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THE UNIVERSITY OF
NEW MEXICO
BULLETIN

Thirty-Ninth
Annual Catalogue Issue
1929-1930



ANNOUNCEMENTS
1930-1931

PUBLISHED BY THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NEW MEXICO

FEBRUARY, 1930

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UNIVERSITY OF NEW MEXICO PRESS
1930.

UNIVERSITY CALENDAR

SUMMER SESSION, 1930

June	9-10,	Monday and Tuesday, Registration days.
June	11,	Wednesday, Instruction begins in all departments.
July	4,	Friday, Independence Day; holiday.
August	2,	Saturday, Summer Session ends.

FIRST SEMESTER, 1930-1931

September	11-13,	Thursday to Saturday, Freshman week.
September	15,	Monday, Entrance examinations.
September	16,	Tuesday, 9-12 and 1-4. Registration day for residents of Albuquerque and vicinity.
September	17,	Wednesday, 9-12 and 1-4. Registration day for all other students.
September	18,	Thursday, Instruction begins at 8 A. M.
October	18,	Saturday, Examinations for the removal of conditions.
November	11,	Tuesday, Armistice Day; holiday.
November	27,	Thursday, Thanksgiving Day; holiday.
December	20,	Saturday, Holiday recess begins at 12 M.
January	5,	Monday, Instruction resumed at 8 A. M.
January	26-30,	Monday to Friday, Semester final examinations.
January	30,	Friday, Semester ends at 5 P. M.

SECOND SEMESTER, 1930-1931

February	2,	Monday, Entrance examinations.
February	3,	Tuesday, 9-12 and 1-4. Registration day for residents of Albuquerque and vicinity.
February	4,	Wednesday, 9-12 and 1-4. Registration day for all other students.
February	5,	Thursday, Instruction begins at 8 A. M.
February	28,	Saturday, University Memorial Day.
March	7,	Saturday, Examinations for the removal of conditions.
April	3-4,	Friday and Saturday, Spring recess.
May	30,	Saturday, Memorial day; holiday.
June	1-5,	Monday to Friday, Semester final examinations.
June	7,	Sunday, Baccalaureate Services.
June	8,	Monday, Commencement exercises.

CORRECTIONS

September	11-15	Thursday to Monday, Freshman Week.
September	15	Monday, 9-12 and 1-4, Registration for Freshmen.
September	16	Tuesday, 9-12 and 1-4, Registration for all other students.
		Classes begin for Freshmen only.
September	17	Wednesday, Instruction begins at 8 A. M.

THE BOARD OF REGENTS

HIS EXCELLENCY, THE GOVERNOR OF NEW MEXICO,

Ex-Officio ----- Santa Fe

THE STATE SUPERINTENDENT OF PUBLIC INSTRUCTION,

Ex-Officio ----- Santa Fe

MRS. REED HOLLOMAN ----- Santa Fe

President

ORIE L. PHILLIPS ----- Albuquerque

Vice-President

JOHN F. SIMMS ----- Albuquerque

Secretary-Treasurer

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 COLLEGE OF EDUCATION
THE GRADUATE SCHOOL
THE EXTENSION DIVISION
THE SUMMER SESSION

OFFICERS OF ADMINISTRATION 1929-1930

JAMES FULTON ZIMMERMAN, Ph. D., President.
GEORGE POPE SHANNON, Ph. D., Dean of the College of Arts and Sciences.
ROBERT SPENCER ROCKWOOD, M. S., Dean of the College of Engineering.
SIMON PETER NANNINGA, Ph. D., Dean of the College of Education and Director of the Summer Session.
JAY C. KNODE, Ph. D., Dean of Men.
LENA CECILE CLAUVE, B. A., Dean of Women.
BENJAMIN FRANKLIN HAUGHT, Ph. D., Director of the Graduate School.
J. T. REID, M. A., Director of the Extension Division.
ALICE M. OLSON, Acting Registrar.
PATRICK MILLER, B. A., Bursar.
WILMA LOY SHELTON, B. L. S., Librarian.
HARRY V. FRANK, Superintendent of Campus.

ASSISTANT ADMINISTRATIVE OFFICERS

LEONA RAILLARD, B. A., Secretary to the President.
HELEN STUBBS, Secretary to the Bursar.
LETITIA EELLS, B. A., Secretary to the Deans of the Colleges.
SARAH ANN HESS, Secretary to the Director of the Extension Division.
CLAUDIA M. MARSCHALL, A. B., B. S., Clerk in the Office of the Registrar.
RUTH RUSSELL, Assistant Librarian.
MARGARET O. KUNTZ, B. A., Cataloguer in Library.

UNIVERSITY HEALTH SERVICE

P. GILLETTE CORNISH, M. D., University Physician.
LEO B. COHENOUR, M. D., Assistant University Physician.

PHYSICAL EDUCATION AND ATHLETICS

ROY WILLIAM JOHNSON, B. A., Director and Coach.
W. L. BARNES, Physical Director and Freshman Coach.
JOHN PATRICK MCFARLAND, B. A., Assistant Physical
Director and Assistant Freshman Coach.
HARRY W. BLISS, Assistant Football Coach.
TOM L. POPEJOY, B. A., Graduate Manager of Athletics.

DINING AND RESIDENTIAL HALLS

MRS. ELIZABETH SIMPSON, B. S., Supervisor of Dining Hall.
MRS. GENE McL. KINNEY, Matron of Women's Residential Hall.
MRS. Q. L. WILSON, Matron of La Casa de Reinas.
FRANK REEVE, M. A., Proctor of Men's Residential Hall.

THE FACULTY OF THE UNIVERSITY

JAMES FULTON ZIMMERMAN, B. A., M. A., Vanderbilt University; Ph. D., Columbia University.

President of the University and Professor of Political Science.

CHARLES ELKANAH HODGIN, B. Pd., LL. D., University of New Mexico.

Vice-President and Professor of Education, Emeritus.

FRED W. ALLEN, B. A., M. A., University of Kansas.

Assistant Professor of Biology.

NINA ANCONA.

Part-time Instructor in Pipe Organ.

JOHN BABCOCK BAKER, B. S., M. S., University of Illinois.

Associate Professor of Mechanical Engineering.

W. L. BARNES.

Physical Director and Freshman Coach.

CHARLES ANTHONY BARNHART, B. A., M. A., University of Illinois.

Professor of Mathematics.

LORETTA BARRETT, B. A., State University of Iowa.

Instructor in Physical Education for Women.

HARRY W. BLISS.

Assistant Football Coach.

LANSING B. BLOOM, B. A., M. A., Williams College.

Associate Professor of History.

EDWARD FRANKLIN CASTETTER, B. A., Lebanon Valley College; M. S., Pennsylvania State College; Ph. D., Iowa State College.

Professor of Biology.

RUSSELL CHARLTON.

Part-time Instructor in Riding.

MARY CHESIRE, B. S., State University of Iowa.

Part-time Instructor in Physical Education for Women.

JOHN D. CLARK, B. S., M. S., New Hampshire College of Agriculture and Mechanic Arts; Ph. D., Stanford University.

Professor of Chemistry.

LENA CECILE CLAUVE, B. A., University of New Mexico.

Dean of Women and Instructor in Public School Music.

MARY WRIGHT COAN, B. J., University of Missouri; M. A., University of New Mexico.

Instructor in Spanish.

MARION DARGAN, B. A., Wofford College; M. A., Columbia University; Ph. D., University of Chicago.

Associate Professor of History and Political Science.

W. F. J. DEJONGH, B. A., M. A., University of Michigan; M. A., Harvard University.

Instructor in French and German.

FRANCIS MEDFORTH DENTON, Hymers College, Hull, England;
A. C. G. I., Imperial College of Science and Technology, London, England.

Professor of Electrical Engineering.

ADELBERT DIEFENDORF, B. S. in C. E., C. E., Ohio Northern University.

Professor of Civil Engineering.

JOHN WILLIAM DIEFENDORF, B. S. in Educ., Central Missouri State Teachers College; M. A., Ph. D., University of Missouri. Associate Professor of Secondary Education and High School Visitor.

RALPH W. DOUGLASS.

Part-time Instructor in Commercial Art.

ROBERT WALPOLE ELLIS, B. S., University of South Dakota; M. A., University of Wisconsin.

Professor of Geology.

*JOHN E. ENGLEKIRK, JR., B. A., St. Stephen's College; M. A., Northwestern University.

Instructor in Romance Languages.

REGINALD FISHER, B. S. in G. E., M. A., University of New Mexico.

Instructor in Archaeology.

DOROTHEA FRICKE, Graduate of Chicago Art Institute.

Instructor in Art.

BENJAMIN FRANKLIN HAUGHT, B. A., West Virginia University; M. A., Columbia University; Ph. D., George Peabody College.

Professor of Psychology and Education and Director of the Graduate School.

BERNARD HELFRICH, B. M., Bush Conservatory.

Instructor in Piano.

EDGAR L. HEWETT, B. Pd., M. Pd., Colorado State Teachers College; D. Sc., University of Geneva; LL. D., University of Arizona.

Professor of Anthropology and Archaeology.

LESLIE CYRIL JAUNCEY, B. A., Washington University; M. A., Ph. D., Harvard University.

Associate Professor of Economics and Business Administration.

ROY WILLIAM JOHNSON, B. A., University of Michigan; Certificat, Universite de Poitiers.

Director of Athletics.

*On leave of absence, 1929-1930.

VEON C. KIECH, B. S., University of New Mexico; M. S., Stanford University.

Assistant Professor of Chemistry.

JAY C. KNODE, B. A., M. A., University of Nebraska; Ph. D., Teachers College, Columbia University.

Dean of Men and Professor of Philosophy.

WILLIAM KUNKEL.

Part-time Instructor in Wood Wind Instruments and Bandmaster.

DEAN B. LYMAN, JR., B. A., University of the South; M. A., New York University.

Instructor in English and Journalism.

JOHN PATRICK MCFARLAND, B. A., University of New Mexico.

Assistant Physical Director and Assistant Freshman Coach.

LYNN BOAL MITCHELL, B. A., Ohio State University; M. A., Ph. D., Cornell University.

Professor of Classics.

SUSAN MOSER, B. S., M. S., Iowa State College.

Instructor in Home Economics.

R. J. MUNRO, B. S., State University of Iowa.

Instructor in Mechanical Engineering.

SIMON P. NANNINGA, B. S., Kansas State Teachers College; M. A., Stanford University; Ph. D., University of California.

Dean of the College of Education, Professor of School Administration, and Director of the Summer Session.

CARROLL V. NEWSOM, B. A., College of Emporia; M. A., University of Michigan.

Assistant Professor of Mathematics.

STUART A. NORTHROP, B. S., Ph. D., Yale University.

Associate Professor of Geology.

**ANITA M. OSUNA, B. A., University of New Mexico; M. A., Stanford University.

Assistant Professor of Romance Languages.

RICHARD M. PAGE, B. A., University of Michigan.

Instructor in Psychology.

IRVING B. PARSONS, Bachelor of Architecture, University of Pennsylvania.

Part-time Instructor in Architecture.

*THOMAS MATTHEW PEARCE, B. A., University of Montana; M. A., University of Pittsburgh.

Assistant Professor of English.

* On leave of absence, 1929-1930.

** On leave of absence, second semester 1929-1930.

TOM L. POPEJOY, B. A., M. A., University of New Mexico.
Assistant Professor of Economics and Business Administration.

CARL REDIN.

Part-time Instructor in Landscape Painting.

FRANK DRIVER REEVE, B. A., M. A., University of New Mexico.
Instructor in History and Political Science.

J. T. REID, B. A., Howard Payne College; M. A., Baylor University.
Director of the Extension Division and Assistant Professor of Education.

ROBERT SPENCER ROCKWOOD, B. S., Denison University; M. S., University of Michigan.

Dean of the College of Engineering and Professor of Physics.

CHESTER RUSSELL, B. S. in E. E., University of New Mexico.
Instructor in Electrical Engineering.

GEORGE W. ST. CLAIR, B. A., M. A., Whitman College; Ph. D., University of California.

Professor of English.

*FRANCE V. SCHOLES, B. A., M. A., Harvard University.

Associate Professor of History and Political Science.

JAMES ROBERT SCOTT, B. A., University of California; M. D., Cooper Medical College, Stanford University; Ph. D., George Washington University.

Associate Professor of Health.

GEORGE POPE SHANNON, B. A., Vanderbilt University; M. A., Ph. D., Stanford University.

Dean of the College of Arts and Sciences and Professor of English.

WILMA LOY SHELTON, B. A., B. L. S., University of Illinois.

Librarian and Associate Professor of Library Science.

ELIZABETH SIMPSON, B. S., University of New Mexico.

Professor of Home Economics and Supervisor of the Dining Hall.

FLORENCE SMITH.

Instructor in Voice.

MAMIE R. E. TANQUIST, B. A., Hamline University; M. A., University of Minnesota.

Assistant Professor of Anthropology and Archaeology.

GRACE THOMPSON, B. M., Defiance College.

Associate Professor of Music.

LOYD S. TIREMAN, B. A., Upper Iowa University; M. A., Ph. D., State University of Iowa.

Associate Professor of Education.

*On leave of absence, 1929-1930.

WILLIAM C. WAGNER, B. S. in C. E., South Dakota School of Mines.
Instructor in Civil Engineering.

ALICE FARWELL WARREN, B. A., Radcliffe College; M. A., Ph.
D., University of Wisconsin.

Assistant Professor of History and Political Science.

CECIL V. WICKER, B. A., M. A., University of Michigan.

Assistant Professor of English.

HELEN WOYTYCH, B. A., Chicago Musical College.

Part-time Instructor in Violin.

W. C. ZELLARS, Ph. B., Emory University; M. A., Columbia Uni-
versity; Ph. D., New York University.

Associate Professor of Modern Languages.

TEACHING FELLOWS

MARY H. BRUNO, B. S. in Educ., Kansas State Teachers College.

Graduate Fellow in Romance Languages.

ELSIE RUTH CHANT, B. A., University of New Mexico.

Graduate Fellow in English.

SARAH LOUISE COOK, B. S., University of New Mexico.

Graduate Fellow in Biology.

JOHN EDWIN EARL, B. S. in C. E., Lafayette College.

Graduate Fellow in Psychology.

H. T. GALLOWAY, B. S. in Educ., Oklahoma Agricultural and
Mechanical College.

Graduate Fellow in Biology.

VARA MCKAYE.

Part-time Teaching Fellow in English.

BRANCH SPALDING.

Teaching Fellow in English.

WILIAM W. WALLING, LL. B., New York University.

Teaching Fellow in Education.

STAFF OF STATE HEALTH LABORATORY

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

MYRTLE GREENFIELD, B. A., M. A., University of Kansas.

Chief, Division of Laboratory, State Public Health Laboratory.

ELEANOR L. BULLOCK, B. A., Colorado College.

Bacteriologist in State Public Health Laboratory.

THE STANDING COMMITTEES OF THE FACULTY

1929-1930

The first named member of each committee is chairman.

ADMINISTRATIVE: Zimmerman, Haught, Shannon, Rockwood,
Nanninga, Knode, Clauve.

ALUMNI RELATIONS: Reeve, Popejoy, Clark, Reid, Osuna.

APPOINTMENTS: J. W. Diefendorf, Nanninga, St. Clair, Simpson.

ATHLETIC COUNCIL REPRESENTATIVES: Tireman, Johnson, Jauncey, Reeve.

CAMPUS IMPROVEMENT: Castetter, A. Diefendorf, Tanquist, Fricke, Miller.

COMMENCEMENT EXERCISES: Baker, Thompson, Smith, Mitchell, Munro.

COURSES OF STUDY: Haught, Shannon, Rockwood, Nanninga.

ELIGIBILITY: Tireman, Barnhart, Johnson, Wagner.

ENTRANCE AND CREDITS: Olson, Shannon, Rockwood, Nanninga.

EXTENSION: Reid, Shannon, Rockwood, Nanninga.

FIELD SCHOOL: Hewett, Castetter, Northrop, A. Diefendorf.

GRADUATE: Haught, St. Clair, Hewett, Northrop, Castetter, Dargan, Zellars.

HIGH SCHOOL RELATIONS: J. W. Diefendorf, Knode, Osuna, Reid, Barrett, McFarland.

HONORS AND AWARDS: Rockwood, Newsom, Wicker, Warren.

LIBRARY: Shelton, Denton, Bloom, Wicker, Mitchell, Ellis.

MEMORIAL DAY: Mitchell, Clark, Hodgins, Hewett.

PROGRAM OF CLASSES AND ROOMS: Barnhart, Allen, Baker, Miller.

PUBLIC EXERCISES: St. Clair, Thompson, Reid, Dargan.

PUBLICATIONS: Clark, Haught, Shelton, Hewett, Bloom.

PUBLICITY: Wicker, Lyman, Coan.

RHODES SCHOLARSHIP: Mitchell, St. Clair, Denton.

SCHOLARSHIP:

A. College of Arts and Sciences - Shannon, Simpson, Newsom, Wicker, Zellars.

B. College of Engineering - Rockwood, A. Diefendorf, Baker, Munro.

C. College of Education - Nanninga, Haught, Tireman, J. W. Diefendorf.

STUDENT ACCOUNTS: Jauncey, Popejoy, Russell.

STUDENT EMPLOYMENT: Popejoy, Page, Miller.

STUDENT HEALTH: Scott, Barrett, Barnes, Moser.

STUDENT LOANS: Miller, Knode, Kiech.

