albuquerque        |
| Hervey, Ruth.....               | Albuquerque        |
| Hickok, Kathleen M.....         | Ulysses, Kansas    |
| Holbrook, Carey McKinley.....   | Bernalillo         |
| Holloman, Elizabeth B.....      | Santa Fe           |
| Jernigan, Leonard W.....        | Artesia            |
| Johnson, Jessie.....            | Albuquerque        |
| Jones, Dale M.....              | Albuquerque        |
| Kelcher, Julia M.....           | Albuquerque        |
| Koury, Albena.....              | Albuquerque        |
| Lathrop, Eugene G.....          | Dexter             |
| Lathrop, Ruth C.....            | Albuquerque        |
| Leese, Elzadie A.....           | Albuquerque        |
| Leone, Oliver Q.....            | Gallup             |
| Lopez, Alfredo F.....           | Carrizozo          |
| Love, Ruth S.....               | Clyde, Ohio        |
| Lujan, Felicitas A.....         | Albuquerque        |
| McDonald, Alva Bro.....         | El Reno, Oklahoma  |
| McRae, Bruce.....               | Albuquerque        |
| Malone, Lawrence M.....         | Albuquerque        |
| Mann, Louise.....               | Albuquerque        |
| Matthew, Janet.....             | Albuquerque        |
| Miller, Rosealda.....           | Albuquerque        |
| Monk, Harriet.....              | Albuquerque        |
| Montgomery, Gertrude.....       | Tucumcari          |
| Morgan, Ruth E.....             | Alamogordo         |
| Morrison, Paul.....             | Loving             |
| Mulroney, Jane.....             | Albuquerque        |
| Nicholas, Katherine.....        | Magdalena          |
| Nohl, Frederick.....            | Albuquerque        |
| Nolting, Nell (Spec.).....      | Albuquerque        |
| Oliphant, Homer Newton.....     | Frankfort, Indiana |



|                                 |                    |
|---------------------------------|--------------------|
| Osuna, Benjamin .....           | Albuquerque        |
| Osuna, Thomas R. ....           | Albuquerque        |
| Owens, Auth Elaine .....        | Albuquerque        |
| Parkhurst, Eleanor Myrtle ..... | Albuquerque        |
| Perce, Myrtle Aldine .....      | Albuquerque        |
| Pettit, Bob .....               | Albuquerque        |
| Pinard, Isabel .....            | Albuquerque        |
| Quintana, Irene .....           | Santa Fe           |
| Rankin, Jessie May .....        | Stanley            |
| Redle, Marion .....             | Missoula, Montana  |
| Redmond, Ike .....              | Albuquerque        |
| Reeves, Jesse Whit .....        | Pryor, Oklahoma    |
| Schupp, Ona E. ....             | Albuquerque        |
| Severns, Ellen .....            | Albuquerque        |
| Seyfirt, Wanda Paulson .....    | Albuquerque        |
| Sharp, Jeffie .....             | Albuquerque        |
| Shattuck, Floyd L. ....         | Carlsbad           |
| Shipp, Totsy .....              | Lovington          |
| Shortle, Margaret B. ....       | Albuquerque        |
| Sill, Thera Mae .....           | Albuquerque        |
| Simmons, Mary E. ....           | Magdalena          |
| Stamm, Winifred .....           | Albuquerque        |
| Stamper, Elbridge .....         | Paducah, Kentucky  |
| Stevens, Claire Elizabeth ..... | Albuquerque        |
| Stinnett, Rufus .....           | Portales           |
| Stortz, Frank .....             | Albuquerque        |
| Strumquist, Niles (Spec.) ..... | Albuquerque        |
| Stuart, Raymond .....           | Roswell            |
| Stubbs, Helen .....             | Albuquerque        |
| Thompson, Jay B. ....           | Los Lunas          |
| Thompson, William .....         | Los Lunas          |
| Van Doren, Hazel .....          | Roswell            |
| Vann, Richard .....             | Albuquerque        |
| Wallace, James B. ....          | Carlsbad           |
| Walsh, Laurence .....           | Raton              |
| Walsh, Thomas .....             | Raton              |
| Watkins, William A. ....        | Dodge City, Kansas |
| Watson, Neil .....              | Albuquerque        |
| Webb, Gerald P. (Spec.) .....   | Albuquerque        |
| Webb, James S. ....             | Albuquerque        |
| Whisnant, Pearl .....           | Albuquerque        |
| White, Mary Elizabeth .....     | Albuquerque        |
| Whitmore, John E. ....          | Tucumcari          |
| Willis, Henrietta .....         | Santa Fe           |
| Willson, James D. ....          | Gallup             |
| Wilson, Robert W. ....          | Albuquerque        |
| Yearout, Cecilia .....          | Albuquerque        |

# JUNIORS

|                        |             |
|------------------------|-------------|
| Allport, Eleanor ..... | Albuquerque |
| Arledge, Richard ..... | Albuquerque |
| Ball, Myrl W. ....     | Albuquerque |

|                                  |                         |
|----------------------------------|-------------------------|
| Balling, Marie G.....            | Albuquerque             |
| Barker, Doris M.....             | Santa Fe                |
| Benjamin, Dolores.....           | Albuquerque             |
| Black, Gladys.....               | Albuquerque             |
| Blackburn, Henry.....            | Bowling Green, Kentucky |
| Brewer, Gertrude.....            | Albuquerque             |
| Bruce, Richard A.....            | Vaughn                  |
| Bryson, Jessie E.....            | Cornland, Illinois      |
| Burdell, Frances Isabel.....     | Albuquerque             |
| Bursum, Holm O., Jr.....         | Socorro                 |
| Campbell, William.....           | Albuquerque             |
| Chapin, Stuart H.....            | Green, New York         |
| Clark, Catherine.....            | Albuquerque             |
| Cook, Margaret.....              | Albuquerque             |
| Cook, Sarah Louise.....          | Albuquerque             |
| Cooper, Emogene (Spec.).....     | Albuquerque             |
| Corbett, Nathalie Alexandre..... | Albuquerque             |
| Craven, Harry B.....             | East Las Vegas          |
| Davidson, Harriet C.....         | Columbus, Georgia       |
| DeGryse, William G.....          | Albuquerque             |
| Devine, Tom.....                 | Springer                |
| Dilley, Rita.....                | Carlsbad                |
| Dorris, Gladys.....              | Albuquerque             |
| Dunton, Vivian.....              | Albuquerque             |
| Eastin, Alma Virginia.....       | Boulder, Colorado       |
| Erlandson, Ethel Elizabeth.....  | Albuquerque             |
| Fisher, Bob.....                 | Albuquerque             |
| Flynn, William J.....            | Albuquerque             |
| Foraker, Creighton.....          | Albuquerque             |
| Foraker, Margaret.....           | Albuquerque             |
| Forkner, Margaret Pearce.....    | Dawson                  |
| Gallier, Ted.....                | Albuquerque             |
| Gere, Russell S.....             | Albuquerque             |
| Giesler, Rosamond R.....         | Albuquerque             |
| Goelitz, Margaret Louise.....    | Albuquerque             |
| Gonzalez, Jennie Marcella.....   | Albuquerque             |
| Graham, Mary Louise.....         | Lovington               |
| Grose, Irvin R.....              | Glendale, California    |
| Hammond, Henry Paul.....         | Albuquerque             |
| Henry, Harriett P.....           | Albuquerque             |
| Herkenhoff, Eunice E.....        | Albuquerque             |
| Hitson, Margaret.....            | Carlsbad                |
| Houp, Helyn Ruth.....            | Albuquerque             |
| Howard, Leona Lucille.....       | Albuquerque             |
| Hust, Harry.....                 | Albuquerque             |
| Hutchison, Mildred.....          | Albuquerque             |
| Hyde, Herbert R.....             | Albuquerque             |
| Jones, Gladys Fay.....           | Albuquerque             |
| Jones, Pauline.....              | Tuckerman, Arkansas     |
| Joyce, Sofia Y.....              | Albuquerque             |
| Judy, Virgil J.....              | Albuquerque             |
| Kay, Ruth Margaret.....          | Albuquerque             |
| Kerr, Walter E.....              | Springer                |
| King, Carrie E.....              | Santa Fe                |