STUDENT PUBLICATIONS: St. Clair, DeJongh, Denton, Lyman, Fisher.

STUDENT RELATIONS: Simpson, Knode, Clauve, Page, Northrop.

SUMMER SESSION: Nanninga, Haught, Shannon, Knode, Simpson.

UNIVERSITY WEEKLY BULLETIN: Knode, St. Clair, Clauve, Johnson.

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. Ramsey 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 University 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 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. During 1927-1928, the Regents let contracts for four new buildings which have been constructed and are now in service, namely, a gymnasium, a lecture hall, a biology building, and a residential hall for men. During 1929-1930 a dining hall, a women's dormitory, a classroom building, and a residence for the president are in the course of construction. The University is serving a larger number of people through an increased 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 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 discoveries. 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 lights, 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 a public school system which compares favorably with the systems of much larger eastern cities. 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 to 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 life; and lectures and addresses, concerts and plays, musical and literary gatherings occur throughout the year.

AIM, SUPPORT, AND GOVERNMENT

AIM

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.

The relation between the University and accredited high schools is such that 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.

In the performance of its function the University is endeavoring to attract young men and women of ability and character. The University intends that all of the resources of higher education may be made available for such students in their efforts to prepare themselves for leadership in business and in industry, in the professions and in public life.

SUPPORT

The University is supported in part by appropriations, in part by income from the proceeds of the rental of lands granted to it by the Federal Government when New Mexico became a state, and in part by the income from royalties on the oil taken from these lands. 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. Five regents are appointed by the Governor of the State; the Governor and the 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 on the University campus include the Administration Building, Biology Building, Chemistry Building, Classroom Building, Dining Hall, Gymnasium, Hadley Hall, Korber Buildings, Lecture Hall, Library, Music Hall, Power House, Residential Halls (three for women and two for men), Rodey Hall, Sara Raynolds Hall, and Science Hall.

THE LIBRARY

The Library consists of 33,104 bound volumes and 55,968 pamphlets. It 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 col-

lection. The Library receives 277 general and technical periodicals, and through the courtesy of New Mexico newspaper editors a number of the state papers are available.

The Library is primarily for the use of the faculty and the students in all the departments of the University but residents of the state are urged to consult it freely. Books and pamphlets will be loaned upon request, and, where it is impossible to lend material, reference lists or suggestions as to the source of information are gladly given.

During the fall and spring semesters the Library is open every day, except Saturday and Sunday, from 7:30 a. m. to 9 p. m.; on Saturday from 7:45 a. m. to 5 p. m. During the summer session the hours are from 6:45 a. m. to 9 p. m. every day except Sunday.

ADMISSION TO THE UNIVERSITY

METHODS OF ADMISSION

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. Applicants for admission to the Graduate School are referred to page 26.

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. 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 second-

ary 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 sciences or natural sciences, 2 units.

All other applicants, except Adult Special Students, are subject to entrance examinations as specified in paragraphs 1, 2, & 3 of the quantitative admission requirements given on the following pages.

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 any of

the undergraduate colleges 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 AND COLLEGE OF EDUCATION

For admission to either of these colleges, 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 Schools of 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, and solid geometry, 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.

FRESHMAN WEEK

At the opening of the fall term of 1930-31 a "Freshman Week" program will be inaugurated. This program will start Thursday morning, September 11, at nine o'clock and continue through the succeeding Sunday. Instructions and information of all kinds regarding the University will be given. Besides preliminary tests and registration of freshmen, numerous recreational events will be carried on during this period. The purpose of Freshman Week is to make the new student feel at home from the beginning, to put him in touch with the proper advisers and counselors, and to familiarize him with University methods and routine, so that when the regular work begins it will not be necessary for him to spend the usual time and energy in making adjustments.

Attendance of all freshmen is required for the full period.

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.

In the College of Engineering aptitude tests in mathematics are required, and tests in Spanish are given by the Department of Modern Language. The majority of these tests are administered during Freshman Week.

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 the applicant may re-register at any time in the institution last attended.

To be eligible for admission, students intending 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 for 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 directly to the Registrar from the institution issuing them; all other documents are subject to certification. The evaluation of transcripts for advanced standing is made by the Committee on Entrance and Credits 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 carrying a minimum of twelve semester hours 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 OF AUDITORS

Mature students who are not enrolled in the University may attend classes as auditors, without credit, upon the permission of the instructors concerned and of the dean of the college in which most of the audited courses lie, and upon the payment of the same fees as are paid by regular students.

Auditors are not expected to recite, take tests, perform experiments, or otherwise participate in the activities of the class. They shall, upon registration, declare themselves as auditors, and may not change to a credit basis after the first six weeks.

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 19.)

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 Entrance and Credits pass upon the credentials of prospective students. *These transcripts should be received by the University at least one week 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 at least one week before Registration Day. When transcripts are presented on Registration Day, their bearers will appear before the Registrar. All transcripts personally presented are subject to verification.

(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 Health Education) or arrange for such appointment before his program of studies will be approved finally by the Dean.

(6) The student must present his card to the Dean of Men or the Dean of Women for approval.

(7) The student then applies to the Dean of his College for final approval of the program of studies which has been selected.

(8) Students who fail to keep their appointments for physical examinations, mental tests, and other appointments which are a part of registration, shall, unless such absence is excused by the dean, be subject to the regular fee for a special examination.

LATE REGISTRATION

Certification of records of past work, registration in courses, 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 five dollars.

Students will not be admitted to the University more than ten days after the opening of a semester, except with the permission of the Dean.

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. Changes made after two weeks, except on written demand of the instructor, will require payment of one dollar.

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. Students, however, to meet requirement of eligibility, must enroll in at least 15 credit hours.

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 from one-third to one-half credit hour. One lesson in voice, or piano, a week throughout a semester earns two credit hours.

REGULATIONS ON ATTENDANCE OF UNDERGRADUATES

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. It is the duty of the student to take the initiative in holding a conference with his instructors in regard to making up lost work.
3. It shall lie in the province of the instructor:
 - a. To decide how the grade in the course is affected by non-attendance at class exercises;
 - b. To judge as to whether the student can make up lost

work due to absences, and how the student may make up such lost work;

- c. To decide when the student is not entitled to credit on account of absence and to recommend dismissal from the course as provided in section 4.
4. It shall lie in the province of the Dean to administer discipline for neglect of duty as indicated by unexcused absences:
 - a. To withdraw a student from a course with the grade of WF when the instructor reports that the student cannot pass the course on account of failure to complete a sufficient amount of work, due to absences or to any other cause.
 - b. To recommend dismissal from the University on the ground of neglect of duty when a student has thus been withdrawn from two courses, including physical education and assembly.
5.
 - a. Absences are excusable when incurred by students who are granted permission in advance by the Dean of Men or Dean of Women to represent the University in some approved activity outside the city. Such permission shall be applied for by the director of the activity.
 - b. Absences incurred on account of illness amounting to two or more successive days may be excused by the Dean of Men or Dean of Women on the statement of the attending physician or responsible person.
 - c. The Dean concerned will notify the instructors of the cause of such absences. The term "excused absence" means merely that administrative officials will not impose discipline on account of absences, also that the student is to no extent exempted from the class work assigned for the days in which the excused absences were incurred.

6. Instructors will keep a record of class attendance and will report absences:
 - a. When two are incurred on successive meetings of class;
 - b. When the number of absences under operation of section 3 warrants dismissal from the course;
 - c. At the end of each six weeks period and at the end of semester or other session.
7. Students who are absent from the final examinations or other closing exercises of the classes in which they are enrolled shall be marked F, X, or I. The grade of F is indicated where the previous record is such that the student cannot pass the course no matter what grade he may make on the final examination. The grade of X or I is indicated if the student's previous record shows that he may pass the course by making a certain passing mark in the final examination. The grade of I may be given instead of X when the absence from examination is excused.
8. An absence incurred on the day preceding or on the day following a holiday shall be counted as two absences.
9. Absences due to late registration are treated on the same basis as absences incurred after registration.

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 approximately as follows:

A	100-93	Excellent.
B	92-85	Good.
C	84-77	Average.
D	76-70	Barely Passing.

I—Work not completed.

X----- 69-60-----Conditioned.

F-----below 60-----Failed.

WF—Withdrawn before end of semester with grade of F.

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 reasons.

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 the Dean of Men or Dean of Women, 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 five weeks of the following semester of residence, to change the grade of I to a passing grade. Special examinations will be given when final examinations were missed. 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 fifth week of the following semester. (Cf. Special Examinations.) Any condition remaining unremoved becomes automatically a failure after the time has expired for the removal of such conditions. Only one opportunity is allowed for the removal of a condition.

Students who withdraw from a course in which they are not making a passing grade shall receive a final grade of WF.

Capable students who chronically make low grades will be dismissed 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 examinations. No fee shall be charged for the removal of an Incomplete, if the grade of Incomplete shall have been given for reasons approved by the Dean of the College. 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 a course when sanctioned for any other time than that provided for in the schedule, and for each special examination held to remove conditions. The instructor shall decide whether the fee shall be collected for special examination given within the semester.

Special examination fee is assessed in cases of failure to take, at the appointed time, physical examination, mental or other tests, which are essential parts of registration.

No final examination may be given to a class before the time appointed by the Committee on Courses of Study.

DISHONESTY IN EXAMINATIONS

A student found guilty of dishonest practices in a quiz, test, examination, or other work, may be suspended or dismissed, or otherwise penalized.

SUSPENSION FOR LOW GRADES

Any student who fails to maintain a satisfactory academic standing, may, on the recommendation of the Com-

mittee on Student Standing, and of the Dean, and with the authorization of the President, be suspended from the University and may be debarred from registration until such time as they see fit to readmit him.

HONORABLE DISMISSALS

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 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, but credits earned in correspondence courses are not counted towards this requirement. 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 any College are based upon both quantity and quality of the work completed by the candidate. The quantitative requirement is 128 credit hours in the Colleges of Arts and Sciences

and of Education, and 148 in the College of Engineering, based on an average quality of work. These amounts include credit hours earned in the prescribed courses in Health and credit hours earned in prescribed courses in Physical Education, but not those credit hours earned by attending University 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. The maximum dividends allowed on account of A's and B's are 4 hours, so that a minimum of 124 hours is required for a degree in the Colleges of Arts and Sciences and of Education. No dividends are given in the College of Engineering. (See also other requirements existing in the undergraduate Colleges, pages 55, 64, and 90)

HEALTH

Health 1 or Health 2 must be taken by all students in all undergraduate colleges of the University in their freshman year.

MEDICAL EXAMINATIONS

A medical examination is required each year of each student.

PHYSICAL EDUCATION

Physical Education 1, 2, 51, 52 or 5, 6, 55, 56 must be taken by all students of all colleges of the University, in their freshman and sophomore years, or in the first two years of residence in the case of students entering with advanced standing who do not have credit in similar courses. Each course earns one credit hour. A total of four credit hours, four semesters' work, must be earned for any baccalaureate degree, beginning with the class of 1931.

UNIVERSITY ASSEMBLIES

Assemblies are held 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. 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.

HAZING

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

GENERAL CONDUCT OF STUDENTS

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. All students should know the contents of the official *Handbook for the Guidance of Undergraduate Students*.

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 that the interests of the institution may demand.

Matriculation fee ⁽¹⁾	\$ 5.00
Tuition, per semester, resident students ⁽²⁾ ----	15.00
Tuition, per semester, non-resident students ⁽²⁾ --	35.00
Student activities fee, per semester ⁽³⁾	6.00
Guarantee deposit	10.00

(1) *Matriculation Fee*: The Laws of the State of New Mexico, 1923, require that the University of New Mexico shall charge a matriculation fee of not less than five dollars for each and every student upon enrolling, such matriculation fee to be paid once only.

(2) *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.)

At the time of registration, a guarantee deposit of \$10.00 to cover possible breakage or damage to University property is required of each student. This deposit, or the balance thereof, is returned when the student leaves the University.

Graduate students and students who register in courses earning not more than six credit hours will pay the following fees only:

Matriculation fee	\$ 5.00
Tuition, per semester, resident students	10.00
Tuition, per semester, non-resident students ---	25.00

Students voluntarily withdrawing from 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 except the guarantee deposit will be returned. 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.

In addition to the general fees listed above the following special fees are charged:

Late Registration fee	\$ 5.00
Special Examination fee	2.00
Change in Program fee	1.00
Diploma fee, Graduate	10.00
Diploma fee, Undergraduate	5.00
Health fee, per semester	1.00

(3) The Student Activities Fee (\$6) 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.

Certification of records of past work, registration in courses, or payment of fees after the regular time appointed for these purposes, except for reasons approved by the President or Deans, requires the payment of the late registration fee.

Information regarding special examinations will be found under the heading of General Academic Regulations on page 27.

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

LABORATORY FEES

There is an extra charge for certain laboratory, music, and art courses. The amounts of these fees will be found after the description of each course. These fees are collected during the third and fourth weeks of each semester and are not refunded on account of withdrawal or dismissal from the course after that time. A fine of \$1.00 is charged for late payment of such fees.

BOARD AND LODGING

Three residential halls for women and two for men are provided for resident students of the University. A proctor with full supervisory power is in charge of each dormitory. Single and double rooms and suites for two or three occupants are provided. The rooms are furnished, but students must supply their own bedding, towels, etc., and pay their own laundry bills. Occupants of rooms are required to keep their rooms in clean, attractive condition, and to observe all regulations therefor.

Prices of rooms vary from \$7.50 to \$15.00 per month in the Women's Dormitories. All rooms in the Men's Dormitories are \$7.50.

Prospective students desiring to reserve rooms should make application for such reservations early, as the number of available rooms is limited. The application must be accompanied by a reservation fee of \$5.00. This fee will not be refunded for any reason after the beginning of the session, and in case of failure to attend the University it will be refunded only if requested prior to the opening of the session. After enrollment, the reservation fee will apply toward the student's account for room.

Guests are entertained in the Residential Halls with the consent of the Proctors who are in charge.

The Board of Regents requires that persons living in the Residential Halls shall obtain their meals at the Dining Hall. Any person connected with the University, whether living on or off the campus, may obtain meals at the Dining Hall at the rate of \$25.00 per calendar month, paid in advance. This rate is not subject to deduction except on account of absence for seven or more consecutive days for reasons approved by the Director of the Dining Hall. For any period of less than one month, the rate is \$1.00 per day. Single meals will be supplied to those connected with the University at the following rates:

Breakfast	35c
Lunch	50c
Dinner	50c
Dinner on Sundays and holidays	75c

Non-transferable books of twenty coupons good for noon-day luncheon on week days, except holidays, may be purchased by students or faculty members for \$8.00.

The above prices are subject to change at any time.

STUDENT EMPLOYMENT

Students desiring part-time employment in order to earn the whole or part of their expenses while attending the University are invited to confer with the Employment Bureau. No charge is made for this service.

Neither the University nor the Employment Bureau can guarantee positions in advance, but the Employment Bureau does make contacts between the student applicants and the various employment opportunities after the arrival of the student. It does not undertake to make arrangements with respect to remuneration. Each student is confronted with the necessity of making favorable impressions with the employers, and then of rendering good service in his position.

The student who finds it necessary to engage in outside work should not attempt ordinarily to carry a full schedule of studies. The usual schedule is sixteen hours each week, while fourteen hours per week is the minimum schedule. Each recitation hour requires at least two study hours for preparation. These facts should be considered by students in preparing their class schedules, and in the allotment of their other time. The faculty may limit the student's schedule in the interests of health and academic efficiency.

Some students earn the whole or part of their expenses while attending the University, devoting several hours each day to remunerative employment. This work includes such jobs as stenographic work, housework, paper graders and readers, office work, librarians, clerks, laundry agents, tutors, children's maids, general outdoor work, waiters, soda clerks, salesmen, express handlers, etc. Students are employed on the campus wherever advisable, as janitors, waiters in the dining room, helpers in the kitchen etc. The bulk of the employment, however, is found in the homes and business houses of Albuquerque.

Board and lodging can usually be obtained in exchange for three to four hours of housework daily. Opportunities also exist for obtaining employment on an hourly or weekly basis in many fields. Students especially qualified for certain occupations can occasionally find employment on a more remunerative basis than in the fields mentioned above.

Various positions about the grounds and buildings of the University, paying from \$10.00 to \$30.00 per month, are filled by students who must be self-supporting. The number, however, is not large and preference is given to students from New Mexico and to those who have spent enough time in the University to demonstrate that they are earnest, capable young people, able to do this outside work and at the same time maintain a good record as students.

Inquiries concerning opportunities for employment should be addressed to the Employment Bureau of the University.

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.

Recent additions to the fund have been: \$500.00 from the Alumni Association, \$150.00 from the American Association of University Women, \$250.00 from Mr. E. J. Marchant, \$250.00 from Mr. Alfred Wikstrom, and \$100.00 from Mr. J. O. Seth. Assistance has also been given to students privately by Mr. John Hutchinson.

Other funds available to students in New Mexico institutions of higher learning are:

Revolving Loan Fund of the Ancient, Free and Accepted Masons of New Mexico.

Educational Loan Fund of the Grand Commandery of Knights Templars of New Mexico.

Rotary Loan Fund — A. B. McGaffey Memorial Loan Fund.

Eighty per cent of the last named is devoted to use among students at the University. It is restricted, however, to students above Freshman standing.

ROOM REGISTRY

In addition to the accommodations provided in the dormitories and in the various fraternity and sorority houses, the Deans of Men and Women maintain a room registry to assist students in securing suitable places to live while attending the University.

HONORS AND PRIZES

Annually, during the Commencement exercises, the President of the University announces the names of those students who are entitled to the following awards:

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 \$500, the interest on which is 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, on recommendation of a Faculty committee, to a senior student of good character, who has had a continuous residence of not less than two full academic years and shall have obtained during his senior

year the highest general average for scholarship in a regular course of not less than fourteen hours leading to the Bachelor's degree in the College of Arts and Sciences. The medal can be awarded to the same student 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 by the President of the University, on recommendation of a Faculty committee, to a senior student in Engineering in residence and taking a full course. This award will be made upon the basis of excellence of scholastic record and character during the two consecutive years in this institution.

MARIAN COONS KINDNESS AWARD

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

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 fund to be used in assisting women during the second semester of their Freshman year. 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 KATHERINE MATHER SIMMS AWARD

In 1921, Mr. Albert G. Simms, of Albuquerque, presented, in memory of his deceased wife, Katherine Mather Simms, 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.

H. L. DOUGHERTY AWARD

In 1927, a sum of money was given to the University by the friends of the late Harry L. Dougherty, Assistant Professor of Civil Engineering, who, at the time of his death, was on leave of absence from his University duties. The income from this gift is awarded annually in cash to that underclassman in 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.

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.

SIGMA TAU MEDAL

The Sigma Tau Medal is awarded each year to the Freshman Engineer whose weighted average grade for the year is the highest.

THE OREN W. STRONG AWARD

During the fall of 1929 Mr. Oren W. Strong established this award of \$50 to be given annually by the President of the University on the recommendation of a faculty committee, to the student in the University who shall have fulfilled the following conditions:

1. To be considered for this prize a student must have an academic average of at least 85.
2. The student to whom this prize shall be awarded must be under the necessity of earning his living expenses.
3. As between two or more students with approximately the same scholastic average, preference shall be given to the one earning the larger share of his necessary expenses.

The name of the student winning this award shall be announced at Commencement Time, the money to be paid to him upon his registration the following fall.

THE GRUNSFELD MEMORIAL FOUNDATIONS

In October, 1927, Mrs. Miriam 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 from this trust fund is to be used in the payment of the scholarship.

In 1929, Mrs. Grunsfeld donated \$5,000.00 to establish a second scholarship to be known as the Miriam N. Grunsfeld Memorial Foundation. This scholarship was to be awarded in every way just as the other, except that if the first is awarded to a boy the second must be awarded to a girl, and vice versa.

At commencement in each school year, the President of the University shall, upon the recommendation of a committee of the faculty appointed by him, award the scholarship to some worthy student, for the purpose of enabling the student to continue his or her education during the next school year. The scholarship shall be awarded in accordance with the following conditions:

1. To be eligible for the scholarship, students must be residents of the State of New Mexico, and it is also required that during that school year immediately precedent the award they shall have been in actual attendance upon the University, that they shall have been registered as full-time students, that they shall have been enrolled in the Department of History and Political Science, and that they shall not be above the grade of junior.
2. In selecting the student to receive the award, consideration shall be given to the general scholarship of the student, and to his or her financial necessities.

When the student who has received the award shall register at the beginning of the next regular school year, he 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 Two Hundred Dollars (\$200), and at the beginning of the

second semester a like sum shall be paid. This money shall be used by the student for his or her expenses during the school year for which the scholarship was awarded. If the students designated shall attend the University for only the first semester and 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.

THE UNKNOWN DONOR SCHOLARSHIP

In 1927, a friend of the University, wishing his name withheld, named a committee to award the scholarships available under the fund which he established at that time. The plan contemplates the awarding each year of two scholarships, valued at \$500.00 each, to a boy and a girl, both graduates of New Mexico high schools, entering the freshman class until there are eight students in the University receiving the benefit of these scholarships. Thereafter the number will be maintained at eight. The donor's idea is the development of educated and intelligent leadership in New Mexico, and in awarding these scholarships, the committee considers the personal qualifications of the applicants as well as their scholastic standing. If the recipient proves worthy during the first year at the University, the scholarship may be continued during such of the following three years as the conduct and scholastic standing merits.

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 two

hundred dollars each. The scholarships are awarded annually by a Committee of the Faculty. Candidates must meet the following qualifications: they must be residents of New Mexico, preferably living in Albuquerque; in good health; of good moral character; of high scholastic standing; and intending to teach. Candidates for these scholarships should make written application to the President of the University before July 1. Final selections for the next academic year will be made regularly during the month of July.

CUTTING FELLOWSHIP FOR GRADUATES

In September, 1929, a fund was provided through the generosity of Senator Bronson M. Cutting for work in the field of Spanish literature and folk-lore. The recipient of this fund for 1929-1930 is Mr. Arthur Campa, who spent the year in study of the general cultural background of the Spanish-Americans of this area.

GRADUATE FELLOWSHIPS

Six to eight Fellowships, each with a stipend of \$500, are available to graduate students. Holders of these fellowships are expected to perform certain limited services as teachers or laboratory assistants in the department to which they are assigned. This department must be the major department of graduate study, and each holder of a fellowship will be required to pursue advanced courses in the department during his term as a fellow.

Correspondence in regard to the fellowships may be addressed to the Director of the Graduate School, or to the head of the department in which the candidate proposes to do his major work.

THE CECIL RHODES SCHOLARSHIPS

In accordance with the provisions of the will of Cecil Rhodes, awarding two scholarships every two years to each State and Territory in the United States, tenable at Oxford, England, and of the annual value of \$2,000, 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.

RECENT GIFTS AND DONATIONS

Quarai Ruins — Through the generosity of friends in Albuquerque, the Quarai Ruins, near Mountainair, New Mexico, at the place called "Punto de Agua," probably the largest and most extensive from an archaeological standpoint of any ruins in the state, have been secured for the University. Provision has also been made to fence these ruins.

San Diego de Jemez Grant — In the fall of 1928 the officers of the White Pine Lumber Company generously donated to the University of New Mexico all of the ruins which lie on the San Diego de Jemez Grant. This important acquisition of ruins gives the University fifteen or twenty very important ruins in this area of the state. The generosity of the company was due in no small part to the active interest of Ex-Governor MacCorkle, of West Virginia, President of the company.

Bryan Collection — A collection of books, maps, pictures and other objects connected with the Polaris expedition to the North Pole in 1871-1873 has been presented to the University of New Mexico Library by Mrs. R. W. D.

Bryan, widow of R. W. D. Bryan, who at the time of his death in 1913 was president of the Board of Regents.. Mr. Bryan accompanied the Polaris expedition as U. S. government astronomer.

HONOR FRATERNITIES

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 fifth of his class in scholarship.

The national engineering fraternity of Sigma Tau granted a chapter, known as Chi Chapter, to the University of New Mexico in December, 1928. Elections are made from the junior and senior classes each year. Any white male person duly registered in any of the engineering courses who has become a junior by the college records, is eligible to active membership. The candidate must rank in the upper third of his class in scholarship, and his selection is based upon scholarship, sociability, and practicality.

The New Mexico Alpha Chapter of Theta Alpha Phi, the national honorary dramatic fraternity, was installed in May, 1928. To be eligible for active membership, the student must meet the eligibility rules of the University and must qualify under at least one of the following conditions: excellence in two major or four minor roles; successful play management of three plays; stage management of three plays; or property management of three plays.

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," which controls the other organizations of general interest. The editorial

and managerial boards of the newspaper *The New Mexico Lobo*, and the 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. Debates are held with other educational institutions, representatives being chosen through the medium of the Forum. All athletic activities are under the direction of the Athletic Council, and are subject to the approval of the Faculty and the 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 Español, the Tennis Club, the Student Chapter of the American Association of Engineers, the Independent Men, and the Independent Women. The honorary society of Mortarboard Junior, elected among women members of the Junior class, and a similar society among the men, known as Khatali, are both active upon the campus. In addition, Pan-Hellenic and Interfraternity organizations take a prominent place in student activities.

The University will not be responsible for debts incurred by any student or student organization. By order of the Board of 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 named authority.

FRATERNITIES

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.

To set up, to advocate, or to encourage class barriers is against the ideals and purposes of a State University sustained by taxation of the people. So long as fraternities continue to realize that they exist for and by the University the prevailing wholesome cooperation with these groups will continue. The fraternities 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. Five national fraternities, Pi Kappa Alpha, Sigma Chi, Kappa Sigma, Sigma Phi Epsilon, and Kappa Alpha (southern), are represented among University men, and six national fraternities, Kappa Kappa Gamma, Alpha Delta Pi, Phi Mu, Alpha Chi Omega, Chi Omega, and Beta Sigma Omicron, among the women. The womens' fraternities have formed a local Pan-Hellenic Association. The fraternities own houses near the Campus.

The Board of Regents has authorized the fraternities 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.

MILITARY TRAINING

Application has been made to the United States Government by the Board of Regents in behalf of the University for a unit of the Reserve Officer's Training Corps, which unit, in general, would be similar to those now in existence in most of the other State Universities. The establishment of this unit awaits appropriation by Congress. In the meantime, there has been established on the

campus a unit of the New Mexico National Guard, in which enlistment is entirely voluntary. This unit belongs to the 120th Engineers. There is also in the city a troop of cavalry, a military band, and a medical unit. These organizations afford an opportunity for training which is necessary for those desiring to secure a commission in the Officers' Reserve Corps. Members of these units are paid for their drills in accordance with their rank, receiving the same base pay as the corresponding rank in the Regular Army.

In addition to the training offered by these units, the University is offering a basic course in Military Science. This basic course assists the student in fulfilling the requirements for a commission in the Reserve Corps.

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 anthropology, architecture, art, 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, library science, mathematics, music, physics, psychology, and modern 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 credit from the other under-graduate college.

GRADUATION REQUIREMENTS

The quantitative requirement of 128 hours is based upon work of average quality. This amount is reduced slightly for higher grades than C and is increased for lower grades than C. (See page 35) Ninety hours of the total required for a degree must be of C grade or better.

A certain amount of the four years' work 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, foreign languages, the sciences and mathematics, and the social sciences. During the junior and senior years about one-half of the student's time is devoted to major and minor studies (see page 57), and electives are chosen with the advice and approval of the head of the department in which the student has chosen his major study.

The requirements in Health, Physical Education, and Public Assembly are explained on pages 35 and 36.

GROUP REQUIREMENTS FOR DEGREES

(*Note.*—Group requirements should, if possible, be completed by the end of the sophomore year. No student shall be classified as a junior who is deficient in more than four hours of these requirements.)

I. English. Six credit hours must be earned in English 21 and 22, and three 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 six credit hours in the same language, or twelve 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 eighteen credit hours.

III. Social Sciences. Courses earning nine credit hours must be completed in this group. Not more than six 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 to twelve credit hours. The subjects contained in this group are:

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

IV. Mathematics and Sciences. Courses earning twelve credit hours must be completed in this group, and of the

twelve, at least six must be in courses that require laboratory work. Not more than eight 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 eighteen 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 twenty-four 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 twelve 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 or minor studies must be earned in this University. No advanced standing in the major or minor studies is granted to a student presenting credits from

another institution until after he has been in residence at this University for at least one semester and then only after the completion of three credit hours in the major study at this University.

Note: Majors or minors in Education are not accepted toward degrees in this college. However, students registered in this college may elect those courses in Education for which they will have met the prerequisites, subject to the consent of their dean, and of their major advisor. Students who expect to enter the teaching profession are advised to register in the College of Education.

RESTRICTION IN ELECTIVES

Not more than fifty 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.

MAXIMUM AND MINIMUM NUMBER OF HOURS

Each student shall enroll in courses earning not less than fourteen credit hours, except for reasons presented in writing and duly approved by the Dean.

No member of this College may enroll in courses which earn more than seventeen 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 Student Standing, who may, in their discretion, grant permission to enroll for extra work up to a maximum of nineteen credit hours, including non-credit courses.

DEGREES

Upon recommendation of the President and Faculty, the degree of Bachelor of Arts is conferred by the Board of Regents upon those candidates who have completed the requirements for the same (See pages 34 and 55). If such candidates have completed a major study in Group IV, they may, upon request, receive the degree of Bachelor of Science.

GENERAL CURRICULUM

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

- A. Physical Education ----- 1 hour
- B. English ----- 3 hours
- C. Health ----- 2 hours
- D. Foreign language ----- 3-5 hours
- E. Anthropology, History, Political Science or Economics 3 hours
- F. Mathematics, Physics, Chemistry, Geology, or Biology -- 3-6 hours
- G. Electives ----- 0-4 hours

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

Art.

Home Economics.

Music.

Practical Mechanics.

Library Science.

Total ----- 15-17 hours

In their second year, students will register for physical education and for such courses as will complete the group requirements, and they will take second courses in the subject in which they expect to complete the requirements of a major and of a minor study.

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

CURRICULUM IN HOME ECONOMICS

FIRST YEAR

First Semester		Second Semester	
English (21) -----	3	English (22) -----	3
Health -----	2	Phys. Educ. (6) ----	1

Phys. Educ. (5) -----	1	For. Lang. -----	3-5
For. Lang. -----	3-5	Chemistry (2) -----	4
Chemistry (1) -----	4	Home Econ. (12) -----	3
Home Econ. (11) -----	3	Electives -----	0-3
Electives -----	0-3		

SECOND YEAR

First Semester		Second Semester	
Physical Educ. (55) --	1	Physical Educ. (56) --	1
Biology (1) -----	4	Biology (54) -----	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

First Semester		Second Semester	
Physics (61) -----	3	Biology (93) -----	3
Home Econ. (to complete major)		Home Econ. (to complete major)	
English -----	3	Electives -----	0-9
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. There are, however, a number of the leading medical schools whose admission requirement exceeds that approved by the Council on Medical Education, ranging from a minimum of 65 semester hours in some schools to a Bachelor of Arts degree in others. 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 a 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 the particular school.

The following subjects are included in the minimum two years of required, or the three years of recommended college work:

Required Courses:	Semester Hours
Physical Education	4
Chemistry	12-16
Biology	8-12
Physics	8
English	6
French or German	6-12
Electives	11-20

Courses Advised (Electives):

Mathematics, including Algebra and Trigonometry -----	6
Psychology -----	3- 6
Latin -----	6-12
Economics -----	3- 6
History -----	3- 6
Additional Chemistry -----	3- 6
Additional Biology -----	3- 6

SUGGESTIONS REGARDING INDIVIDUAL SUBJECTS

Chemistry.—Twelve semester hours is the minimum requirement, of which eight must be in general inorganic chemistry (including four credit hours of laboratory work). The remaining four hours should be organic chemistry. Those institutions specifying a requirement of more than twelve hours of chemistry recommend quantitative analysis in addition to the above.

Biology.—The eight semester hours required in this subject may consist of general biology, or zoology, or four hours each of zoology and botany, but not of botany alone. Four of the required eight hours must consist of laboratory work. Medical schools requiring more than eight hours in this subject specify comparative vertebrate anatomy, and recommend additional work in animal histology, embryology, or animal physiology.

Physics.—It is urged that the work in physics be preceded by a course in trigonometry. Eight semester hours of physics are required.

English.—The usual six hours of college composition are required, and one three-hour advanced course is advised.

French or German.—A reading knowledge of one of these languages is essential.

Electives.—Many of the medical colleges strongly advise courses in psychology, mathematics, economics, history, and Latin. Unless a student plans to spend more than two years in pre-medical work, it would be inadvisable to

elect courses in addition to the maximum requirements in chemistry, biology, and physics.

THE 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 the following two objectives: (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 for 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 to develop the practical side of the work in conjunction with the more theoretical part of the curricula. This is done through scheduled work in adequately equipped laboratories, frequent inspection trips to various industries, and contact in the class room with faculty members who have had, besides their training as teachers, considerable experience in the industries.

PROGRAM OF STUDIES

Each student will enroll in courses earning not less than fifteen nor more than twenty credit hours, except when permitted to do so by proper authority. Permission may be granted by the Dean to take less than fifteen hours upon presentation of a written petition. Permission to

enroll in more than twenty hours must be obtained from both the Committee on 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 148 credit hours including all prescribed courses in their respective curricula. Two-thirds of the credit hours in the required work must be above the grade of D.

(Note: This rule shall become effective progressively, beginning with the Freshman Class of 1929-30.)

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 in English 21, 22, and 65.

Students deficient in advanced algebra will make up this deficiency their first semester by taking Math. 11 instead of Math. 17 as scheduled, only five hours of the six being given credit toward graduation.

Those deficient in Solid Geometry will make up this deficiency during their first semester by including in their schedule Math. A, for which no college credit is granted.

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 plants is the large shops of the Santa Fe Railroad system. Arrangements have been made with the officials of the railroad whereby the various classes are permitted not only 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. There are, also, a telephone exchange including one of the trans-continental repeater stations, a large telegraph office equipped with the printing telegraph, and modern city water and sewage 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 \$10,000-000 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.

Two standard itineraries, made in alternate years, have been developed for these trips. As these are required of all Juniors and Seniors, a student, upon graduating from the College of Engineering, has visited and become acquainted with most of his state. One of the itineraries is to the north, and includes the steel mill and other industries of Pueblo, the smelter at Durango, and the mines of the Pecos. The other of the two itineraries covers the southern part of New Mexico, including Elephant Butte Reservoir, the lower Rio Grande Irrigation District, the mines and ore mills of the Silver City District, El Paso, with its cement plant, smelter and wood working mill, the oil fields of the Artesia district, and the wonders of the Carlsbad Cavern.