|                               |                          |
|-------------------------------|--------------------------|
| King, Eleanor.....            | Santa Fe                 |
| Landolt, Velma Kathryn.....   | Freeport, Illinois       |
| Leak, Louise Burton.....      | Albuquerque              |
| Lybarger, Edna L. Miller..... | Albuquerque              |
| McFarland, Jack.....          | Albuquerque              |
| McIntyre, Maude M.....        | Albuquerque              |
| McKnight, Dorothy Mae.....    | East Las Vegas           |
| Macleod, Norman W.....        | Iowa City, Iowa          |
| Mauger, Harry.....            | Albuquerque              |
| Milne, John Lawrence.....     | Albuquerque              |
| Moore, Billie M.....          | Sofia                    |
| Moore, Thomas E.....          | Gallup                   |
| Offield, Irvan T.....         | Albuquerque              |
| Olson, Alice.....             | Albuquerque              |
| Olson, Mabel.....             | Albuquerque              |
| Patton, William Henry.....    | Clovis                   |
| Pettit, Lenore.....           | Albuquerque              |
| Peverley, Carlos.....         | Belen                    |
| Pomerenk, May Edith.....      | Albuquerque              |
| Pooler, Mrs. Lolita H.....    | Albuquerque              |
| Ream, Ann McGuire.....        | Albuquerque              |
| Rusk, Vera J.....             | Carrington, North Dakota |
| Schafer, Howard R.....        | Albuquerque              |
| Shaver, Christine.....        | Albuquerque              |
| Sieglitz, Ellis H.....        | Albuquerque              |
| Spillers, Eula B.....         | Albuquerque              |
| Spillers, Lena.....           | Albuquerque              |
| Stansifer, Helen.....         | Albuquerque              |
| Ullrich, Leon W.....          | Roswell                  |
| Watson, Jack.....             | Santa Fe                 |
| Wells, Mabel L.....           | Albuquerque              |
| Wilkerson, Tom N., Jr.....    | Albuquerque              |
| Williamson, Katherine.....    | Albuquerque              |
| Wortman, Ervin T.....         | Albuquerque              |
| Wortmann, Emmy.....           | Peralta                  |

## SENIORS

|                              |                        |
|------------------------------|------------------------|
| Adams, Thelma.....           | Albuquerque            |
| Appleby, Forest.....         | Fort Worth, Texas      |
| Armstrong, Geard B., Jr..... | Albuquerque            |
| Bass, Elvin B.....           | Santa Fe               |
| Black, Loraine L.....        | Green Valley, Illinois |
| Bliss, Mildred.....          | Albuquerque            |
| Bowen, Maynard L.....        | Albuquerque            |
| Bricker, Kenneth.....        | Albuquerque            |
| Brodie, Raymond A.....       | Gallup                 |
| Brown, Rose M.....           | Albuquerque            |
| Burns, Barney T., Jr.....    | Carlsbad               |
| Campa, Arthur L.....         | Albuquerque            |
| Clark, Ted F.....            | Albuquerque            |
| Cleveland, Clyde.....        | Albuquerque            |
| Conner, Georgina.....        | Roswell                |

|                                 |                        |
|---------------------------------|------------------------|
| Corbett, James Bryson.....      | Albuquerque            |
| Crile, Winifred Lucille.....    | Roswell                |
| Edwards, Janet Virginia.....    | Albuquerque            |
| Eells, Letitia F.....           | Albuquerque            |
| Eilers, Harrison.....           | Albuquerque            |
| Enderlin, Katherine.....        | Albuquerque            |
| Fall, Robert W.....             | Roswell                |
| Forgotson, Katharine Owen.....  | Albuquerque            |
| Gallagher, Katie.....           | Eldridge, Alabama      |
| Gonzalez, Amalia C.....         | Armijo                 |
| Goodart, Ellen.....             | Roswell                |
| Goodwin, Sam S.....             | Albuquerque            |
| Harper, Blanche W.....          | Jemez                  |
| Haymaker, Amy Elizabeth.....    | Roswell                |
| Hext, Howard A.....             | Albuquerque            |
| Hubbell, Louise M.....          | Albuquerque            |
| Hurley, Loreen Inez.....        | Tucumcari              |
| Kay, Helen.....                 | Albuquerque            |
| Kennedy, Cleopha.....           | Albuquerque            |
| Klyng, Charlotte.....           | Roswell                |
| Kool, Albert R.....             | Albuquerque            |
| Long, Malcolm L.....            | Albuquerque            |
| McCann, Edward G.....           | Albuquerque            |
| McCraney, Germaine P.....       | Baton Rouge, Louisiana |
| McManus, Virginia.....          | Albuquerque            |
| McRae, Louis A., Jr.....        | Albuquerque            |
| Mapes, Ellen Herron.....        | Albuquerque            |
| Marquez, Libradita.....         | Albuquerque            |
| Montoya, Annie F.....           | Albuquerque            |
| Montoya, Katherine F.....       | Albuquerque            |
| Muncy, Auburn H.....            | Amarillo, Texas        |
| O'Brien, Max.....               | Raton                  |
| Odle, Alpha.....                | Farmington             |
| Reardon, William B.....         | Albuquerque            |
| Raillard, Leona Marie.....      | Gallup                 |
| Reidy, Marcella.....            | Albuquerque            |
| Renfro, Charles F.....          | Albuquerque            |
| Rhoades, Nell Snyder.....       | Albuquerque            |
| Ruoff, Robert M.....            | Albuquerque            |
| Salazar, Adriano R.....         | Albuquerque            |
| Simpson, Elizabeth P.....       | Albuquerque            |
| Spade, Irene L.....             | Clovis                 |
| Spencer, Margaret L.....        | Estancia               |
| Sterrett, Susanna Arabella..... | Albuquerque            |
| Stevenson, Moynelle.....        | Albuquerque            |
| Stubbs, Stanley A.....          | Albuquerque            |
| Thomas, Barber-Nell.....        | Carlsbad               |
| Weaver, Mabel M.....            | Albuquerque            |
| Willhite, June.....             | Albuquerque            |
| Zimmer, Norbert W.....          | Albuquerque            |