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 chemistry building, including an open air laboratory in the patio of the building, and have a combined capacity for 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, standard sieves, and sifting machine.

HYDRAULICS LABORATORY

The hydraulics 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 the 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, Venturi meter and hook gauge, 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, 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 two K & E precise engineers' transits equipped with the new internal focusing device, 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, three Gurly light mountain transits, each equipped with a Burt solar attachment and one sextant, for different leveling, one new K & E dumpy level equipped with the internal focusing device, one

Lietz wye level, one Lietz dumpy level, one K & E wye level, one Gurly 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, stadia slide rules, planimeters, compass and level tubes, cloth and steel tapes, including two Precise tapes and three thermometers used for precise measurements.

ELECTRICAL ENGINEERING LABORATORY

The laboratory is equipped adequately for all standard experimental work in electrical measurements, in the testing of direct and alternating current machinery, and for demonstration work in all branches of applied electricity.

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 50,000 volt testing transformer, an oscillograph, 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 voltage, current, power, energy, frequency, and power factor, together with various special purpose meters. A varied assortment of apparatus is available for demonstration purposes in radio, communications, and signalling.

GEOLOGICAL ENGINEERING LABORATORY

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.

CURRICULA OFFERED BY THE COLLEGE OF ENGINEERING

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 indicate 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. 17	Algebra and Trig. --	5	0	5
M. E. 17	Drawing & Desc. Geom. 1	6	6	3
Hyg. 1	Hygiene Lectures ----	2	0	2
P. E. 1	Physical Education --	3	0	1

Second Semester

Chem. 2	Inorganic	3	3	4
Eng. 22	Rhetoric	3	0	3
Math. 18	Trig. & Anal. Geom.	5	0	5
M. E. 18	Drawing & Desc. Geom.	1	6	3
M. E. 4	Pattern Shop	0	6	2
P. E. 2	Physical Education	3	0	1
				<hr/>
				18

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

For work of first year see page 69.

SECOND YEAR

First Semester

Chem. 51	Qual. Anal.	2	8	5
Math. 53	Calculus	5	0	5
Phys. 51, 53	General Physics	4	3	5
Elective	Lang. or Econ.	3-5	0	3-5
P. E. 3	Physical Education	3	0	1
				<hr/>
				19-21

Second Semester

Chem. 52	Quan. Anal.	0	6	3
Math. 54	Calculus	5	0	5
Phys. 52, 54	General Physics	4	3	5
M. E. 6	Machine Shop	0	6	2
Elective	Lang. or Econ.	3-5	0	3-5
P. E. 4	Physical Education	3	0	1
				<hr/>
				19-21

COLLEGE OF ENGINEERING

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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	Thermodynamics ----	3	0	3
E. E. 105, 107	P. & P. of E. E. ----	2	3	3
Electives	As elected 2nd year --	3	0	3
				—
				18

Second Semester

Chem. 62	Organic Laboratory --	0	6	3
Chem. 101	Quan. Anal. -----	0	8	4
E. E. 106, 108	P. & P. of E. E. ----	2	3	3
C. E. 108, 112	Strength of Materials	3	3	4
M. E. 102	Heat Power -----	3	0	3
Electives	As elected 2nd year --	3	0	3
				—
				20

FOURTH YEAR

First Semester

Chem. 112	Industrial -----	2	0	2
Chem. 151	Adv. Quan. Anal. --	0	10	5
C. E. 51, 53	Elem. Surv. -----	2	6	4
Eng. 65	Adv. Comp. -----	3	0	3
Elective	-----			4
				—
				18

Second Semester

Chem. 110	Physical	4	3	5
Chem. 113	Metallurgy	2	0	2
C. E. 110, 114	Hydraulics	2	3	3
C. E. 52, 54	Topographic Surv. ..	1	6	3
Electives			6
				<hr/>
				19

Total 149-153

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

For work of first year see page 69.

SECOND YEAR

First Semester

C. E. 51, 53	Elem. Surveying	2	6	4
Math. 53	Calculus	5	0	5
Physics 51, 53	General Physics	4	3	5
Econ. 1b	Prin. of Econ.	3	0	3
P. E. 3	Physical Educ.	3	0	1
				<hr/>
				18

Second Semester

C. E. 52, 54	Advanced Surveying	1	6	3
Math. 54	Calculus	5	0	5
Physics 52, 54	General Physics	4	3	5
M. E. 6	Machine Shop	0	6	2
Econ. 18	Prin. of Econ.	3	0	3
P. E. 4	Physical Educ.	3	0	1
				<hr/>
				19

Summer Camp

C. E. 107	Surveying -----	0	6	2
-----------	-----------------	---	---	---

THIRD YEAR

First Semester

C. E. 109	Top. Drawing -----	0	3	1
C. E. 101, 103	R. R. Eng. -----	3	3	4
C. E. 105	App. Mechanics -----	4	0	4
M. E. 101	Thermodynamics -----	3	0	3
E. E. 105, 107	P. & P. of E. E. -----	2	3	3
Elective	-----			3

 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	-----			2

 19

FOURTH YEAR

First Semester

Biol. 131	Sanitary Bact. -----	0	4	2
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. 65	Adv. Comp. -----	3	0	3
Geol. 103	Engineering Geol. --	3	3	4

 19

Second Semester

C. E. 152	Graph. Stat. -----	1	6	3
C. E. 164	Sewerage -----	2	9	2
C. E. 166	San. Design -----	0	3	2
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
Electives	-----			3
				<hr/> 18
	Total -----			149

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

For work of first year see page 69.

SECOND YEAR

First Semester

Math. 53	Calculus -----	5	0	5
Phys. 51, 53	Gen. Physics -----	4	3	5
C. E. 51, 53	Elem. Surv. -----	2	6	4
Econ. 53	Prin. of Accounting	1	4	3
P. E. 3	Physical Educ. -----	3	0	1
				<hr/> 18

Second Semester

Math. 54	Calculus -----	5	0	5
Phys. 52, 54	Gen. Physics -----	4	3	5
M. E. 6	Machine Shop -----	0	6	2
Econ. 54	Prin. of Accounting	1	4	3
Elective	-----	3	0	3
P. E. 4	Physical Educ. -----	3	0	1
				<hr/> 19

COLLEGE OF ENGINEERING

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THIRD YEAR

First Semester

E. E. 101, 111	D. C. Machinery ---	4	6	6
C. E. 105	Appl. Mechanics -----	4	0	4
Phys. 112	Elec. & Magnetism --	2	0	2
Phys. 114	Elec. Measurements	0	6	2
M. E. 101	Thermodynamics -----	3	0	3
				—
				17

Second Semester

E. E. 102, 112	A. C. Theory -----	4	6	6
C. E. 103, 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
				—
				20

FOURTH YEAR

First Semester

E. E. 151, 155	A. C. Machinery -----	4	6	6
E. E. 161	Elec. Design -----	1	6	3
E. E. 194	Communications ----	2	0	2
Geol. 103	Engineering Geol. ---	3	3	4
Eng. 65	Adv. Comp. -----	3	0	3
E. E. 197	Electric Traction ----	1	0	1
				—
				19

Second Semester

E. E. 152, 156	A. C. Machinery -----	4	6	6
E. E. 162	Elec. Design -----	2	6	4
E. E. 182	Seminar -----	2	0	2

E. E. 192	Power Plant Eng. ---	1	0	1
E. E. 196	Transmission -----	2	0	2
C. E. 170	Cont. & Spec. -----	2	0	2
E. E. 198	Illumination -----	1	0	1
E. E. 200	Radio & Signalling ---	1	0	1
				<hr/>
				19
				<hr/>
Total -----			148	

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

For work of first year see page 69.

SECOND YEAR

First Semester

Geol. 1	Physical Geol. -----	3	2	4
Math. 53	Calculus -----	5	0	5
Phys. 51, 53	General Physics -----	4	3	5
C. E. 51, 53	Elem. Surveying -----	2	6	4
P. E. 3	Physical Educ. -----	3	0	1
				<hr/>
				19

Second Semester

Geol. 2	Hist. Geol. -----	3	2	4
Math. 54	Calculus -----	5	0	5
Phys. 52, 54	General Physics -----	4	3	5
C. E. 52, 54	Top. Surv. -----	1	6	3
Geol. 54	Geog. of N. America	2	0	2
P. E. 4	Physical Educ. -----	3	0	1
				<hr/>
				20

THIRD YEAR

First Semester

Geol. 51	Mineralogy	1	3	2
E. E. 105, 107	P. & P. of E. E.	2	3	3
M. E. 101	Thermodynamics	3	0	3
Elective	Econ. or Lang.	3-5	0	3-5
C. E. 105	App. Mechanics	4	0	4
Eng. 65	Adv. Comp.	3	0	3
				18-20

Second Semester

Geol. 52	Mineralogy	1	3	2
E. E. 106, 108	P. & P. of E. E.	2	3	3
C. E. 110, 114	Hydraulics	2	3	3
C. E. 108, 112	Strength of Mat.	3	3	4
Elective	Econ. or Lang.	3-5	0	3-5
Geol. 108	Struct. Geol.	2	3	3
				18-20

FOURTH YEAR

First Semester

Geol. 105	New Mexico Geol.	0	6	2
Chem. 51	Qual. Anal.	0	10	5
Chem. 112	Industrial Chem.	2	0	2
Geol. 107	Petrology	2	3	3
Geol. 101	Econ. Geol.	3	0	3
Elective		3	0	3
				18

Second Semester

Geol. 106	Geol. Mapping	0	6	2
Chem. 52	Quan. Anal.	0	8	4

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Chem. 110	Physical Chem. _____	5	0	5
Geol. 102	Econ. Geol. _____	3	0	3
Elective	_____			5
				<hr/> 19
	Total _____			148-152

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

For work of first year see page 69.

SECOND YEAR

First Semester

Math. 53	Calculus _____	5	0	5
Phys. 51, 53	Physics _____	4	3	5
C. E. 51, 53	Surveying _____	2	6	4
Econ. 15	Economics _____	3	0	3
M. E. 51	Machine Drawing _____	0	6	2
P. E. 3	Phys. Educ. _____			1
				<hr/> 20

Second Semester

Math. 54	Calculus _____	5	0	5
Phys. 52, 54	Physics _____	4	3	5
M. E. 6	Machine Shop _____	0	6	2
Econ. 18	Economics _____	3	0	3
M. E. 52	Empirical Design _____	0	6	2
M. E. 54	Materials _____	2	0	2
P. E. 4	Phys. Educ. _____			1
				<hr/> 20

COLLEGE OF ENGINEERING

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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
M. E. 113	Rational Design	2	6	4
Eng. 65	Adv. Comp.	3	0	3
				<hr/>
				18

Second Semester

M. E. 102	Heat Power	3	0	3
M. E. 122	Seminar	1	0	1
E. E. 106, 108	P. & P. of E. E.	2	3	3
C. E. 108, 112	Strength of Materials	3	3	4
M. E. 114	Mechanisms	2	6	4
C. E. 110, 114	Hydraulics	2	3	3
				<hr/>
				18

FOURTH YEAR

First Semester

M. E. 103	Power Plants	3	0	3
M. E. 105	M. E. Lab.	1	6	3
M. E. 115	Machine Design	2	9	5
M. E. 123	Seminar	1	0	1
M. E. 133	Technical Option	3	0	3
Elective		3	0	3
				<hr/>
				18

Second Semester

M. E. 106	Int. Comb. Engine ---	3	0	3
M. E. 118	Plant Design -----	0	6	2
M. E. 116	Machine Design -----	3	3	4
M. E. 124	Seminar -----	1	0	1
M. E. 134	Technical Option ---	3	0	3
M. E. 132	Industrial Management	3	0	3
Elective	-----			3
				<hr/>
				19
				<hr/>
	Total -----			149

COLLEGE OF EDUCATION

On March 12, 1928, the Board of Regents on the recommendation of the faculty established the College of Education. The demand for educational training has become so great that it was thought wise to change from a department to a separate professional college to serve in training the personnel of the elementary and secondary schools of the state. By the establishment of this professional school, the University should be able to organize and set up better standards than those carried on in a department.

PURPOSE OF THE COLLEGE OF EDUCATION

The purpose of the College of Education is to correlate the forces of the University in order to meet the needs of the state in the preparation, training, and certification of teachers, supervisors, and administrative school officers. The College sets for itself these tasks: the thorough training of high school and elementary school teachers; the thorough training of supervisory and administrative officers; the provision of courses in the various fields of Education and opportunities for research. Special consideration will be given to the student who must drop out of the College of Education at the end of the second year to teach before he can complete the curriculum for the bachelor's degree.

The curricula are based upon the assumption that the teacher or supervisory officer should have a broad and liberal education; that he should be master of the subject or group of subjects which he expects to teach; and that this training should be supplemented by professional education designed to give a knowledge of the pupils to be taught, the problems to be met in the art of teaching, and the new meaning of the subjects of instruction. For the prospective teacher this policy has the effect of placing the

emphasis upon the subject he intends to teach, the student majoring in such special subject and taking Education as an auxiliary study. For the supervisors and school executives, however, it is advisable to major in Education.

Graduates from the College of Education who major in Education or the Sciences receive the degree of Bachelor of Science in Education. Those who major in other subjects receive the degree of Bachelor of Arts in Education.

1. Students preparing to teach should follow the courses as outlined. A total of 128 semester hours is required for graduation.

2. A student preparing to teach in the secondary schools must select as a major some one subject which he expects to teach, taking not less than twenty-four hours accepted toward a major by the department concerned, and a minor of not less than twelve semester hours. Such work must be of at least C quality. Courses in which the grade of D is earned are accepted as electives toward graduation but are not accepted for a major or a minor study. Wherever possible the student should secure a second minor of at least twelve semester hours.

3. A student who intends to take the four year curriculum for elementary school teaching is advised to select both his major and minor from the following fields: English, History, Biology.

4. In addition to the required work in majors and minors, professional courses in Education are required as outlined in the various curricula.

5. Students who desire to prepare for supervisory or administrative positions should major in Education and minor in some other subject which has bearing upon their chosen field of work.

6. The quantitative requirement of 128 hours is based upon the 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 35) Ninety hours of the total required for a degree must be of C grade or better.

7. The minimum amount of credit to be obtained in residence is thirty semester hours.

PRACTICE TEACHING FACILITIES

The College of Education has made arrangements with the Albuquerque Public School authorities whereby student teaching is carried on under the personal direction of selected teachers who act as critic teachers under the general direction of a professor of Education in the College of Education.

The curriculum of each student is directed by a series of requirements which distributes his work widely enough to insure a general education and at the same time calls for concentration in two or three lines as an introduction to specialization.

The facilities of the city school system furnish an excellent opportunity for students to work in a practical laboratory where the principles and best practice in teaching can be exemplified and applied. The practice teaching is correlated with the subjects taught in the University by competent professors in this field.

APPOINTMENT BUREAU

An Appointment Bureau is maintained by the University, one function of which is to assist students and graduates of the University to obtain positions in the teaching profession. The bureau aims to secure and keep on file a complete record of the scholarship, experience, and personal qualifications of each candidate for a position. Copies of these records will be mailed to school officials, at their request, or the request of the candidates concerned. Officials seeking teachers should be explicit in their requests, stating the nature of the work to be done, the length of the school year, the approximate salary offered, the approximate cost

of board, and the time when the engagement begins. Whenever a notice of a vacancy is received, the Appointment Bureau will recommend the best available person for the position. The University reserves the right of refusing to extend its cooperation to students who apply for positions for which they are manifestly unfit.

The Appointment Bureau will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

Blanks for registration may be obtained from the Appointment Bureau. Registration must be renewed yearly, preferably during February or March. Communications should be addressed to the Appointment Bureau, University of New Mexico, Albuquerque, New Mexico.

REQUIREMENTS FOR ADMISSION TO COLLEGE OF EDUCATION

The quantitative requirements for admission to the College of Education are the same as those for the College of Arts and Sciences. (See page 21)

The following points will be considered of applicants for admission to the College of Education.

1. Good moral character.
2. Physical fitness.
3. Intellectual fitness.
4. Personal qualities necessary for success in some field of service in Education.

Students may also enter the College of Education with advanced standing from state teachers' colleges or from other institutions; but such students must have on their previous work of college grade an average of at least 80 % or equivalent where 70 % is the passing mark. Applicants who cannot meet this requirement may be admitted on trial. Graduates of the standard two-year curriculum of state teachers' colleges who have graduated previously from a

four year high school (meeting our requirements for entrance to freshman class) are accorded 62 semester hours credit including 16 hours in Education and Psychology. Work done after completion of a two year normal school course will be considered on its merits.

If a student intends to prepare for teaching and to enter the College of Education, the sooner he does so the better, in order that he may be vocationally guided and be enabled to meet all the requirements for graduation and make the necessary professional adjustments. It is difficult and almost impossible to do this unless the student enrolls in the College of Education before the senior year.

Those who do not enter the College of Education until the beginning of their senior year must have had at least 12 hours of Education and Psychology.

CURRICULUM FOR STUDENTS PREPARING TO TEACH IN HIGH SCHOOL

Curriculum for students preparing to teach subjects in high schools and leading to the degree of Bachelor of Arts in Education:

FRESHMAN YEAR

First Semester		Second Semester	
English (Freshman		English (Freshman	
Comp.) -----	3	Comp.) -----	3
Educ. 31 (Introd. to		Educ. 42 (Classroom	
Educ.) -----	2	Org. & Mang't.) -----	3
Science -----	3-5	Science -----	3-5
Social Science -----	3	Social Science -----	3
Foreign Language ---	3-5	Foreign Language ---	3-5
Phys. Educ. -----	1	Phys. Educ. -----	1
Health -----	2		

SOPHOMORE YEAR

First Semester		Second Semester	
English Literature	3	English Literature	3
Psychology (General)	3	Educ. (Educ. Psych.)	3
N. M. History & Civics	3	Social Science	3
Language	3	Language	3
Electives	3	Electives	3
Phys. Educ.	1	Phys. Educ.	1

JUNIOR YEAR

First Semester		Second Semester	
Educ. (Hist. of Educ.)	3	*Teachers' Course	3
Majors and Minors	7-8	Prin. of Teaching	3
Electives	3-6	Major and Minors	5-6
Prin. of Sec. Educ.	3	Electives	3-6

SENIOR YEAR

First Semester		Second Semester	
Majors and Minors	5	Educ. (Practice Teach.)	1-5
*Teachers' Course	3	Major and Minors	3
Electives	8	Electives	8

CURRICULUM FOR STUDENTS PREPARING TO TEACH
IN THE ELEMENTARY SCHOOLS

Four year curriculum for those preparing to teach in the elementary schools and leading to the degree of Bachelor of Arts in Education.

FRESHMAN YEAR

First Semester		Second Semester	
Eng. (Fresh. Comp.)	3	Eng. (Fresh. Comp.)	3
Educ. 31 (Intro. to		Educ. 42 (Classroom	

*According to advice of Dean.

Educ.) -----	2	Org. & Mang't -----	3
Science -----	3-5	Science -----	3-5
Social Science -----	3	Social Science -----	3
Foreign Language -----	3-5	Foreign Language -----	3-5
Phys. Educ. -----	1	Phys. Educ. -----	1
Health -----	2		

SOPHOMORE YEAR

First Semester		Second Semester	
Eng. Lit. -----	3	Eng. Lit. -----	3
Psych. 51 (General) --	3	Psych. 54 (Educ'l) --	3
**N. M. Hist. & Civics	3	Social Science -----	3
Foreign Languages ---	3	Foreign Languages ---	3
Educ. 61 (Superv. of		Educ. 62 (Superv. of	
Elem. Educ. I) ----	3	Elem. Educ. II) ---	3
Phys. Educ -----	1	Phys. Educ -----	1

JUNIOR YEAR

First Semester		Second Semester	
Educ. 63 (Superv. of		Psych. 116 (Statistical	
Elem. Educ. III) ---	2	Methods, Elem.) ---	3
Majors and Minors --	13-15	Majors and Minors --	12-14

SENIOR YEAR

First Semester		Second Semester	
Three hours chosen from the following:			
Educ. 183 (Educ. Psych.		Educ. 64 (Practice	
Adv.) -----	3	Teaching) -----	4
Educ. 185 (Intelligence		Majors and Minors -	11-13
Tests) -----	3		
Educ. 101 (History of			
Educ.) -----	3		
Majors and Minors	12-14		

**Required only of those who expect to teach in this state.

CURRICULUM FOR THE TWO YEAR COURSE

Students who plan on leaving the University at the end of their second year to teach in the elementary schools of New Mexico should take the following courses in Education:

FRESHMAN YEAR

First Semester		Second Semester	
Eng. (Fresh. Comp.)	3	Eng. (Fresh. Comp.)	3
Educ. 31 (Intro. to Educ.)	3	Educ. 42 (Classroom Org. & Mang't.)	3
Science	3-5	Science	3-5
Social Science	3	Social Science	3
Foreign Language	3-5	Foreign Language	3-5
Health	2	Phys. Educ.	1
Phys. Educ.	1		

SOPHOMORE YEAR

First Semester		Second Semester	
Eng. Literature	3	Eng. Literature	3
Psych. 51 (General)	3	Psych. 54 (Educ. Psych.)	3
N. M. Hist. & Civics	3	Educ. 64 (Practice Teaching)	4
Languages	3	Languages	3
Educ. (either 61 or 63)	2	Educ. 62 (Superv. of Elem. Educ. II.)	3
Phys. Educ.	1	Phys. Educ.	1

PUBLIC SCHOOL MUSIC

The following courses are planned to prepare those who wish to teach and supervise music in Public Schools. It will be necessary to follow the outline on subjects for the four years in order to cover the work in Theory, Applied

Music, (Piano, Voice, Violin or Pipe organ) Music Methods, and the regular academic courses. The course will lead to a Bachelor of Arts degree in the school of Education.

When Public School Music is taken as a major subject, a minor should be taken in Applied Music. If voice is the minor subject, then at least one year of piano should be elected; or if piano is the minor study, one year of voice should be elected. When violin is the minor study, both voice and piano should be elected.

In addition to the courses at least four semester hours work should be done in ensemble music, voice or instrumental.

Practice teaching as required in the second semester, fourth year, will include practice and observation of music teaching and supervision.

CURRICULUM IN PUBLIC SCHOOL MUSIC

FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Language	4-5	Language	4-5
Physical Educ.	1	Physical Educ.	1
Health	2	Educ. 42 (Classroom	
Educ. 39		Org. & Mang't.	3
(Intro. to Educ.)	2	Music II (Harmony)	2
Music I (Harmony)	2	Applied Music	2
Applied Music	2		

SECOND YEAR

First Semester		Second Semester	
Language	3	Language	3
Psych. (General)	3	Psych. (Educ.)	3
Physical Educ.	1	Physical Educ.	1
N. M. Hist. & Civics	3	English	3
Applied Music	2	Applied Music	2

Counterpoint 51 ----- 2	Counterpoint 52 ----- 2
(Prerequisite Music 1-2)	Ear Training and Sight
Ear Training and Sight	Reading 62 ----- 2
Reading 61 (Prerequisite Music 1-2) --- 2	

THIRD YEAR

First Semester		Second Semester	
Educ. (Prin of Ed.)	3	Education -----	3
Science -----	3	Science -----	3
History 101 -----	3	History 102 -----	3
History of Music 161	2	History of Music 162 --	2
Applied Music -----	2	Applied Music -----	2
Music Educ. (Methods)		Music Educ. (Methods)	
173 (Prerequisites:		174 -----	2
Music 1-2; 61-62) -	2	Form & Analysis 102 -	2
Form and Analysis 101			
(Prerequisite: Music			
51-52 -----	2		

FOURTH YEAR

First Semester		Second Semester	
Science -----	3	Practice Teaching ----	4
Educ. (High School		Orchestration 178 ----	2
Methods) -----	3	Music Appreciation 164	2
Orchestration 177 ----	2	Operettas & Their Pro-	
Music Education		duction 180 -----	2
(Methods) 175 -----	2	Electives -----	5-7
Music Appreciation 163	2		
Operettas & Their Pro-			
duction 179 -----	2		
Electives -----	2-3		

CURRICULUM FOR ADMINISTRATORS AND SUPERVISORS

The following courses will satisfy the requirements for a major study in Administration or Supervision. Candi-

dates will satisfy requirements in a minor study.

3 hours of Educational Psychology.

3 hours of History of Education.

3 hours of Statistical Methods.

3 hours of Intelligence Tests.

3 hours of Educational Tests.

3 hours of City School Administration.

3 hours of State School Administration.

3 hours of Supervision of Elementary Education.

3 hours of Principal and His School

GROUP REQUIREMENTS FOR DEGREES

1. Demonstrated proficiency in English, oral and written, as evidenced by a minimum of 12 semester hours; six credit hours must be earned in English 21 and 22, and 6 additional credit hours must be earned in courses numbered above 50.

2. Some knowledge of the social studies as evidenced by a minimum of 9 semester hours of collegiate work in this field. 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.

3. Some knowledge of mathematics and sciences as evidenced by a minimum of 12 semester hours from 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)

4. A foreign language or substitute.

(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.

(c) (1) Administrators and supervisors may substitute an equal number of hours of professional subjects.

(2) High school and elementary teachers may substitute an equal number of hours in their major and minor fields in addition to the regular requirements. This additional work in the major and minor must be of C grade or better.

5. One major and minor as indicated under that heading.

6. The professional work as indicated under that heading.

The student should take as much as possible of the required work (in the different groups) in the freshman and sophomore years, and concentrate on his professional work and on his major and minor in the junior and senior year.

STANDARD

Graduation from the College of Education meets the requirements of the State Board of Education in New Mexico for certification of high school teachers, and also the recommendations of the North Central Association of Secondary Schools and Colleges as to professional subjects in Education and the proper selection of subject matter courses for purposes of high school teaching. On account of the tendency in the various states to increase the number of

credit hours in Education for certification, students are advised to secure credit in not less than 21 semester hours in Education including General Psychology.

GRADUATE SCHOOL

For regulations governing work in the Graduate School, see pages 97 to 104, and the Graduate School Bulletin.

EXTENSION DIVISION

The Extension Division of the University of New Mexico is under the supervision of the College of Education. A special bulletin has been issued giving the courses offered in the various department of the colleges of the University. The Extension Division offers correspondence courses for regular college credit and in this way meets the needs of qualified men and women who are unable to attend the University of New Mexico. These courses are especially adapted for those who contemplate entering college at some future date, for students who are temporarily forced to leave college, and for teachers of the public schools who have had some normal school work or college training, or are high school graduates, and either wish to work toward a degree or to better equip themselves for their profession.

For further information, address the Director of the Extension Division, University of New Mexico.

CERTIFICATION OF TEACHERS

For credentials obtained on examination and graduation from High School, see the rules and regulations obtainable from the State Department of Education. Credentials requiring a certain number of semester hours of collegiate

work are here set forth. The College of Education assumes no responsibility for recent changes. Certificates to teach in the state are issued by the State Department of Education.

1. The Elementary Certificate. (Valid for teaching in the elementary schools.)

Second Grade on Credentials. Granted to applicants who are graduates of a four-year accredited high school covering fifteen units of work which shall include one-half unit in each of the following: U. S. History, U. S. Civics, Physiology, and one Industrial Subject, (Domestic Science, Manual Training, Agriculture or a Commercial Subject) and at least one-third unit in New Mexico History and Civics. An examination grade of 75% or above may be substituted for credit in New Mexico History and Civics but for no other subject. This certificate is valid for two years and is subject to one renewal provided the holder thereof is engaged in active school work and attends at least one session in some accredited institution during the life of the certificate and secures at least six semester hours or nine term hours of college credit.

First Grade on Credentials. Granted on same qualifications as second grade on credentials, and, in addition, 24 term hours or 16 semester hours of college or normal work one half of which must be in Education, and nine months' successful teaching experience, which must be properly certified. This certificate is valid for three years and is subject to renewal on the same conditions as the second grade on credentials. It may be further renewed under such regulations as the State Board may prescribe.

Five Year Professional. Granted to applicants who present credits covering graduation from a four-year accredited high school comprising at least 15 units of secondary work, and 90 term hours or 60 semester hours of work in a standard university, college or normal school. At least 16 semester hours or 24 term hours of the latter must be in

Education. Credit or passing grade in New Mexico History and Civics is also required. This certificate is valid for five years and is subject to one renewal.

Life (Elementary). Granted on the same credentials as the Five Year Professional Certificate except that 135 term hours or 90 semester hours of university, college or normal work are required, and 45 months' teaching experience; 9 months of which must have been in New Mexico.

Kindergarten. Granted to applicants who are graduates of reputable kindergarten institutions and who present credit or passing grade in New Mexico History and Civics. The certificate may also be secured by passing the examination in kindergarten work and in New Mexico History and Civics with a grade of 75% or above in each. This certificate is valid for three years. The one on credentials may be renewed indefinitely provided the holder is engaged in active school work. The one on examination may be renewed upon the same conditions as the First Grade Certificate by Examination.

2. Junior High School Certificates.

Junior High School. Granted on the same credentials as the Five-Year Professional Certificate for elementary grades, and, in addition, 18 months' teaching experience, properly certified, nine months of which must have been in New Mexico. This certificate is valid for five years in a one, two or three year high school, and is subject to one renewal.

3. High School Certificates.

High School. Granted to applicants who present credentials covering graduation from an approved high school comprising at least 15 units of work, or college entrance examinations covering same, and graduation from a standard college, university or normal school with a B. A. or B. S. degree or their equivalents, granted on a minimum of 120 semester hours or 180 term hours, at least 12 semester hours or 18 term hours of which must be in Education, and

credit or passing grade in New Mexico History and Civics. This certificate is valid for five years in any high school in the state and may be extended under such conditions as the State Board may prescribe.

Life (High School). Granted on the same credentials as the five-year High School Certificate and, in addition thereto, evidence of 45 months' successful teaching experience in high schools, nine months of which must have been in New Mexico.

SPECIAL CERTIFICATES

Special certificates are granted to teachers of special subjects, such as Home Economics, Manual Training, Agriculture, Physical Training, Music, Arts, etc. The requirements are: high school graduation; 30 semester hours of college training, or the equivalent, 20 semester hours of which must be in the special field of subjects for which the applicant desires certificates; and credit or passing grade in New Mexico History and Civics. This certificate is valid for three years, and entitles the holder to teach in any grade, but only the subjects designated. It is renewable upon evidence that the holder thereof is doing satisfactory work and making such professional advancement as is satisfactory to the State Board of Education.

Vocational Agriculture and Vocational Home Economics. Granted to applicants who are to teach these subjects under the Smith-Hughes Act. Requirements are B. S. degree from a standard college or university which must include at least 15 semester hours in Education. New Mexico History and Civics is required as stated above, and the certificate is renewable upon the same conditions.

NOTES

(a) Applicants for certificates must be at least 18 years of age.

(b) Every teacher shall present his certificate to the school authority employing him before assuming the duties of a school teacher. (From section 1101, New Mexico School Code.)

(c) Applicants for certificates on credentials should file transcripts of both high school and college credits, properly signed by principal or registrar of the schools attended.

(d) The certification fee is \$1.00 in all cases except a five-year certificate, which is \$5.00, and a life certificate, which is \$10.00.

(e) Certificates issued under rulings made prior to January, 1923, cannot be renewed, but applicants must qualify under the new law upon the expiration of such certificates. Holders of unexpired certificates issued upon examination grades will be given credit for all such grades, but normal school or college credits which were substituted for examination grades will not be accepted.

(f) All grades of 90% or above from an unexpired second grade certificate, issued under either the old or new ruling, may be applied on a first grade certificate but cannot be used on another second grade.

(g) Grades of 75% and above may be carried for one current year and applied on a certificate the following year providing they have not been on any certificate.

(h) All subjects accepted as Education by accredited colleges will be accepted as such by this department on a certificate on credentials.

(i) The maximum amount of college credit that will be accepted for attending an 8 weeks' summer session at normal school or college is 10 semester or 15 term hours. This is also the maximum amount of credit that will be accepted through correspondence study in one current year

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 other members appointed by the President of the University. The Graduate Faculty consists of the 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.

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."

GRADUATE FELLOWSHIPS

Six to eight Fellowships, each with a stipend of \$500, are available to graduate students. Holders of these fellowships are expected to perform certain limited services as teachers or laboratory assistants in the department to which they are assigned. This department must be the major department of graduate study, and each holder of a fellowship will be required to pursue advanced courses in the department during his term as a fellow.

Correspondence in regard to the fellowships may be addressed to the Director of the Graduate School, or to the head of the Department in which the candidate proposes to do his major work.

CUTTING FELLOWSHIP

In September, 1929, a fund was provided through the generosity of Senator Bronson M. Cutting for work in the field of Spanish literature and folk lore. The recipient of this fund for 1929-30 is Mr. Arthur Campa, who spent the year in study of the general cultural background of Spanish-Americans of this area.

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. By an arrangement with the Director of the Graduate School the work may all be done in the major field provided the major professor makes such a recommendation.

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

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 including three hours in the thesis.

In general, enrollment for credit is not accepted after Saturday of the second week.

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

AMOUNT AND DISTRIBUTION OF WORK

MAJORS AND MINORS

A major and a minor subject of study should be chosen by each candidate for the master of arts degree, in con-

ference with the Director of the Graduate School. The choice of the minor subject must be approved by the professor in charge of the major subject. By an arrangement with the Director of the Graduate School the work may all be done in the major field provided the major professor makes such a recommendation.

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 simply mean that 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 registration unless by special permission of the Committee on Graduate Instruction.

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. The work for the master of arts degree must be completed by the end of the fifth summer after registration for graduate work.

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 (including thesis) 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 requirement 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 last semester, or 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 finished thesis should be in the hands of the Committee on Graduate Instruction not later than May tenth.

The candidate must pass a final examination, oral, written, or both, conducted by the professors in charge of the major and minor subjects, and other members of the Graduate Faculty appointed by the Director of the Graduate School in consultation with the major and minor professors.

COURSES IN DEPARTMENTS OF INSTRUCTION

Courses numbered 1-50 are normally open to freshmen; 51-100, to sophomores; above 100, to advanced undergraduates and to graduates; above 200, to graduates or exceptional undergraduates.

Courses bearing odd numbers are generally offered in the first semester; those bearing even numbers, in the second semester.

COURSES IN DEPARTMENTS OF INSTRUCTION 105

DEPARTMENT OF ARCHAEOLOGY AND ANTHROPOLOGY

Edgar L. Hewett, D. Sc., LL. D., Professor.

Mamie R. Tanquist, M. A., Assistant Professor.

Reginald G. Fisher, M. A., Instructor in Charge of Surveys.

Major Study. A major in this department consists of a minimum of 24 hours in addition to Anthropology 1. Correlative courses should be selected, with the advice of the head of the department, in Biology, Geology, History of the Southwest, and the Spanish language. Freehand drawing is important.