# COLLEGE OF ENGINEERING

## FRESHMEN

|                            |                         |
|----------------------------|-------------------------|
| Abbott, W. I. (Spec.)      | Albuquerque             |
| Baird, Ellsworth           | Amarillo, Texas         |
| Bangerter, Harry G.        | Clayton                 |
| Barker, Charlie B., Jr.    | Santa Fe                |
| Bostick, Walter E.         | Portales                |
| Calderwood, Alvin C.       | Albuquerque             |
| Caldwell, Remington        | Springer                |
| Carter, Rufus H., Jr.      | Albuquerque             |
| Chavez, Joseph             | Albuquerque             |
| Deck, Harold               | Dexter                  |
| English, Don B.            | Carrizozo               |
| Errow, Joe B.              | Deming                  |
| Garing, Fred G.            | Albuquerque             |
| Gomez, Claude J.           | Albuquerque             |
| Hanes, Russell             | Springfield, Ohio       |
| Harris, Robert             | Albuquerque             |
| Henderson, Roy Lee (Spec.) | Tularosa                |
| Huffine, William B.        | Raton                   |
| Johnson, Leonard           | Maxwell                 |
| King, Walter E.            | Gallup                  |
| McCain, Louis H.           | Atwood, Kansas          |
| McCraw, James L.           | Albuquerque             |
| Martin, William Allen      | Clovis                  |
| Mulroy, Harry C.           | Roswell                 |
| Munn, Hugh                 | Albuquerque             |
| Mutz, John L. (Spec.)      | Elizabethtown           |
| Nuanes, Juan               | Albuquerque             |
| Oswald, Charles E.         | Pitman, New Jersey      |
| Patty, Harold Franklin     | Carlsbad                |
| Pelatoski, Stanley M.      | West Haven, Connecticut |
| Perce, Marion A.           | Albuquerque             |
| Peters, Lawrence Fyfe      | Albuquerque             |
| Posey, Rollah P.           | Tularosa                |
| Proebstel, John Kyle       | Santa Fe                |
| Root, Lindsay F.           | Albuquerque             |
| Sadler, James E.           | Albuquerque             |
| Sandoval, Epitacio         | Albuquerque             |
| Seery, James D.            | Belen                   |
| Shields, Wesley Dayton     | Albuquerque             |
| Smith, Burton L.           | Santa Fe                |
| Spahr, Richard             | Albuquerque             |
| Sperling, Lewis M.         | Kansas City, Missouri   |
| Wehmhoner, Martin          | Deming                  |
| Wilson, William            | Gallup                  |
| Yates, Thurman             | Gallup                  |

## SOPHOMORES

|                    |             |
|--------------------|-------------|
| Balzer, Jacob      | Albuquerque |
| Barrows, Wilbur R. | Carlsbad    |

|                             |                       |
|-----------------------------|-----------------------|
| Bisbee, Wallace A.....      | Bristow, Oklahoma     |
| Blair, Sam B.....           | Albuquerque           |
| Boyd, George G.....         | Deming                |
| Cantelou, Louis D.....      | Albuquerque           |
| Cline, Jack.....            | Albuquerque           |
| Crist, Robert A.....        | Albuquerque           |
| Eatinger, Wilbur L.....     | Albuquerque           |
| Fish, Jack.....             | Hollywood, California |
| French, Baird Miller.....   | Carrizozo             |
| Henderson, Carl E.....      | Carlsbad              |
| McDowell, Lawrence E.....   | Albuquerque           |
| Miller, Homer I.....        | Hollywood, California |
| Mitchell, David Boal.....   | Albuquerque           |
| Mudgett, William L.....     | Albuquerque           |
| Palmer, Robert S.....       | Alamogordo            |
| Phillips, Homer Neil.....   | Albuquerque           |
| Sikes, Rex.....             | Luverne, Alabama      |
| Smith, William Bernice..... | Albuquerque           |
| Thomas, Paul I.....         | Hillside, New Jersey  |
| Wilson, Wilbur.....         | Albuquerque           |
| Wylie, Marshal J.....       | Allison               |

## JUNIORS

|                             |                           |
|-----------------------------|---------------------------|
| Bailes, Joseph Murray.....  | Fort Mill, South Carolina |
| Brown, Vollie G.....        | Albuquerque               |
| Carden, Leo F.....          | San Jon                   |
| Crawford, James G.....      | Albuquerque               |
| Dietzman, John R.....       | Tucumcari                 |
| Fricke, Frederick.....      | Albuquerque               |
| Hook, George H.....         | Albuquerque               |
| Key, John C.....            | San Marcial               |
| Luthey, Forrest Nathan..... | Albuquerque               |
| McDonald, Charlie.....      | Albuquerque               |
| Neal, Frank W.....          | Roswell                   |
| Pyle, Fred M.....           | Albuquerque               |
| Reed, William.....          | Albuquerque               |
| Sutherland, Andrew.....     | Albuquerque               |
| Tully, James V., Jr.....    | Glencoe                   |

## SENIORS

|                        |                |
|------------------------|----------------|
| Allen, Charles M.....  | Troy, Ohio     |
| Bryce, Arthur.....     | Albuquerque    |
| Crosno, Donald.....    | Albuquerque    |
| Dukeminier, Ray.....   | East Las Vegas |
| French, Jesse.....     | Albuquerque    |
| Jenkins, Robert D..... | Albuquerque    |
| Kelley, Buster.....    | Albuquerque    |

# GRADUATE DIVISION

## COLLEGE OF ARTS AND SCIENCES

|                                 |             |
|---------------------------------|-------------|
| Barnhart, Mrs. C. A.....        | Albuquerque |
| Calkins, Fred M.....            | Albuquerque |
| Campa, David L.....             | Albuquerque |
| Crosno, Maude.....              | Albuquerque |
| Eilers, Dorothy.....            | Albuquerque |
| Hanks, Lenore Virginia.....     | Albuquerque |
| Hogrefe, Harry.....             | Albuquerque |
| McClure, Carolyn V.....         | Albuquerque |
| Mapes, Riley Edwin.....         | Albuquerque |
| Nathan, David S.....            | Albuquerque |
| Neel, Gladys M.....             | Aztec       |
| Palm, Rufus A.....              | Santa Fe    |
| Reeve, Frank D.....             | Albuquerque |
| Seyfried, John E.....           | Albuquerque |
| Shamberger, Mrs. Elizabeth..... | Albuquerque |
| Shepard, Madge.....             | Albuquerque |
| Warnshuis, Ruth H.....          | Albuquerque |
| Yuill, Gay Reaves.....          | Albuquerque |

## COLLEGE OF ENGINEERING

|                        |             |
|------------------------|-------------|
| Short, Fletcher L..... | Albuquerque |
|------------------------|-------------|

# UNCLASSIFIED SPECIAL STUDENTS

|                                |                    |
|--------------------------------|--------------------|
| Arledge, Mrs. Ellen.....       | Albuquerque        |
| Armijo, Ernestine A.....       | Albuquerque        |
| Blize, Mary Faye.....          | Albuquerque        |
| Borland, Glenn W.....          | Albuquerque        |
| Bower, Bertha Lee.....         | Albuquerque        |
| Brooks, Audrey Lois.....       | Albuquerque        |
| Brown, Alice G.....            | Detroit, Michigan  |
| Burke, Irene M.....            | Albuquerque        |
| Carleton, Edmund V.....        | Albuquerque        |
| Carter, Diana B.....           | Albuquerque        |
| Chadbourn, Mrs. Elizabeth..... | Albuquerque        |
| Chess, Flora E.....            | Albuquerque        |
| Clayton, Edmund.....           | Albuquerque        |
| Coan, Mary Wright.....         | Albuquerque        |
| Coe, Eben.....                 | Albuquerque        |
| Cuppy, Sister Mary Inez.....   | Albuquerque        |
| Dees, Margaret.....            | Albuquerque        |
| Diefendorf, May F.....         | Albuquerque        |
| Dozier, Louise.....            | Albuquerque        |
| Drash, J. Wayne.....           | Albuquerque        |
| Dunlap, Richard C.....         | Osawatomie, Kansas |
| Edwards, Mary Elizabeth.....   | Albuquerque        |
| Ellison, Melvin R.....         | Albuquerque        |