Minor Study. A minor consists of 12 hours or more in addition to Anthropology. 1.

Equipment. The collections and equipment of the Museum of New Mexico are at the disposal of the University. These combined resources afford exceptional facilities for both undergraduate and graduate work.

Field Schools. The summer Field School, in cooperation with the School of American Research of the Archaeological Institute of America, is a unique feature of this Department. A class of twenty, exclusively for graduate and advanced undergraduate students, is held for four weeks in Chaco Canyon for the excavation of ancient ruins, study of southwestern archaeological problems, intensive instruction, and training in field technique. A class of not to exceed twenty students will begin work in Mexico City at the opening of the Summer Session of the National University, about the first of July and continue for six weeks. In addition to such work as the students may desire to take in the National University, the class will explore the historic and pre-historic ruins within working distance of Mexico City, and, when conditions are found to be favorable, will begin an excavation in Aztec, Mexico, to be continued regularly during summer sessions for a term of years. During the month of August, a class, open to fifty undergraduates and

a limited number of auditors, is held at Battleship Rock camp in the Jemez Mountains. Here students may witness and participate in the excavations and carry a full program of lecture, seminar, and field laboratory work. (See special *Field School Bulletin*.)

PRIMARILY FOR UNDERGRADUATES

1. *General Anthropology*. Physical anthropology; man's origin, antiquity, evolution, dispersion, variations, present development. Culture history; outlines of culture growth, development of man's arts, industries, social structure, languages, beliefs, and ceremonies. 5 credit hours. Repeated second semester.
52. *Archaeology. Ancient Civilizations of the Old World*. Egypt, Mesopotamia, Syria, the Hittites, Greece, Rome, Carthage. 2 credit hours.
62. *American Archaeology*. Archaeology of the Southwest. The ancient communities of the Pueblo Plateau interpreted through study of the physiographic conditions, the ancient cultural remains, and the surviving Pueblo Indians. 3 credit hours.
75. *American Archaeology*. Research course; study of material derived from excavations, and preparation of the same for future investigation. Courses especially designed for students who have worked in the field classes or are preparing to do so. 2 to 4 credit hours.
81. *Ethnology*. The Indians of the Southwest, their culture history, development, and changes of their arts and industries; social and ceremonial life and beliefs; intensive study of one pueblo. 3 credit hours.
41. *Elementary Sociology*. Population and society; conditions of socialization; social classes; basic facts

COURSES IN DEPARTMENTS OF INSTRUCTION 107

of social organization; early history of society; stages of civilization; conditions of social progress. This course is designed to prepare students for the course in *Advanced Sociology*. 3 credit hours.

82. *Social Anthropology*. Primitive society; social activities in the stages of savagery and barbarism; the beginnings of social organization and integration. 3 credit hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

102. *Prehistory*. Early types of man. Development as shown in physical and cultural remains. Dispersion; factors that determined the major lines of migration. Elements of human geography. The course includes certain phases of American prehistory. 3 credit hours.
142. *Advanced Sociology*. Social evolution; Sociology and related sciences; social laws and processes; methods and problems; conditions of research. Assigned problem for investigation. 5 credit hours.
182. *American Archaeology*. Advanced research course. Study of material from the excavations in the Southwest including Northern Mexico. Comparative study of ancient and modern Pueblo cultural material. Study of results of the archaeological survey of the Pueblo plateau, and preparation of the same for publication. 2 to 4 credit hours.

FOR GRADUATES ONLY

- 201A, B, C. *Advanced Research Course in Southwestern Archaeology and Ethnology*. A denotes Summer Field Course, B the fall, and C the spring semester. 3 to 5 credit hours.
- 251A, B, C. *Research Problems*. Directed investigation of assigned problems applied on the thesis requirement. 2 or more credit hours.

DEPARTMENT OF ART

Dorothea Fricke, Instructor.

Kenneth Chapman, Part-time Instructor in Indian Art.

Irving B. Parsons, B. of Arch., Part-time Instructor in Architecture.

Ralph Douglass, B. A., Part-time Instructor in Commercial Art.

Brice Sewell, Part-time Instructor in Sculpture.

Carl Redin, Part-time Instructor in Landscape Painting.

Major Study. A major study consists of Art 15, 16, 55, 56, 115, 116, and 12 additional hours.

Minor Study. Art 15, 16, and 12 additional hours.

Students are required to furnish their own materials, except certain studio equipment provided by the University. All work when completed is under the control of the department until after the public exhibition of student work which occurs at the close of the academic year. Each student may be required to leave with the department one or two pieces of original work. These are added to the permanent collection of the work of students.

One credit hour represents three hours of studio work per week. Courses scheduled for less require additional outside work.

Fee for all studio courses except 121-122 — \$2.00 per credit hour.

Fee for Art 121-122 — \$20.00 per semester.

Special Summer Class. If twenty applications are made before the first of July, a special class in drawing and painting will be organized in Taos during August. A Taos artist will act as critic for the class. The term will be four weeks long and a maximum of three hours of credit will be granted. The tuition fee for this class will be twenty five dollars.

COURSES IN DEPARTMENTS OF INSTRUCTION 109

15. *Color Theory and Design.* A study of color with reference to its scientific background and artistic use, combined with a study of the fundamental principles of design. 3 credit hours. Fee \$6.00 *Fricke*
16. *Perspective and Composition.* Practical application of the fundamental principles of perspective and of composition to drawing and design. 3 credit hours. Fee \$6.00 *Fricke*
- 25s. *Indian Art.* Lectures combined with laboratory periods for copying and adapting Indian designs for use in school work. Origin and development of the decorative art of the Pueblos and other Indian tribes from the earliest prehistoric times to the present as expressed in their basketry, pottery, textiles, and other crafts, including its symbolism. 2 credit hours. *Chapman.*
51. *History of Painting.* Study of the work of Italian, Dutch, German, Spanish, French, and American painters. 2 credit hours. *Fricke.*
52. *History of Sculpture.* Study of sculpture from ancient to modern times. Special attention is given to principles of construction and composition. 2 credit hours. *Sewell.*
- 53-54. *Architectural History.* Ancient, Mediaeval, and Italian Renaissance. 1 credit hour each semester. *Parsons.*
- 55-56. *Figure Drawing and Head Life.* Artistic Anatomy combined with figure drawing and head life from memory, imagination, casts, and from posed models. Prerequisite: Art 16. 3 credit hours. Fee \$6.00 each. *Fricke.*
62. *Applied Design.* Study of design and its practical application to stenciling, decorative leather, batik, and basketry. Prerequisite: Art 15. 3 credit hours. Fee \$6.00. *Fricke.*

- 27-28. *Architectural Design.* At the outset problems involving the use of the elements are given, followed by exercises in architectural composition and rendering, involving the application of the principles of architectural drawing, also problems in the elementary design of the small ensemble and of architectural motifs. 3 credit hours each semester.
- 57-58. *Architectural Design.* Continuation of 27-28.
65. *Architectural Sculpture and Modeling.* Practical ornamental modeling and decorative sculpture as it is applied to architecture, also model making for cast grills, etc. 1 credit hour. Fee \$2.00. *Sewell.*
71. *General Commercial Art.* The principles and practice of art as applied in commercial use, touching on both the newspaper and advertising fields. 2 credit hours. Fee \$9.00. *Douglass.*
72. *Newspaper Art.* Instruction in the work required of an editorial artist on the staff of a metropolitan newspaper: comic illustration, cartooning, caricature, photo layouts and retouching. 2 credit hours. Fee \$9.00. *Douglass.*
73. *Advertising Art.* The study and making of "selling" pictures, with particular attention to advertising layouts, and poster work. 2 credit hours. Fee \$9.00. *Douglass.*
78. *Sculpture - Composition.* Principles of construction and composition. Individual criticisms of original work. 1 credit hour.
85. *Sculpture. Modeling from the round, from the head, from the full length figure.* Fundamentals of sound construction are given special attention, as well as casting and reproduction of individual pieces. 3 credit hours. Fee \$6.00. *Sewell.*
95. *Methods of Teaching Art.* Includes drawing and methods for grades one to eight. 2.5 credit hours. (Given only during summer session.) *Fricke.*

COURSES IN DEPARTMENTS OF INSTRUCTION 111

115-116. *Drawing and Painting*. Charcoal, water color and oil work, from still-life, landscape, and figure subjects. Prerequisite: Art 56. 3 credit hours. Fee \$6.00 each. *Fricke.*

121-122. *Landscape Painting*. Attractive mesa, canyon, and mountain landscape near the university is used as subject material for landscape painting. An exhibition of original compositions is held at the close of the academic year. 3 credit hours. *Redin.* (A special fee of twenty dollars is charged for this course.)

DEPARTMENT OF BIOLOGY

Edward F. Castetter, Ph. D., Professor.

Fred W. Allen, M. S., Assistant Professor.

Sarah Louise Cook, B. A., Graduate Fellow.

Vera Hough, B. A., Graduate Fellow.

H. T. Galloway, B. A., Graduate Fellow.

The Department of Biology offers instruction in many lines of scientific endeavor pertaining to plant and animal life. The work is organized from four different standpoints: to provide training along cultural lines for students majoring in Liberal Arts subjects other than biology; to furnish pre-medical instruction; to provide foundational work for home economics; and for students whose major interest is biology. The training prepares men and women for teaching biology, and for research in various phases of the subject.

The new Biology Building, which houses the department, contains two large general laboratories, a laboratory for advanced classes, a research laboratory, lecture rooms, and a germinating room. The laboratories are well fitted with standard equipment and apparatus of the most modern type.

The Field School in Biology, conducted during the month of August, affords excellent opportunity for instruction and research along lines to which the state is peculiarly adapted, embracing field biology, plant and animal ecology, systematic botany, and systematic zoology.

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

Minor Study. 12 credit hours in courses numbered above 50.

The sequence of courses for major or minor study must in all cases be arranged with the head of the department.

Seminar. All students pursuing majors and minors in the department are required to enroll in seminar courses 199 and 200.

PRIMARILY FOR UNDERGRADUATES

1. *General Zoology.* For Pre-Medical, Home Economics, and other students, who plan to take additional courses in Biology. Designed to acquaint the student with the fundamental structures, processes, and principles of animal life and provide training in laboratory methods. Required of all pre-medical students. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
- 5-6. *General Biology.* A survey in condensed form of the field of biology, emphasizing fundamental principles common to all living things. Phases of biology are considered which are of greatest cultural value in contributing to a liberal education for the general student. Three lectures and one laboratory period per week. 4 credit hours. Fee \$1.00 each.
7. *Principles of Biology.* A night course acquainting the student with the underlying principles and inter-relations of plant and animal life, with a view to furnishing a cultural appreciation of the field of

COURSES IN DEPARTMENTS OF INSTRUCTION 113

biology. One 2 hour lecture per week. 2 credit hours.

14. *General Botany*. Activities and structures of the flowering plant. Type representatives of the four great groups of the plant kingdom are studied and underlying principles of plant life considered. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
36. *Human Physiology*. A lecture course especially designed to cover the more fundamental physiological activities of the human body. Two lectures per week. Two credit hours.
52. *Heredity*. A survey of the field of heredity involving a study of the laws of inheritance in plants and animals, with special reference to man. Three lectures per week. 3 credit hours.
54. *General Physiology*. A consideration of the fundamental processes of the animal body as applied to the human. The laboratory work consists of experiments designed to demonstrate the various functions of the human body. Prerequisites: Biology 1, or 5 and 6, and Chemistry 1. Two lectures and two laboratory periods per week. 4 credit hours.
55. *General Embryology*. Principles and process of chordate development as represented by the chick and pig, with special references to man. Prerequisite: Biology 1, or Biology 5 and 6. Two lectures and two 2-hour laboratory periods per week. 4 credit hours. Fee \$6.00.
57. *Medical Biology*. A study of animals that cause disease in man; their life histories, diagnoses, clinical symptoms and prevention. Prerequisites: Biology 1, or 5 and 6. Two lectures and two laboratory periods per week. 4 credit hours.
- 63A, B. *Flora of New Mexico*. Identification of plants; training in the use of the manual; consideration of

the more characteristic types of vegetation of the state. Prerequisite: Biology 14. One lecture and two laboratory periods per week. 3 credit hours.

93. *General Bacteriology*. Activities of bacteria, yeasts, and moulds in relation to the health of man, animals, and plants, involving the problems of the home and community. Prerequisites: Biology 1, or Biology 5 and 6, or Biology 14, and Chemistry 1. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.

99. *Evolution*. History of the theory of evolution from the time of the Greeks to the present, and the various developments resulting from investigations of modern scientists. Factors and problems in organic evolution, heredity, variation, origin, and distribution of life. Lecture and open discussion two hours per week. 2 credit hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

122. *Comparative Vertebrate Anatomy*. A study of representative vertebrates from a comparative point of view. Required for pre-medical students. Prerequisite: Biology 55. Two lectures and two 3-hour laboratory periods per week. 5 credit hours. Fee \$9.00.

124. *Animal Histology*. A microscopic study of animal tissues and organs. Prerequisite: Biology 55. Two lectures and two 2-hour laboratory periods per week. 4 credit hours.

132. *Advanced Bacteriology*. A combined study of laboratory methods in diagnosis of disease and immunity. Prerequisite: Biology 93. Two lectures and two 2-hour laboratory periods per week. 4 credit hours. Fee \$6.00.

133. *Sanitary Bacteriology*. A course for engineers. A

COURSES IN DEPARTMENTS OF INSTRUCTION 115

- complete bacteriological analysis of water; also a study of sewage disposal, water purification, and drainage problems from the bacteriological point of view. The course covers a study of water-borne diseases and the algae which produce undesirable tastes in water, as well as methods of control. Two 2-hour laboratory periods per week. 2 credit hours.
141. *Histological Technique*. Methods of fixing, imbedding, sectioning, and staining animal or plant tissues for microscopic study. Prerequisite: Biology 1, or Biology 5 and 6, or Biology 14. 3 credit hours. Fee \$3.00 per credit hour.
146. *Problems*. Individual investigation in Zoology or Botany for properly qualified upperclassmen, or graduates. 2 to 4 credit hours per semester. Fee arranged.
154. *Plant Anatomy*. Detailed consideration of cells and tissues of root, stem, leaf, and reproductive structures of higher plants. Prerequisite: Biology 14. Two lectures and two 2-hour laboratory periods per week. 4 credit hours.
171. *Physiographic Ecology*. Distribution of plants in relation to topographic and climatic factors. Prerequisite: Biology 63. One lecture and two 3-hour laboratory periods per week. 4 credit hours.
- 199-200. *Seminar*. Meeting of the Biology staff and advanced students to discuss recent literature, research problems and other topics of biological interest. One meeting per week. 1 credit hour. (Required subject for all Biology majors and minors.)
- 251A, B. *Thesis*. 3 credit hours.
- 261A, B. *Research in Systematic Botany*. 4 credit hours.
- 271A, B. *Research in Plant Ecology*. 4 credit hours.

DEPARTMENT OF CHEMISTRY

John D. Clark, Ph. D., Professor.

Veon C. Kiech, M. S., Assistant Professor.

John E. Pilcher, Student Assistant.

Richard M. Riley, Student Assistant.

Monte Mae Riley, Stockroom 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. A wide variety of minor subjects are acceptable.

Equipment. The department of Chemistry is housed in the Chemistry Building. The building is thoroughly fire-proof and strictly modern. It is equipped for accomodating 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 room, 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 equipped with the usual apparatus needed in the study of chemistry in its various branches.

COURSES IN DEPARTMENTS OF INSTRUCTION 117

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, B. C. *Inorganic Laboratory*. One period a week. 1 credit hour. Fee \$3.00
 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, B. C. *Inorganic Laboratory*. One period a week. 1 credit hour. Fee \$3.00.
51. *Qualitative Analysis*. Laboratory practice with lectures and recitations on the theory of the work. 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. Four laboratory periods and one lecture period per week. Prerequisite: Chemistry 1 and 2. 5 credit hours. Fee \$12.00.
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, 10 hours per week. 5 credit hours. Fee \$3.00 per credit hour.
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 Chemistry Laboratory.* This course consists mainly of laboratory practice in preparing and purifying organic compounds and a study of qualitative organic reactions and analysis. Prerequisite: Chemistry 61. Laboratory work 6 hours per week. 3 credit hours. Fee \$3.00 per credit hour.
65. *Organic Synthesis.* A continuation of Chemistry 62. For chemistry majors. Laboratory work four hours a week. 2 credit hours. (Not offered in 1930-31).
68. *Household Chemistry.* This course consists mainly of laboratory work and lectures on carbohydrates, fats, protein, milk, blood, urine, etc. Prerequisite: Chemistry 1 and 2. 3 credit hours. Fee \$6.00 plus \$1.25 for syllabus. (Not offered in 1930-31).
70. *Quantitative Biochemical Methods.* This course is intended for chemistry majors and for pre-medical students. Laboratory practice in colorimetry and micro-methods of analysis. Prerequisites: Chemistry 52, 61, and 101. 3 credit hours. Fee \$3.00 per credit hour.
- 101-102. *Quantitative Analysis.* Continuation of Chemistry 52. Laboratory 10 hours per week. 5 credit hours each semester. Fee \$3.00 per credit hour.

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.

COURSES IN DEPARTMENTS OF INSTRUCTION 119

- 110A. *Physical Chemistry Laboratory*. One period a week. 1 credit hour. Fee \$3.00.
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*. This course consist 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.
- 151-152. *Quantitative Analysis*. Continuation of 102. Laboratory 10 hours per week. 5 credit hours. Fee \$3.00 per credit hour.
160. *Chemistry Seminar*. 2 or more hours.

DEPARTMENT OF CIVIL ENGINEERING

A. Diefendorf, B. S. in C. E., C. E., Professor.
J. B. Baker, M. S., Associate Professor.
W. C. Wagner, B. S. in C. E., Instructor.

51. *Elementary Surveying*. Elementary course in plane surveying, including the theory and use of the chain, tape, compass, transit, and level. Prerequisite: Mathematics 17 and 18. 2 hours recitation a week. 2 credit hours.
52. *Advanced 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. Fee \$4.00.
54. *Advanced 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. Fee \$4.00.
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. Fee \$2.00.
105. *Applied Mechanics.* The mechanics of engineering problems. Statistics, kinetics, work, energy, impulse and momentum, etc. Prerequisite Math. 53 and 54, Physics 51 and 52. 4 hours recitation per week. 4 credit hours.
107. *Field Surveying—Summer Camp.* Actual practice in plane and topographic surveying. Complete surveys of a project are made and the field notes are used for mapping in the succeeding course—C. E. 109. Prerequisite: C. E. 52, 54. Field instruction at Jemez Camp for two weeks. 2 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.

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109. *Topographic Mapping.* Conventional signs used in representing topography. The notes taken during the preceding summer field work are plotted in the drafting room. A complete map of the field work is made by each student. Prerequisite C. E. 107. 3 hours drawing per week. 1 credit hour. Fee \$2.00.
110. *Hydraulics.* Elementary theory of hydraulics and water power including the principles of hydrostatic and hydrodynamic pressures, flow through orifices, weirs, tubes, pipes, nozzles, conduits, canals, and rivers, with a brief discussion of water wheels, turbines, and pumps. Prerequisite C. E. 105. 3 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 concreté. To accompany C. E. 108. 3 hours laboratory per week. 1 credit hour. Fee \$2.00.
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. Fee \$2.00.
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. Fee \$2.00.
156. *Highway Engineering.* This course covers the location, construction, maintenance, cost, durability, and methods of financing all types of country roads and city pavements. Prerequisite: C. E. 52. 3 hours recitation per week. 3 credit hours.

159. *Theory of Structures.* A study of methods for the determination of stresses, and for the 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 designs 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; sewage treatment by up-to-date methods. Prerequisite: C. E. 110. 2 hours recitation per week. 2 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 sewerage system for a small town. Prerequisite: C. E. 161. 6 hours drawing per week. 2 credit hours. Fee \$2.00.
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 bricks, 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.

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- 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 subjects. 2 hours recitation per week. 2 credit hours.

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

Leslie C. Jauncey, Ph. D., Associate Professor.

Tom L. Popejoy, B. A., Assistant Professor.

Group Requirements. Courses 15 and 18 are accepted toward the requirement of Group III.

Major Study. A major in the department consists of 24 hours in addition to courses 15 and 18.

Minor Study. A minor in the department consists of 12 or more hours in addition to the introductory course.

PRIMARILY FOR UNDERGRADUATES

- 15-18. *Introduction to Economics.* A general survey of the structure, institutions, and operation of modern industrial society. A prerequisite to all other courses in the department. Credit not given for either semester separately. 3 credit hours each.
- 53-54. *Principles of Accounting.* A general introduction to accounting principles and practice. Credit not given for either semester separately. One recitation and two 2-hour laboratory periods each week. 3 credit hours.

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63. *Economic History of the United States.* A review of the development of American economic organization. Prerequisite: Economics 15 and 18. 3 credit hours.
70. *Marketing.* The place of marketing in the economic system. Modern organization, institutions, and methods. Prerequisite: Economics 15 and 18. 3 credit hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

- 103-104. *Advanced Accounting.* The preparation of balance sheets and financial statements, with an analysis of their component items. Prerequisite: Economics 53-54. 3 credit hours.
109. *Statistics.* The collection, arrangement, and interpretation of statistical material relating to business operations. Prerequisite: Economics 15 and 18. 3 credit hours.
110. *Corporation Finance.* The financial organization and policies of the modern corporation. Prerequisite: Economics 15 and 18.
111. *Money and Banking.* A study of money, banking, foreign exchange, the stock market, and the financial system as a whole. Prerequisite: Economics 15 and 18. 3 credit hours.
- 131-132. *Business Law.* Contracts, negotiable instruments, agency, real property, partnership, sales, guaranty and suretyship, insurance. Prerequisite: Economics 15 and 18. 3 credit hours.
141. *Labor Problems.* The position of the laborer in modern society. Trade unionism and collective bargaining. Labor law and labor legislation. Prerequisite: Economics 15 and 18. 3 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION 133

186. *Educational Measurements.* A study of the standard tests for measuring achievement in the elementary and secondary school subjects; practice in the administration of tests and the interpretation of results; methods of improving the results of instruction through the use of tests. Prerequisite: psychology 51 and 116. 3 credit hours.
190. *Clinical Psychology.* Clinical practice in administering general intelligence tests, performance tests, and various diagnostic tests; round-table discussions of clinical cases taken from public schools and other sources. Prerequisite: psychology 103 and 185. 2 credit hours.
192. *Statistical Method: Advanced.* A brief review of elementary statistics; correlation, regression, and linear relations; partial and multiple correlation; transmutation of scores, probable errors, coefficient of reliability, and measurement of skewness. Prerequisite: psychology 51 and 116. 3 credit hours.

GRADUATE COURSES

251. *Special Problems.* A detailed study of a problem approved by the instructor. Prerequisite: Consent of instructor. 2 credit hours.
300. *Master's Thesis in Educational Psychology.* 3 credit hours.

DEPARTMENT OF ELECTRICAL ENGINEERING

F. M. Denton, A. C. G. I., Professor.

C. Russell, B. S. in E. E., Instructor.

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, Mathematics 17 and 18. 4 hours recitation per week. 4 credit hours.
102. *Theory of Alternating Currents.* The theory of alternating currents and methods for the solution of problems in singlephase and polyphase systems. Wave form analysis and study of methods and apparatus used in A. C. measurements. Prerequisite: E. E. 101. 4 hours recitation and problem work per week. 4 credit hours.
- 105-106. *Principles and Practice 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. 54. 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. Fee \$2.00 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. Fee \$4.00.
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. Fee \$4.00.
- 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.

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- 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. Fee \$4.00 each.
- 161-162. *Design of Electrical Machinery*. Electrical design of direct and alternating current machinery. Prerequisite: 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 stations, substations, and distribution systems, including prime movers, generators, transformers, and switching and control equipment, for both steam and hydroelectric plants. Prerequisite: E. E. 151. 3 hours lecture per week. 3 credit hours.
194. *Communications*. A practical and mathematical treatment of the more important systems of communication, including submarine telegraphy, land telegraphy, telephony, and radio. The course includes a study of the use of hyperbolic functions. Prerequisite: E. E. 102. 3 hours lecture per week. 3 credit hours.

196. *Transmission.* 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.
197. *Traction.* A brief but inclusive treatment of the mechanical and electrical problems of electric railways and their practical solution. Prerequisites: Physics 51, 52; E. E. 111, 112. 1 hour lecture per week. 1 credit hour.
198. *Illumination.* Light and illumination treated theoretically and practically from the point of view of the Electrical Engineer. Prerequisites: Physics 51, 52, E. E. 111, 112. 1 hour lecture per week. 1 credit hour.
200. *Radio and Signalling.* The physical principles of radio-transmission and their application to telegraphy, telephony, television, and signalling. Prerequisites: Physics 51, 52, E. E. 111, 112. 1 hour lecture per week. 1 credit hour.

DEPARTMENT OF ENGLISH

George St. Clair, Ph. D., Professor.

George Pope Shannon, Ph. D., Professor.

Cecil V. Wicker, M. A., Assistant Professor.

*Thomas Matthew Pearce, M. A., Assistant Professor.

Elsie Ruth Chant, B. A., Graduate Fellow.

Branch Spalding, Teaching Fellow.

Group Requirements. Course 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 I. Six hours above 21 and 22 are required of students in Education. Courses 21, 22, and 65 are required of students in Engineering.

Major Study. For a major study, candidates must complete 24 hours in courses numbered above 50, but

*On leave of absence, 1929-1930.

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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. Seniors majoring in English will be required to pass a comprehensive final examination in English literature, language, and composition, before they will be recommended by the department for a degree.

Minor Study. For a minor study, candidates must complete 15 hours in courses numbered above 50, in addition to the group requirements mentioned above.

11. *Review English.* A rapid review of spelling, sentence structure, punctuation, and grammar. No college credit. (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.)
- 21-22. *Freshman Composition.* The principles and practice of composition. 3 credit hours each semester.
- 51a, b, c. *Great Books.* Not open to Freshmen. May be taken three times. 1 credit hour each.
- 53-54. *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.* Juniors and seniors may take this course but will receive only two credit hours. 3 credit hours.
57. *Types of English Literature.* For students not expecting to major in English. Prerequisites: English 21 and 22. 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.

62. *English Prose Style.* A study of the development of English prose. Prerequisites: English 21, 22, 53. 1 credit hour.
63. *Advanced Composition.* Practice in narrative and descriptive writing. Prerequisites: English 21 and 22.
65. *Technical English.* Primarily for engineers, though others may be admitted at the discretion of the instructor. Prerequisites: English 21, 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.
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.
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.)
- 85-86. *Journalism.* The first semester is devoted to a study of the history of journalism, the second to practical work. Prerequisites: English 21 and 22. 3 hours credit each semester.
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

COURSES IN DEPARTMENTS OF INSTRUCTION 139

the relation between linguistic and cultural changes.
Prerequisites: English 21 and 22. 2 credit hours.

- 95-96. *Masterpieces of Greek Literature in English Translation.* See Greek 95 and 96. 2 credit hours each semester.

PRIMARILY FOR ADVANCED UNDERGRADUATES

132. *Contemporary Poetry.* Chiefly English poetry.
Prerequisites: English 21, 22, 53, and 54. 3 credit hours.
141. *Shakespeare.* A detailed study of selected plays.
Prerequisites: English 21 and 22. 3 credit hours.
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 Renaissance spirit. Prerequisites: English 21, 22, and 53. 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.
151. *Chaucer.* Chaucer and a general survey of 14th century literature. Prerequisites: English 21, 22, and 53. 3 credit hours.

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152. *Old English*. Prerequisites: English 21, 22, and 53. 3 credit hours.
154. *Middle English*. Prerequisites: English 21, 22, 53, 151, or 152. Restricted to seniors and graduates. 3 credit hours.
159. *Versification*. 1 credit hour.
177. *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.
178. *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.
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

251. *Problems seminar*. 2 or 3 credit hours. (For graduates only.)
210. *Seminar in Contemporary Poetry*. 2 credit hours.
240. *History of English Criticism*. 1 credit hour.
300. *Thesis course*. 3 hours each semester.

DEPARTMENT OF GEOLOGY

Stuart A. Northrop, Ph. D., Associate Professor.

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.

COURSES IN DEPARTMENTS OF INSTRUCTION 141

PRIMARILY FOR UNDERGRADUATES

1. *Physical Geology*. Elementary chemistry and physics should precede. 4 credit hours. Fee \$1.00.
2. *Historical Geology*. Prerequisites: Geology 1 with some knowledge of botany and zoology. 4 credit hours. Fee \$1.00.
51. *Mineralogy*. Prerequisite: Elementary chemistry. 2 credit hours. Fee \$1.00.
52. *Determinative Mineralogy*. Prerequisite: Geology 51. 2 to 4 credit hours. Fee \$4.00.
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. *Economic Geology*. Non-metals. Prerequisites: Geology 2, 51, and 52. 3 credit hours.
102. *Economic Geology*. Metals. Prerequisites: Geology 2, 51, and 52. 3 credit hours.
103. *Engineering Geology*. A course similar to Geology 1 designed primarily for engineering students. Prerequisites: Elementary chemistry and physics. 4 credit hours.
105. *New Mexico Geology*. Prerequisites: Geology 2, 101, and 102. 2 credit hours.
106. *Geologic Mapping*. Prerequisites: Geology 2, and C. E. 52 and 54. 2 credit hours.
107. *Petrology*. Prerequisites: Geology 51 and 52. 3 credit hours. Fee \$1.00.
108. *Structural Geology*. Prerequisite: Geology 2. 3 credit hours.
109. *Stratigraphy*. Prerequisite: Geology 2. 4 credit hours.

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- 110. *Stratigraphy*. A continuation of Geology 109. 4 credit hours.
- 111. *Paleontology*. Prerequisite: Geology 2. 4 credit hours. (Not offered in 1930-1931.) Fee \$1.00.
- 112. *Paleontology*. A continuation of Geology 111. 4 credit hours. (Not offered in 1930-1931.) Fee \$1.00.

PRIMARILY FOR GRADUATES

- 201. *Physiography*. Prerequisites: Geology 2, and 108. 3 credit hours.
- 202. *Physiography*. A continuation of Geology 201. 3 credit hours.
- 251. *Seminar in Geology*. Research work. Character of work, and credit, to be arranged.

DEPARTMENT OF GREEK AND LATIN

Lynn Boal Mitchell, 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.

COURSES IN DEPARTMENTS OF INSTRUCTION 143

95. *Greek literature in English translation.* 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.
96. *Greek literature in English translation.* The rise and development among the Greeks of the writing of epic and lyric poetry, history, oratory, philosophy, romance, and literary criticism. Same prerequisite as for 95. Same course as English 96. 2 credit hours.

LATIN

Group Requirements. Courses up to and including 92 may be counted towards fulfilling Group II.

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

Minor Study. A minor study consists of 12 to 23 hours earned in courses exclusive of 1, 2, 3, and 4.

PRIMARILY FOR UNDERGRADUATES

- 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 and Ovid. Prerequisite: Latin 1 and 2 or two units of high school Latin. 3 credit hours each.

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- 55-56. *Virgil*. Selections from Virgil with studies in prosody. Prerequisite: Two or three units of high school Latin, or the equivalent. 3 credit hours each semester. (Not given in 1930-31.)
- 71-72. *Latin Literature*. Cicero: de Senectute, Livy's Histories, and Horace: Odes and Epodes. Prerequisite: Three years of Latin. 3 credit hours each semester.
- 81-82. *Latin Grammar and Composition*. Intended to accompany Latin 71, 72 or 91, 92. Prerequisite: Same as for Latin 71. 1 credit hour each semester.
- 91-92. *Latin Literature*. Selections from Catullus, Propertius, Tibullus, Martial, and Pliny the Younger; two comedies of Plautus and one of Terence. Prerequisite: Latin 71-72, or permission of instructor. 3 credit hours each semester. (Not given in 1930-31.)

FOR ADVANCED UNDERGRADUATES AND GRADUATES

101. *Advanced Latin*. Tacitus: Agricola and Germania, and selections from Seneca or from Suetonius. Outside readings on social conditions in the first century A. D. Prerequisite: 12 hours of college Latin. 3 credit hours. (Not given in 1930-31.)
102. *Advanced Latin*. Apuleius and Petronius. A study of the development of the Roman novel and of plebeian Latin. Assigned readings. Prerequisite: Latin 101 or equivalent. 3 credit hours. (Not given in 1930-31.)
105. *Advanced Latin*. Selected readings from mediaeval Latin; studies of peculiarities of grammar and of style. Prerequisite: Same as for Latin 101. 3 credit hours.
106. *Advanced Latin*. Selections from Horace, Persius, and Juvenal. A study is made of Roman satire.

COURSES IN DEPARTMENTS OF INSTRUCTION 147

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

*France V. Scholes, M. A., Associate Professor.

James F. Zimmerman, Ph. D., Professor.

Marion Dargan, M. A., Ph. D., Associate Professor.

Lansing B. Bloom, M. A., Associate Professor.

Alice F. Warren, Ph. D., Assistant Professor.

Frank D. Reeve, M. A., Instructor.

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

Major Study. For a major study, students must complete 30 hours, including introductory courses in European and American history. Courses in Ancient History are recommended. Beginning with the year 1930-31, all major students must pass a comprehensive examination as a condition of graduation.

Minor Study. For a minor study, students must complete 18 hours, including introductory courses in European and American history.

PRIMARILY FOR UNDERGRADUATES

21. *Medieval History.* From the Fall of Rome to Peace of Westphalia (1648). 3 credit hours.
22. *Modern History.* From the Peace of Westphalia to the present. 3 credit hours.
51. *History of the United States.* From the adoption of the Constitution to the Civil War. 3 credit hours.
52. *History of the United States.* From the Civil War to the present. 3 credit hours.
61. *History of New Mexico.* From the earliest times to the present. 3 credit hours.

*On leave of absence, 1929-1930.