|                                    |                       |
|------------------------------------|-----------------------|
| Faircloth, Kathryn.....            | Santa Rosa            |
| Finn, Jennie B.....                | Albuquerque           |
| Fitzgerald, Mary.....              | Albuquerque           |
| Gerhardt, Charles.....             | Albuquerque           |
| Gerhardt, Elvira.....              | Albuquerque           |
| Gonzales, Adolfo C.....            | Albuquerque           |
| Gratton, Vesta L.....              | Albuquerque           |
| Graham, Nelle Audra.....           | Albuquerque           |
| Greene, Dorothy.....               | Little Rock, Arkansas |
| Griego, Adele.....                 | Albuquerque           |
| Gutierrez, Veneranda A.....        | Albuquerque           |
| Hannett, Louise W.....             | Albuquerque           |
| Hill, Elizabeth R.....             | Albuquerque           |
| Hitchens, Lester.....              | El Paso, Texas        |
| Hocker, Katherine Ann.....         | Albuquerque           |
| ✓ Holmes, Rhoda.....               | Albuquerque           |
| Horton, Alma.....                  | Albuquerque           |
| Hoyt, Sister Mary Aniceta.....     | Albuquerque           |
| Johnson, Trixie.....               | Albuquerque           |
| Kassing, Jessie.....               | Albuquerque           |
| Kerr, Nannie.....                  | Albuquerque           |
| King, Thelma.....                  | Albuquerque           |
| Lane, Jean.....                    | Mobile, Alabama       |
| Leedy, Ethol W.....                | Albuquerque           |
| Lewis, William Gordon (Engr.)..... | The Plains, Virginia  |
| Long, Loraine B.;.....             | Albuquerque           |
| Lynch, Eleanor.....                | Albuquerque           |
| Lynch, Esther.....                 | Albuquerque           |
| McConnell, Ruth E.....             | Albuquerque           |
| McGowan, Gertrude.....             | Albuquerque           |
| Malone, Max G.....                 | Albuquerque           |
| Milne, John.....                   | Albuquerque           |
| O'Hara, Helen.....                 | Albuquerque           |
| Rael, Albinita Page.....           | Albuquerque           |
| Reid, Iola.....                    | Albuquerque           |
| Reiter, Anna.....                  | Albuquerque           |
| Riedemann, Mrs. James H.....       | Albuquerque           |
| Ringling, Edith.....               | Albuquerque           |
| Risser, Anna.....                  | Albuquerque           |
| Rockwood, Mrs. R. S.....           | Albuquerque           |
| Schmidt, Carolyn.....              | Albuquerque           |
| Schroeder, Erna.....               | Albuquerque           |
| Sininger, Harlan.....              | Albuquerque           |
| Snyder, Sister Mary Sylvia.....    | Albuquerque           |
| Spies, Hilda F.....                | Albuquerque           |
| Tessler, Adelaide Rose.....        | Chicago, Illinois     |
| Thompson, Winifred.....            | Albuquerque           |
| Tireman, Mrs. L. S.....            | Albuquerque           |
| Turner, Ada.....                   | Albuquerque           |
| Turner, Virginia.....              | Albuquerque           |
| Weil, Mrs. Ellen E.....            | Albuquerque           |
| Wells, Lorena.....                 | Old Albuquerque       |
| Wentworth, Kenneth.....            | Albuquerque           |



# EXTENSION DIVISION

## REGULAR CLASSES

|                                  |             |
|----------------------------------|-------------|
| Allen, James L.....              | Farmington  |
| Brewington, Dr. Margaret.....    | Albuquerque |
| Butler, George L.....            | Farmington  |
| Butler, Mayhethlyn.....          | Farmington  |
| Carey, Gladys.....               | Socorro     |
| Chambon, Marie.....              | Socorro     |
| Chavez, Adolfo.....              | Socorro     |
| Chavez, Luz.....                 | Socorro     |
| Cheeseman, Marian I.....         | Farmington  |
| Crespin, J. C.....               | Socorro     |
| Donnell, Mrs. P. S.....          | Albuquerque |
| Easley, James I.....             | Albuquerque |
| Easley, Mrs. Marguerite B.....   | Albuquerque |
| Enloe, Enoch.....                | Socorro     |
| Fleischer, Juliette.....         | Albuquerque |
| Gallegos, Benceslao.....         | Socorro     |
| Gonzales, Eduvigis.....          | Socorro     |
| Gonzales, Sally.....             | Socorro     |
| Greenfield, Myrtle.....          | Albuquerque |
| Haddock, Pearl V.....            | Socorro     |
| Harris, Delia L.....             | Socorro     |
| Henry, Emma E.....               | Albuquerque |
| Hickey, Mayo E.....              | Albuquerque |
| Hickey, Mrs. M. E.....           | Albuquerque |
| Hope, Dr. W. G.....              | Albuquerque |
| Jaramillo, Filbert.....          | Socorro     |
| Lopez, Andres.....               | Socorro     |
| Lopez, Pedro.....                | Socorro     |
| May, Lois.....                   | Farmington  |
| Nelson, Mrs. Dorothy.....        | Farmington  |
| Nordhaus, Mrs. Bertha S.....     | Albuquerque |
| Rickets, Orval.....              | Farmington  |
| Schlamer, Mrs. Homer.....        | Albuquerque |
| Sewell, Burhen.....              | Farmington  |
| Smith, Ralph.....                | Farmington  |
| Stapleton, Ernest.....           | Socorro     |
| Straw, Alma.....                 | Socorro     |
| Strumquist, Mrs. Anna Wilds..... | Albuquerque |
| Sturgeon, Kate.....              | Albuquerque |
| Terry, Mrs. Mary F.....          | Socorro     |
| Torres, Edward E.....            | Socorro     |
| Ullery, Bessie.....              | Farmington  |
| Vigil, Bernardo J.....           | Socorro     |
| Vigil, Catarino.....             | Socorro     |

## CORRESPONDENCE SECTION

|                             |          |
|-----------------------------|----------|
| Abreu, Mrs. Margaret B..... | Springer |
| Ayala, Anita.....           | Domingo  |

|  |                    |
|--|--------------------|
| Campbell, Marguerite.....                            | Lindrith           |
| Carrillo, Flora.....                                 | Chamita            |
| Clark, Wanda.....                                    | Albuquerque        |
| Dalbey, Mrs. Dayton E.....                           | Albuquerque        |
| Dillon, Virginia J.....                              | Hagan              |
| Grammer, Maurine (also listed as A. & S. Soph.)..... | Albuquerque        |
| Imhoff, Birda.....                                   | Escabosa           |
| Keefe, W. Weldron.....                               | Lovington          |
| Kimbrough, Ina Evelyn.....                           | Albuquerque        |
| McFatter, Caroline E.....                            | Deming             |
| McMillen, Wilma Lee.....                             | Sandoval           |
| Nash, Stella Evelyn.....                             | Clarkdale, Arizona |
| Scheele, Anita.....                                  | Belen              |
| Shanks, Lillian.....                                 | Albuquerque        |
| Vigil, Aurora.....                                   | San Marcial        |
| Yarbrough, George S.....                             | Bueyeros           |

## SUMMER SESSION

1927

|                               |             |
|-------------------------------|-------------|
| Adams, Thelma.....            | Albuquerque |
| Aguirre, Elfida.....          | Socorro     |
| Alarid, Rubie.....            | Santa Fe    |
| Allport, Eleanor Hilah.....   | Albuquerque |
| Amis, Robert.....             | Albuquerque |
| Anderson, Lavelma.....        | Tularosa    |
| Anderson, Margaret B.....     | Albuquerque |
| Andrews, Flora J.....         | Albuquerque |
| Aragon, Cleotilde.....        | Albuquerque |
| Aragon, Irene.....            | Albuquerque |
| Arellano, Eloisa.....         | Albuquerque |
| Armijo, Josephine.....        | Albuquerque |
| Armijo, Rebecca.....          | Albuquerque |
| Arozena, Rosa T.....          | Domingo     |
| Atencio, Julia.....           | Albuquerque |
| Atherton, Grace.....          | Albuquerque |
| Ayala, Anita.....             | Albuquerque |
| Baca, Chonita.....            | Albuquerque |
| Baca, Dolores Aguirre.....    | Socorro     |
| Bambook, Howard John.....     | Albuquerque |
| Barela, Rachael.....          | Albuquerque |
| Barnhart, Clara Thielbar..... | Albuquerque |
| Bell, Mary Audrey.....        | Albuquerque |
| Bezemek, Marvin Edward.....   | Albuquerque |
| Bigger, Mildred M.....        | Moriarty    |
| Black, Gladys.....            | Albuquerque |
| Bliss, Mildred Louise.....    | Albuquerque |
| Bobo, Irma Grow.....          | Albuquerque |
| Boone, Evelyn S.....          | El Paso     |
| Brooks, Audrey Lois.....      | Albuquerque |
| Brown, Blanche.....           | Acomita     |
| Brown, Mrs. Cora R.....       | Albuquerque |

|                                  |                  |
|----------------------------------|------------------|
| Brown, Jennie Mae.....           | Bellview         |
| Brown, Katherine Diana.....      | Gallup           |
| Brown, Rose.....                 | Albuquerque      |
| Brown, Ruth.....                 | Albuquerque      |
| Bruington, Teressa.....          | Maxwell          |
| Buck, Winnie Stover.....         | Albuquerque      |
| Burcham, Carl.....               | Albuquerque      |
| Burke, Irene M.....              | Albuquerque      |
| Burns, Blanche.....              | Carlsbad         |
| Burt, Nellie Sadie.....          | Albuquerque      |
| Bustamante, Rose.....            | Albuquerque      |
| Calkins, Fred Myron.....         | Albuquerque      |
| Campbell, Marguerite.....        | Lindrieth        |
| Candelaria, Emilia.....          | Armijo           |
| Candelaria, Ignacio.....         | Los Candelarias  |
| Candelaria, Josephine.....       | Old Albuquerque  |
| Canfield, Mrs. Bertha D.....     | Albuquerque      |
| Carrillo, Flora Amelia.....      | Albuquerque      |
| Carter, Catherine.....           | Albuquerque      |
| Castillo, Margaret Diaz.....     | Albuquerque      |
| Chacon, Anna S.....              | Albuquerque      |
| Chacon, Beatrice H.....          | Albuquerque      |
| Chadwick, Marcia Amelia.....     | Albuquerque      |
| Chavez, Jose.....                | Albuquerque      |
| Chavez, Luz.....                 | Galisteo         |
| Chavez, Rosaria.....             | Galisteo         |
| Clayton, Laura B.....            | Mangum, Oklahoma |
| Coats, Dorothy.....              | Albuquerque      |
| Collings, Laura Whittemore.....  | Cubero           |
| Cone, Carrie.....                | Hope             |
| Conlee, Carl Samuel.....         | Cimarron         |
| Conley, Vernita.....             | Albuquerque      |
| Cook, Sarah Louise.....          | Albuquerque      |
| Conway, Carroll H.....           | Hollene          |
| Copeland, Anna.....              | Albuquerque      |
| Corbett, Nathalie Alexandre..... | Albuquerque      |
| Corbin, Anna Katharine.....      | Hill             |
| Corbin, Eudora.....              | Hill             |
| Corcoran, Margaret.....          | Albuquerque      |
| Costales, Dionisio.....          | Albuquerque      |
| Costales, Edelmira.....          | Albuquerque      |
| Coulter, Dorothy R.....          | Albuquerque      |
| Cowan, Mary Jane.....            | Albuquerque      |
| Cox, Louise.....                 | Albuquerque      |
| Cox, Mannie Lee.....             | Albuquerque      |
| Cox, Margaret.....               | Albuquerque      |
| Craft, Ruth Emma.....            | Albuquerque      |
| Crespin, J. C.....               | Socorro          |
| Crowder, Althea.....             | Krebs, Oklahoma  |
| Cullers, Lucille.....            | Albuquerque      |
| Dillon, Florence.....            | Albuquerque      |
| Dressler, Lola.....              | Mountainair      |
| Dixon, Saverne.....              | Albuquerque      |
| Dolzadelli, Lena.....            | Albuquerque      |

|                                 |                    |
|---------------------------------|--------------------|
| Dailey, Edyth Greer.....        | Mentmore           |
| Daley, Lupe Norman.....         | Grants             |
| Daley, S. R.....                | Grants             |
| Davis, Edna.....                | Albuquerque        |
| Davis, Scottie Elizabeth.....   | Albuquerque        |
| Davy, Margaret.....             | Albuquerque        |
| Devine, Tom.....                | Springer           |
| Delgado, Mrs. Gertrude.....     | Belen              |
| Dees, Margaret.....             | Albuquerque        |
| Diaz, Margaret.....             | Albuquerque        |
| Elliott, Lindy Edith.....       | Albuquerque        |
| Eells, Letitia.....             | Albuquerque        |
| Erlandson, Ethel Elizabeth..... | Albuquerque        |
| Farley, Myra Clymer.....        | Moriarty           |
| Feigerle, Teresa.....           | Albuquerque        |
| Ferrall, Charlotte.....         | Albuquerque        |
| Ferrall, Sarah.....             | Albuquerque        |
| Fickinger, Paul.....            | Tularosa           |
| Fifield, Effie.....             | Albuquerque        |
| Foraker, Mary Louise.....       | Albuquerque        |
| Fox, Nancy Lee.....             | Albuquerque        |
| Francis, Josephine.....         | Seboyeta           |
| Freed, Ethel.....               | Albuquerque        |
| Gable, Bernice.....             | Clovis             |
| Gallagher, Clara.....           | Albuquerque        |
| Gallagher, Katie.....           | Albuquerque        |
| Garcia, Boleslo.....            | Polvadera          |
| Garcia, Cecelia.....            | Atarque            |
| Garcia, Dolores.....            | Albuquerque        |
| Garcia, Eva.....                | Albuquerque        |
| Garcia, Inez.....               | Albuquerque        |
| Gerhardt, Charles.....          | Albuquerque        |
| Gerhardt, Elvira.....           | Albuquerque        |
| Giesler, Rosamond.....          | Albuquerque        |
| Gilbert, Doris Irene.....       | Albuquerque        |
| Gonzales, Eduviges.....         | Lemitar            |
| Gonzalez, Amalia.....           | Armijo             |
| Gonzalez, Hilario.....          | Armijo             |
| Graham, Edna.....               | Lovington          |
| Graham, Mary Louise.....        | Lovington          |
| Grammer, Maurine Parker.....    | Albuquerque        |
| Green, Mary Beth.....           | Tecumseh, Oklahoma |
| Griego, Adele.....              | Albuquerque        |
| Gurule, J. Manuel.....          | Los Lunas          |
| Hall, Ethelyn Pearl.....        | Albuquerque        |
| Hart, Maude.....                | Albuquerque        |
| Hendricks, Angia Rosa.....      | Albuquerque        |
| Hendricks, Eula.....            | Albuquerque        |
| Herby, Dora.....                | Albuquerque        |
| Herby, Vera.....                | Albuquerque        |
| Herrera, Timmy.....             | Armijo             |
| Hervey, Virginia.....           | Albuquerque        |
| Hext, Howard A.....             | Albuquerque        |
| Hidalgo, Fernando.....          | Phoenix, Arizona   |

|                                |                        |
|--------------------------------|------------------------|
| Hofheins, Iva Estella.....     | Albuquerque            |
| Hogrefe, Harry L.....          | Albuquerque            |
| Horner, Eva May.....           | Tulsa, Oklahoma        |
| Hubbell, Elizabeth Helen.....  | Pajarito               |
| Hubbell, Louise.....           | Pajarito               |
| Hughes, Thomas III.....        | Albuquerque            |
| Hunnicut, Edna.....            | Tucumcari              |
| Hunter, Clarence D.....        | Tularosa               |
| Hunter, Mary Frances.....      | Mountainair            |
| Hust, Harry.....               | Albuquerque            |
| Jarrett, Elizabeth McCall..... | Albuquerque            |
| Jenkins, Robert D.....         | Albuquerque            |
| Jiron, Carlos Longino.....     | Reserve                |
| Johnson, Bessie Lee.....       | Albuquerque            |
| Johnson, Jessie Lela.....      | Albuquerque            |
| Johnson, E. Vay.....           | Abbott                 |
| Johnston, Mabel.....           | Albuquerque            |
| Jones, Inez Eoline.....        | Carlsbad               |
| Kassing, Jessie L.....         | Albuquerque            |
| Kendrick, Robert C.....        | Albuquerque            |
| Kimmel, Alyce.....             | Albuquerque            |
| Kirk, Agnes.....               | Tohatchi               |
| Kleinworth, Miss Jo.....       | Albuquerque            |
| Klyng, Charlotte.....          | Roswell                |
| Lamb, Marie.....               | Albuquerque            |
| Leak, Mrs. Louise.....         | Albuquerque            |
| Leavitt, Charles.....          | Albuquerque            |
| Leason, Marjorie.....          | Raton                  |
| Lenox, Ruth.....               | Independence, Missouri |
| Lewis, Doris.....              | Dexter                 |
| Leyba, Pancha.....             | Albuquerque            |
| Lies, Lucy.....                | Belen                  |
| Lock, Mrs. Helen.....          | Albuquerque            |
| Loe, Vesta.....                | Gladstone              |
| Long, Lorraine.....            | Albuquerque            |
| Loudon, Louise.....            | Albuquerque            |
| Loudon, Thelma.....            | Albuquerque            |
| Low, Frank.....                | Albuquerque            |
| Low, Lorena Carmony.....       | Albuquerque            |
| Lucero, Aurelia.....           | Mesilla                |
| Lucero, Beulah.....            | Albuquerque            |
| Luna, Rose.....                | Albuquerque            |
| Lujan, Avelina Felicitas.....  | Albuquerque            |
| Lynch, Esther.....             | Santa Fe               |
| Lynch, Nettie.....             | Albuquerque            |
| McClure, Carolyn V.....        | Albuquerque            |
| McCulloh, Dorothy.....         | Albuquerque            |
| McCollum, James Ross.....      | Albuquerque            |
| McDonald, Frances.....         | Albuquerque            |
| McDonald, Mary Margaret.....   | Albuquerque            |
| McDowell, Katherine.....       | Albuquerque            |
| McFarland, Julia R.....        | Albuquerque            |
| McFatter, Caroline.....        | Canadian, Texas        |
| McGonagill, Dorothy.....       | Fort Worth, Texas      |

|                              |               |
|------------------------------|---------------|
| McIntyre, Maude.....         | Albuquerque   |
| McManus, Virginia.....       | Albuquerque   |
| McNeil, Augustus James.....  | Dexter        |
| Mack, Zilpha.....            | Albuquerque   |
| Madson, Edward L.....        | Tularosa      |
| Mainz, Virginia.....         | Albuquerque   |
| Mapes, Ellen H.....          | Albuquerque   |
| Mapes, Edwin Riley.....      | Albuquerque   |
| Marino, Mary.....            | Albuquerque   |
| Marmon, Mrs. Susie.....      | Laguna        |
| Marquez, Libradita.....      | Albuquerque   |
| Martin, Walter.....          | Albuquerque   |
| Martinez, Adilla.....        | Taos          |
| Matthew, Mabelle Yott.....   | Albuquerque   |
| Mauger, Harry.....           | Albuquerque   |
| Merritt, Maxwell.....        | Albuquerque   |
| Michael, Philomena.....      | Albuquerque   |
| Miera, Gloria.....           | Albuquerque   |
| Miller, Georgia.....         | Albuquerque   |
| Miller, Lee A.....           | Albuquerque   |
| Miller, Rosealda.....        | Albuquerque   |
| Milne, John.....             | Albuquerque   |
| Mitchell, George.....        | Albuquerque   |
| Monahan, Tessie.....         | Albuquerque   |
| Moore, Violet Carmen.....    | Albuquerque   |
| Morelli, Irene.....          | Albuquerque   |
| Muniz, Frances.....          | Albuquerque   |
| Nannah, Blossom L.....       | Albuquerque   |
| Nanninga, Mrs. Juanita.....  | Albuquerque   |
| Papoleon, Josephine.....     | Albuquerque   |
| Nash, Stella.....            | Austin, Texas |
| Nielson, Deborah A.....      | Bluewater     |
| Nolting, Mrs. Nell.....      | Albuquerque   |
| Padilla, Angelina.....       | Albuquerque   |
| Ortiz, Emilia.....           | Santa Fe      |
| Otero, Santiago.....         | Tome          |
| Padilla, F. Annie.....       | Albuquerque   |
| Padilla, Mrs. Leon Jose..... | Albuquerque   |
| Palmateer, Elsie.....        | Texico        |
| Perea, Venturita.....        | Sandoval      |
| Pettit, Mrs. Elizabeth.....  | Albuquerque   |
| Pfeifer, William H.....      | Pena Blanca   |
| Pinard, Isabel.....          | Albuquerque   |
| Pino, Inez.....              | Albuquerque   |
| Pino, Selfa.....             | Albuquerque   |
| Pohl, Rachel.....            | Albuquerque   |
| Polk, Mabel E.....           | Dallas, Texas |
| Pomerenk, Mary Edith.....    | Albuquerque   |
| Price, Kirby.....            | Lovington     |
| Quintana, Dora.....          | Albuquerque   |
| Rankin, Jessie May.....      | Stanley       |
| Reardon, W. B.....           | Albuquerque   |
| Reiter, Anna Campbell.....   | Santa Fe      |
| Ring, Ruth Elizabeth.....    | Albuquerque   |

|                                 |                    |
|---------------------------------|--------------------|
| Ringer, Ruth.....               | Deming             |
| Ritchie, Jerry W.....           | Tularosa           |
| Roach, Harriett.....            | Ada, Oklahoma      |
| Robb, Mary.....                 | Albuquerque        |
| Romero, Benigno.....            | Albuquerque        |
| Romero, Eloisa.....             | Peralta            |
| Rowe, Catherine.....            | Albuquerque        |
| Russell, Georgia.....           | Thoreau            |
| Salas, Piedad.....              | Old Albuquerque    |
| Salazar, Annie.....             | Albuquerque        |
| Sanchez, Barbara.....           | Albuquerque        |
| Sanchez, George.....            | Albuquerque        |
| Sanchez, Mary.....              | Pastura            |
| Sanchez, Virgie.....            | Albuquerque        |
| Sanders, Ruth.....              | Albuquerque        |
| Sandoval, Petrita.....          | Albuquerque        |
| Sandoval, Thomas.....           | Marquez            |
| Santiago, Bertha.....           | Albuquerque        |
| Scheele, Anita.....             | Belen              |
| Schroeder, Erna.....            | Albuquerque        |
| Schulz, Mrs. Elsie.....         | Albuquerque        |
| Schupp, Ona E.....              | Albuquerque        |
| Scott, Pauline.....             | Albuquerque        |
| Sedillo, Lucy.....              | Magdalena          |
| Sessions, Cora.....             | Macon, Mississippi |
| Shamberger, Mrs. Elizabeth..... | Albuquerque        |
| Sharp, Jeffie.....              | Albuquerque        |
| Sherman, Louise Aurora.....     | Albuquerque        |
| Shields, Lucinda Alice.....     | Albuquerque        |
| Shortle, Margaret.....          | Albuquerque        |
| Siler, Randolph.....            | Albuquerque        |
| Silver, Lela.....               | Albuquerque        |
| Sininger, Harlan.....           | Albuquerque        |
| Slaten, Gretchen Thelma.....    | Albuquerque        |
| Smith, Elizabeth.....           | Santa Fe           |
| Snyder, Louise.....             | Albuquerque        |
| Spear, Winnie Helen.....        | Albuquerque        |
| Spencer, Margaret.....          | Estancia           |
| Stapleton, Ernest.....          | Socorro            |
| Stewart, Margaret Mary.....     | Albuquerque        |
| Stewart, Mary.....              | Albuquerque        |
| Stinnett, Marion M.....         | Portales           |
| Stinnett, Rufus.....            | Portales           |
| Stover, Haldane.....            | Belen              |
| Stroope, Irene.....             | Belen              |
| Stuart, Wallace W.....          | Tularosa           |
| Sturgeon, Kate.....             | Albuquerque        |
| Sweet, Belle.....               | Albuquerque        |
| Tatum, Grace Cook.....          | Roswell            |
| Taylor, Carl Norman.....        | Albuquerque        |
| Taylor, James.....              | Portales           |
| Taylor, Mrs. James.....         | Taiban             |
| Taylor, Martin L.....           | Picuris            |
| Telles, James.....              | Tularosa           |

|                              |                       |
|------------------------------|-----------------------|
| Telles, Perfecto.....        | Tularosa              |
| Terry, Winifred.....         | Albuquerque           |
| Thomas, Barber-Nell.....     | Carlsbad              |
| Thompson, Blanche.....       | Albuquerque           |
| Tinklepaugh, Mrs. Helen..... | Albuquerque           |
| Tully, James.....            | Glencoe               |
| Turner, Ada.....             | Albuquerque           |
| Turner, Virginia.....        | Albuquerque           |
| Umberhine, Ethel Marie.....  | Santa Fe              |
| Von Ehrenfeld, Mrs. Eva..... | Congress, Arizona     |
| Walls, Anna.....             | Albuquerque           |
| Wardell, Kate.....           | Albuquerque           |
| Weaver, Minnie Mabel.....    | Albuquerque           |
| Webb, Gerald Preston.....    | Rock Island, Illinois |
| Weisenbach, Estelle.....     | Albuquerque           |
| Wells, Lorena.....           | Old Albuquerque       |
| Wells, Louise.....           | East Las Vegas        |
| White, Artie Lee.....        | Springer              |
| White, Jessie.....           | Springer              |
| White, Mary Elizabeth.....   | Albuquerque           |
| Whitt, Gladys.....           | Albuquerque           |
| Wilferth, J. W.....          | Roy                   |
| Willhite, Mrs. June.....     | Albuquerque           |
| Williamson, Margaret.....    | Albuquerque           |
| Wilson, Bertha.....          | Albuquerque           |
| Wilson, Mrs. Dorothy G.....  | Santa Fe              |
| Wilson, Rosamond.....        | Albuquerque           |
| Wootton, Marguerite.....     | Albuquerque           |
| Wortman, Mrs. C. S.....      | Albuquerque           |
| Wortman, Edith.....          | Albuquerque           |
| Wyland, Grace.....           | Isleta                |
| Wylie, Lockey.....           | Albuquerque           |
| Yearout, Cecelia.....        | Albuquerque           |
| Young, Andrew Robert.....    | Elida                 |
| Zamora, Luis.....            | Bosque                |

## SUMMARIES

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| Extension Division.....                                     | 62   |
| Summer Session, 1927.....                                   | 337  |
| Special and Unclassified Students.....                      | 76   |
| Gross total.....  | 1093 |
| Less duplicates.....  | 103  |
| Total number of different persons.....                      | 990  |



## STUDENTS BY COUNTIES IN NEW MEXICO AND BY STATES

(For the first and second semesters, 1927-1928, not including the  
Summer Session, 1927, nor the Extension Division.)

|                  |     |                  |    |
|------------------|-----|------------------|----|
| Bernalillo ..... | 421 | Quay .....       | 11 |
| Chavez .....     | 28  | Rio Arriba ..... | 1  |
| Colfax .....     | 20  | Roosevelt .....  | 3  |
| Curry .....      | 5   | Sandoval .....   | 3  |
| Eddy .....       | 22  | San Juan .....   | 3  |
| Grant .....      | 3   | San Miguel ..... | 3  |
| Guadalupe .....  | 2   | Santa Fe.....    | 26 |
| Hidalgo .....    | 1   | Sierra .....     | 2  |
| Lea .....        | 4   | Socorro .....    | 5  |
| Lincoln .....    | 8   | Taos .....       | 3  |
| Luna .....       | 6   | Torrance .....   | 2  |
| McKinley .....   | 16  | Union .....      | 4  |
| Otero .....      | 7   | Valencia .....   | 13 |

Total from New Mexico..... 622

|                   |   |                      |   |
|-------------------|---|----------------------|---|
| Alabama .....     | 3 | Missouri .....       | 1 |
| Arkansas .....    | 3 | Montana .....        | 1 |
| Arizona .....     | 1 | New Jersey .....     | 2 |
| California .....  | 4 | New York .....       | 2 |
| Colorado .....    | 3 | North Dakota .....   | 3 |
| Connecticut ..... | 1 | Ohio .....           | 3 |
| Georgia .....     | 1 | Oklahoma .....       | 6 |
| Illinois .....    | 9 | Oregon .....         | 1 |
| Indiana .....     | 2 | Pennsylvania .....   | 1 |
| Iowa .....        | 1 | South Carolina ..... | 1 |
| Kansas .....      | 5 | Tennessee .....      | 1 |
| Kentucky .....    | 2 | Texas .....          | 7 |
| Louisiana .....   | 1 | Virginia .....       | 1 |
| Michigan .....    | 2 | West Virginia .....  | 1 |
| Minnesota .....   | 1 |                      |   |

Total from other states..... 70

Total students..... 692

Note: The above table will appear to be greatly at variance with the table following, especially in the figures given for students from other states. This table, above, is based upon the present legal residence of the students while the one following is based upon the location of the last school attended by the student before coming to the University of New Mexico. As all students who are minors and whose parents or legal guardians reside outside the boundaries of New Mexico are classed as non-residents, it will be understood that a large number of those listed above as from Bernalillo County are students who are not minors and, coming from other states, have acquired a residence in this state and in Albuquerque.

# STUDENTS FROM SECONDARY SCHOOLS AND HIGHER INSTITUTIONS

(Not including Summer Session, 1927, nor Extension Division.)

|  |     |     |
|--|-----|-----|
| From Secondary Schools of New Mexico.....            | 347 |     |
| From New Mexico Higher Educational Institutions....  | 43  |     |
| Total from New Mexico.....                           |     | 390 |
| From Secondary Schools of Other States.....          | 110 |     |
| From Higher Educational Institutions of Other States | 186 |     |
| Total from Other States.....                         |     | 296 |
| Special Students—No Record of Previous Education     |     | 6   |
| Total for Regular Session.....                       |     | 692 |
| Total from all Secondary Schools.....                |     | 457 |
| Total from all Higher Educational Institutions.....  |     | 229 |
| Total with no data concerning previous education.... |     | 6   |
| Total for Regular Session.....                       |     | 692 |

# SCHOLARSHIPS-AWARDS-HONORS

## RHODES SCHOLARSHIP

Beginning 1927

Woodford Heflin, B. A., '26

## IVES SCHOLARSHIPS

For 1927-1928

Esther Horton, Irene Quintana, Margaret Spencer

## C. T. FRENCH MEDAL FOR SCHOLARSHIP

Mary McDonald

## SIMMS PRIZE FOR ENGLISH COMPOSITION

Letitia Eells

## BREECE PRIZE IN ENGINEERING

Reginald Fisher

## PRAGER PRIZE IN ACCOUNTING

Albert Goddard

## CHI OMEGA PRIZE IN ECONOMICS

Eleanor King

## MARIAN COONS AWARD

Gladys McCarthy

## HARRY L. DOUGHERTY MEMORIAL PRIZE IN ENGINEERING

David Mitchell

## BEST STUDENTS FOR 1926-1927

### College of Arts and Sciences

|                |                 |
|----------------|-----------------|
| Freshman.....  | Ethel Erlandson |
| Sophomore..... | Gladys Jones    |
| Junior.....    | Marcella Reidy  |
| Senior.....    | Myra Mewborne   |

### College of Engineering

|                |                |
|----------------|----------------|
| Freshman.....  | David Mitchell |
| Sophomore..... | William Reed   |
| Junior.....    | Donald Crosno  |
| Senior.....    | Ray Blessum    |

## DEGREES CONFERRED MAY 30, 1927

## COLLEGE OF ARTS AND SCIENCES

## BACHELOR OF ARTS

| Name                                    | Major Studies                    | Minor Studies                |
|---|----------------------------------|------------------------------|
| John Wesley Armstrong....               | History                          | Economics                    |
| Lyman Harold Brewer.....                | Economics,<br>English            | History                      |
| Jennie Mae Brown.....                   | Mathematics                      | Physics                      |
| Berta Jane Bryant.....                  | Education                        | History,<br>Psychology       |
| Dorothy Mary Buckley....                | English                          | Education                    |
| David Lopez Campa.....                  | History                          | Education                    |
| Lauretta Faircloth.....                 | Psychology                       | Education, Home<br>Economics |
| Vesta Inez Grafton.....                 | English                          | Education                    |
| Jessie Goodson Gray.....                | English                          | Education, History           |
| Eula Susan Hendricks.....               | Economics,<br>Psychology         | Education, English           |
| Harold Orville John.....                | Economics                        | History                      |
| Mildred King.....                       | Education,<br>Mathematics        | History                      |
| Riley Edwin Mapes.....                  | Economics                        | English                      |
| Mary Margaret McDonald..                | Education, English               | History                      |
| Violet Louise McDowell...               | English                          | Education, Spanish           |
| Myra Mewborne.....                      | English                          | Education                    |
| George Franklin Mitchell*..             | Education                        | Psychology                   |
| Harold Ignatius Mulcahy..               | Economics                        | Psychology                   |
| Alice Cecilia Palmer.....               | History, Spanish                 | Education                    |
| Helen Gretchen Schneider..              | English                          | Chemistry                    |
| Ruth Elizabeth Scott.....               | Education, English               | History                      |
| Mary Madge Shepard.....                 | English, History                 | Home Economics               |
| Elizabeth Leigh Sterrett<br>Shirk ..... | Education, History<br>Psychology |                              |
| Carl Norman Taylor.....                 | English                          | Education, History           |
| Richard Wallace Thorne...               | Economics                        | History                      |

\*Degree voted September, 1926.

## BACHELOR OF SCIENCE

|                           |           |                         |
|---------------------------|-----------|-------------------------|
| Alton Edward Bailey.....  | Chemistry | Mathematics,<br>Spanish |
| Virginia Bragg.....       | Chemistry | French, Geology         |
| Charles Oscar Brown.....  | Chemistry | Physics                 |
| Dorothy Alice Cheney..... | Biology   | Education               |
| Geraldine Marie DuBois... | Biology   | Chemistry               |
| Thomas F. Kerrigan.....   | Chemistry | Education               |

## MASTER OF ARTS

|                         |                               |           |
|-------------------------|-------------------------------|-----------|
| Mary Wright Coan.....   | Spanish                       | Education |
| William Lee Harper..... | History, Political<br>Science | Education |
| Verna Ruth Nathan.....  | Psychology                    | Education |

## DEGREES CONFERRED MAY 30, 1927

## COLLEGE OF ENGINEERING

## BACHELOR OF SCIENCE

| Name                         | Major                  |
|------------------------------|------------------------|
| Ray Benjamin Blessum.....    | Electrical Engineering |
| William George Bratschi..... | Civil Engineering      |
| James Lester Brown.....      | Geological Engineering |
| Ira Hearst Coen.....         | Electrical Engineering |
| Wendell Marlin Doty.....     | General Engineering    |
| Reginald Gilbert Fisher..... | Geological Engineering |
| Lee Arentue Miller.....      | General Engineering    |

## DEGREES CONFERRED JULY 30, 1927

## BACHELOR OF ARTS

|                           |           |                        |
|---------------------------|-----------|------------------------|
| Grace Atherton.....       | Spanish   | History, Education     |
| Katherine Diana Brown...  | History   | Education, Music       |
| Frank Low.....            | Education | History,<br>Psychology |
| Maxwell Mills Merritt.... | History   | Latin                  |
| Benigno Romero.....       | Spanish   | Education              |
| Cora Sessions.....        | History   | Education, Spanish     |

## BACHELOR OF SCIENCE

| Name                      | Major          | Minor     |
|---------------------------|----------------|-----------|
| Angia Rosa Hendricks..... | Home Economics | Education |

## HONORARY DEGREES CONFERRED MAY 30, 1927

## DOCTOR OF LAWS

DAVID ROSS BOYD, B. A., M. A., Ph. D., Former President of the University of New Mexico.

CHARLES ELKANAH HODGIN, B. Pd., Professor Emeritus of Education of the University of New Mexico.

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