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- 62. *History of the Southwest.* From the earliest times to the present. 3 credit hours.
- 71. *History of England.* From the earliest times to the overthrow of James II. Prerequisite: History 21. 3 credit hours.
- 72. *History of England.* From the reign of William and Mary to the present. Prerequisite: History 22. 3 credit hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

- 112. *History of the West.* 3 credit hours.
- 131. *History of Greece.* From earliest times through the Hellenistic period. 3 credit hours.
- 132. *History of Rome.* 3 credit hours.
- 135. *English Constitutional History.* 3 credit hours.
(Not given 1930-31)
- 141. *History of Colonial North America.* From the period of discoveries to 1776. 3 credit hours.
- 144. *Social and Intellectual History of the United States (1776 to 1930).* Prerequisite: History 51 or 52, or consent of instructor. 2 credit hours.
- 151. *American Diplomacy.* The foreign relations of the United States from 1776 to the present. 3 credit hours.
- 161. *History of Spain.* From the earliest times to the present. Prerequisites: History 21 and 22. 3 credit hours.
- 164. *History of Mexico.* From prehistoric times to the present. 3 credit hours.
- 165. *American Constitutional History and Law.* Prerequisite: History 51 and 52. 3 credit hours.
- 166. *American Constitutional History and Law.* A continuation of 165. 3 credit hours.
- 171-172. *History of Latin America.* 3 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION 149

- 175. *Medieval Civilization.* Prerequisite: History 21 and 22. 3 credit hours.
- 176. *The Renaissance and Reformation.* Prerequisite: History 21 and 22. 3 credit hours.
- 182. *World Politics since 1870.* A survey of modern history and international problems, with special reference to the World War and post-war problems. Prerequisite: History 22. 3 credit hours.
- 183. *Advanced European History.* 3 credit hours.
- 185. *The Classical Heritage.* Prerequisite: History 21 and 22. 2 credit hours.
- 190. *Problems in Recent American History.* A topical study of the period from 1865 to 1930. 3 credit hours.
- 192. *Historical Method.* 3 credit hours.

PRIMARILY FOR GRADUATES

- 251. *Seminar in Western American History.* 2 credit hours.

POLITICAL SCIENCE

Group Requirements. Courses in Political Science are accepted toward the fulfillment of the requirements in Group III.

Major Study. For a major study, students must complete 30 hours, including courses 21 and 22.

Minor Study. For a minor study, students must complete 18 hours, including courses 21 and 22.

PRIMARILY FOR UNDERGRADUATES

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

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22. *American Government.* Continuation of course 21, which is a prerequisite. 3 credit hours.
71. *European Government.* A study of the organization of the principal governments of Europe. 3 credit hours.
72. *European Government.* Continuation of course 71, which is a prerequisite. 3 credit hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

101. *Municipal Government.* A study of the organization of city government, in the United States. Prerequisites: Courses 21 and 22. 3 credit hours.
102. *American Political Parties.* A study of the organization and functions of political parties in the United States. Prerequisites: Courses 21 and 22. 2 credit hours.
135. *English Constitutional History.* See *History* 135. 3 credit hours. (Not given in 1930-31)
141. *International Law and Relations.* A study of the origin, development, and practical application of the rules governing the intercourse of nations. Prerequisite: 6 hours of History or Political Science. 3 credit hours.
142. *International Law and Relations.* A continuation of 141. 3 credit hours.
151. *American Diplomacy.* See *History* 151. 3 credit hours.
- 165-166. *American Constitutional History and Law.* 6 credit hours.
168. *History of Political Theory.* A survey of political thought from the Greek period to the modern era. 3 credit hours.
182. *World Politics since 1870.* See *History* 182. 3 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION 151

DEPARTMENT OF HOME ECONOMICS

Mrs. Elizabeth Simpson, B. S., Professor.
Susan Moser, 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, in addition to Home Economics 11-12.

PRIMARILY FOR UNDERGRADUATES

- 11-12. *Textiles and Clothing.* 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. Fee \$1.00 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. Fee \$5.00.
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. Fee \$5.00.

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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. Fee \$1.00.
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. Fee \$1.00.

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. Fee \$5.00.
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. Fee \$5.00.
127. *Dietetics*. Dietary standards. Relation of food to health, food requirements dependent on age, occupation, and health. Prerequisite: 106. 4 credit hours.
132. *Household Management and Sanitation*. Care of the house, household accounts, ventilation, water supply, heating, lighting, site and surroundings, the home as social center. Prerequisite: 106. 3 credit hours.
138. *Child Care*. Growth, development, and care of the child through infancy, childhood, and adolescence. 3 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION 153

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. Fee \$5.00.
194. *Teachers' Course.* Principles underlying curricula, methods of presentation, planning and equipping laboratories. Prerequisites: 62 and 106. 4 credit hours.

DEPARTMENT OF LIBRARY SCIENCE

Wilma Loy Shelton, B. A., B. L. S., Associate Professor.

1. *Elementary Library Science.* Introduction to library methods, with a survey of cataloguing, classification, and the sources of printed matter, with methods and practice in search for information in standard reference books, periodicals, government publications, scientific and technical literature. 2 credit hours. Both semesters.

DEPARTMENT OF MATHEMATICS

Charles Anthony Barnhart, M. A., Professor.

J. B. Baker, M. S., Associate Professor.

Carroll V. Newsom, M. A., Assistant Professor.

Chester Russell, B. S., Instructor.

Group Requirements. Students in the College of Arts and Sciences or the College of Education may elect the courses Mathematics 17 (or 11) and 18 toward fulfilling the requirements of Group IV.

Major Study. A major study in mathematics consists of a minimum of 24 hours earned in courses numbered above 50.

Minor Study. A minor study in mathematics consists of a minimum of 12 hours earned in courses numbered above 50.

PRIMARILY FOR UNDERGRADUATES

- A. *Solid Geometry*. Prerequisites: Entrance algebra, 1 unit; plane geometry, 1 unit.. (Open only to students registered in the College of Engineering and to students who plan to register in calculus.) 2 hours a week, no college credit.
11. *Introductory Course*. A combined course which completes the subject matter of college algebra and plane trigonometry. Prerequisites: Entrance algebra, 1 unit; plane geometry, 1 unit. 6 credit hours.
17. *Freshman Course*. A combined course in college algebra and plane trigonometry. Prerequisites: Entrance algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit. 5 credit hours.
18. *Freshman Course*. (New course for freshmen to replace Mathematics 21, 22). A combined course in plane trigonometry and plane analytic geometry. Prerequisites: Mathematics 17 (or 11). 5 credit hours.
- 53-54. *Calculus*. (To replace Mathematics 51, 52, beginning in 1930-31.) Prerequisites: Mathematics A, 17 (or 11), 18. 5 credit hours each.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

(The following will be given as facilities permit. Applicants for graduate work should consult the chairman of the department in advance.)

102. *Modern Geometry*. Prerequisite: Mathematics 18. 3 credit hours.
106. *Mathematics of Investments*. Prerequisite: Mathematics 17. 3 credit hours.
107. *Descriptive Astronomy*. Prerequisite: Mathematics 18. credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION 155

- 111. *Spherical Trigonometry with Application to Astronomy.* Prerequisite: Mathematics 53. 3 credit hours.
- 113. *Theory of Determinants.* Prerequisite: Mathematics 53. 2 credit hours.
- 115. *Theory of Equations.* Prerequisite: Mathematics 53. 3 credit hours.
- 121. *Analytic Geometry of Space.* Prerequisite: Mathematics 54. 3 credit hours.
- 151. *Advanced Calculus.* Prerequisite: Mathematics 54. 3 credit hours.
- 152. *Differential Equations.* Prerequisite: Mathematics 54. 3 credit hours.
- 161. *History of Mathematics.* Prerequisite: Mathematics 54. 3 credit hours.
- 162. *Teachers' Course.* Prerequisite: Mathematics 18. 3 credit hours.
- 181-182. *Pré-Seminar.* Prerequisite: A minor in mathematics. (Not open to graduate students.) 2 credit hours each semester.

PRIMARILY FOR GRADUATES

- 214. *Modern Algebra.* Prerequisites: Mathematics 113, 115. 3 credit hours.
- 221. *Projective Geometry.* Prerequisites: Mathematics 102 and 121. 3 credit hours.
- 222. *Introduction to Difference Equations.* Prerequisites: Mathematics 115, 151, and 152. 5 credit hours.
- 241-242. *Functions of a Complex Variable.* Prerequisites: Mathematics 115, 151, and 152. 3 credit hours each.
- 247-248. *Theory of Statistics.* Prerequisites: 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

John B. Baker, M. S., Associate Professor.

R. J. Munro, B. E. in M. E., Instructor.

W. C. Wagner, B. S. in C. E., Instructor.

William Blank, Student Assistant.

4. *Pattern Shop*. Bench and lathe work in wood. Practice in the interpretation of working drawings. Pattern making. Instruction in molding and core making. 6 hours shop work per week. 2 credit hours. Fee \$6.00.
6. *Machine Shop*. Bench forging and machine work in metals. 6 hours shop work per week. 2 credit hours. Fee \$6.00.
- 17-18. *Engineering Drawing and Descriptive Geometry*. Correlation of the science and practice of mechanical drawing. Lettering. Projections. Developments. Intersections. Pictorial Representations. Sketching. Tracing. Prerequisite: Mathematics A or enrollment for it first semester. One hour recitation. 6 hours in drafting room per week. 3 credit hours each. Fee \$2.00 each.
51. *Machine Drawing*. Sketches, detail, and assembly drawings of machine parts according to commercial practice. Prerequisite: M. E. 18. Two three-hour drawing periods. 2 credit hours. Fee \$2.00.
52. *Empirical Design*. Design of machine elements from empirical formulae; use of handbook; detail drawings. Prerequisite: M. E. 51. Two three-hour drawing periods. 2 credit hours. Fee \$2.00.
54. *Materials*. The common materials of construction, metallurgy of iron and steel, heat treatment, foundry

COURSES IN DEPARTMENTS OF INSTRUCTION 157

- methods. Prerequisite: Chemistry 2. 2 lecture hours per week. 2 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 53 and 54, and Physics 51 and 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.
104. *M. E. Heat Laboratory*. Standard tests of steam equipment. One three-hour laboratory period. One credit hour. For students of electrical and civil engineering. Prerequisites: M. E. 101. 2 credit hours. Fee \$2.00.
105. *Mechanical Engineering Laboratory*. Standard methods of testing mechanical engineering equipments. Prerequisite: M. E. 102. 1 hour lecture and 6 hours laboratory per week. 3 credit hours.
106. *Internal Combustion Engines*. Gas, oil, and gasoline engines, designs, and thermodynamic applications. Prerequisite: M. E. 102. 3 hours recitation and lecture per week. 3 credit hours.
113. *Rational Design*. Development and use of rational formulae for design of machine elements; analysis; computations; detail drawings. Prerequisites: M. E. 52, Math. 53 and 54, Physics 51 and 52. Two two-hour recitations and two three-hour drawing periods. 4 credit hours. Fee \$2.00.
114. *Mechanisms*. Link motions; cams; gears; kinematics. Prerequisites: C. E. 105, P. M. 18. Two hours lecture and two three-hour laboratory periods. 4 credit hours. Fee \$2.00.

- 115-116. *Machine Design*. Design of machinery subjected to heavy and variable stresses. Prerequisites: M. E. 113, 114. 2 recitations and three three-hour laboratory periods, first semester. 3 hours recitation and 3 hours drawing second semester. 5 credit hours and 4 credit hours respectively.
118. *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.
141. *Theory of Aviation*. Essential principles of aeronautics; results of wind tunnel and flight experiments; modern aerodynamical theories. Prerequisite: C. E. 105. Three hours recitation per week. 3 credit hours.
142. *The Aeroplane*. A description of modern aircraft; the performances of airplanes; the aircraft power plant. Prerequisite: M. E. 141. Three hours recitation per week. 3 credit hours.
144. *Propellers and Instruments*. The theory of propellers; analysis of propeller performance; discussion of aeronautical instruments and control devices. Prerequisite: M. E. 141. Three hours recitation per week. 3 credit hours.
146. *Aeroplane Design*. Design of the airplane from aeronautic and strength standpoints. Discussion and practice. Prerequisites: M. E. 141, M. E. 115. Six hours in drafting room per week. 2 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION 159

DEPARTMENT OF MODERN LANGUAGES AND LITERATURE

W. C. Zellars, Ph. D. (to be conferred in 1930),
Associate Professor.

Anita M. Osuna, M. A., Assistant Professor.

William F. J. DeJongh, M. A., Assistant Professor.

*John E. Englekirk, M. A., Instructor.

Arthur Leon Campa, B. A., Graduate Fellow.

Mary H. Bruno, B. A., Graduate Fellow.

Entrance Requirements. Students presenting two high school units may enroll in French 55, Spanish 51 or 53, and German 51. But if the work was taken earlier than the year immediately preceding entrance, admittance to these courses is provisional; in case of deficiency during the first six weeks, such students may be required to take a review course without college credit.

Major Study. In Spanish, a major consists of twenty-four credit-hours in courses above Spanish 41. A Spanish major requires a minor in French or Latin. Students with Spanish majors are urged to take courses in Roman or Western European history; in Spanish, Latin American, or New Mexican history; in Greek and Roman mythology; and in Latin. No major is offered in French or German.

Minor Study. A minor in French or Spanish requires twelve hours above the first year of college work, or above two years of high school. No minor is offered in German. No course numbered below 50 can count for minor credit.

FRENCH

PRIMARILY FOR UNDERGRADUATES

- 1-2. *Elementary French.* Drill in pronunciation and grammar, and reading of simple texts. 4 credit-hours each semester.

*On leave of absence, 1929-30.

- 55-56. *Intermediate French*. Reading and Composition, including a review of the fundamentals of grammar. Prerequisite: French 1 and 2, or two entrance units. 4 credit hours each semester.
- 111-112. *General Survey of French Literature*. Reading of masterpieces from the principal authors, supplemented by lectures by the instructor in charge. 3 credit hours each semester.

GERMAN

PRIMARILY FOR UNDERGRADUATES

- 1-2. *Elementary German*. Drill in pronunciation and grammar, and reading of simple texts. 4 credit hours each semester.
- 51-52. *Intermediate German*. In German 51, reading of modern literature, with some emphasis on speed; in German 52, reading in scientific German. Prerequisite: German 1 and 2, or two entrance units. 4 credit hour each semester.

SPANISH

- 1-2. *Elementary Spanish*. Study of the fundamental rules of Spanish grammar, and the principal irregular verbs. As soon as possible reading will be introduced, and also simple Spanish conversation. 5 credit hours each semester.
3. *Review of Fundamentals*. (First semester only.) This course consists of a review, without college credit, of the fundamental principles of Spanish grammar, together with the reading of at least one text, and is required of those whose preparation is

COURSES IN DEPARTMENTS OF INSTRUCTION 161

insufficient to enable them to proceed with Spanish 41 or 51. Those who pass this course satisfactorily may take Spanish 41 in the second semester with college credit.

- 41. *Intermediate Spanish.* Reading and grammar, and conversation based on the text. Not counted for major credit. Repeated in the second semester. 3 credit hours.
- 51-52. *Intermediate Reading.* Reading, paraphrasing of passages from the text, and conversation based on reading. Course 51 is repeated in the second semester, and carries major credit. 3 credit hours each semester.
- 53-54. *Intermediate Composition.* 2 credit hours each semester.
- 91-92. *Advanced Reading.* This course covers the works of standard authors. Prerequisites: Spanish 51-52 or equivalent. Strongly recommended for students who expect to major in Spanish. 3 credit hours each semester.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

- 103-104. *Advanced Composition and Conversation.* Designed to develop fluency in speaking and writing Spanish. Prerequisites: Spanish 51, 52, 53, and 54. 3 credit hours each semester. (In special cases well qualified students may be admitted without all of these prerequisites, by permission of the head of the department.)
- 121-122. *Evolution of the Spanish Drama.* The first semester outlines briefly the important early dramatists, and places emphasis upon the principal dramatists of the Golden Age; the second semester emphasizes the 19th and 20th centuries. 3 credit hours each semester.

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131. *Advanced Spanish Grammar*. Prerequisite: 103-104, or equivalent. This course is designed to give a complete understanding of Spanish grammar and syntax, and is urged for all who intend to teach or make other practical use of Spanish. 2 credit hours.
132. *Stylistics*. Prerequisite: Spanish 131, or equivalent. Designed to develop naturalness and ease in the use of the language. 2 credit hours.
- 151-152. *General Survey of Spanish Literature*. The first semester covers the period before 1700; the second semester emphasizes the 19th and 20th centuries. 3 credit hours each semester.
153. *Phonetics*. The purpose of this course is to correct defects of pronunciation by scientific study of the sounds of the language. 2 credit hours.
154. *Spanish Intonation*. A study of the proper voice inflection to be used in Spanish conversation, prose, poetry, and dramatic literature. 2 credit hours.
191. *Course for Teachers*. An analysis and discussion of the various practical methods of language instruction to be employed in the class room. 2 credit hours.
201. *Historical Spanish Grammar*. A study of the principal laws involved in the evolution of Spanish from Latin. Required of all candidates for the M. A. degree. 2 credit hours.
202. *Old Spanish Readings*. This course is designed as a practical supplement to Spanish 201, and will illustrate practical application of historical laws. 2 credit hours.

EVENING COURSES

- 5-6. *Fundamentals of Spanish Grammar*. Reading and conversation based on text will be taken up as early as possible: This course is especially planned to

COURSES IN DEPARTMENTS OF INSTRUCTION 163

give a practical knowledge of Spanish to those who have not had the opportunity of studying it before. 2 credit hours each semester.

- 101-102. *Practical Commercial Composition and Conversation.* 2 credit hours each semester.

DEPARTMENT OF MUSIC

Grace Thompson, B. Mus., Associate Professor.
Bernard Helfrich, B. M., Instructor in Piano and Theory.
Florence Smith, Instructor in Voice.
Helen Woytych, B. A., Instructor in Violin.
Nina Ancona, Part-Time Instructor in Pipe Organ and Theory.
Lena Clauve, B. A., Instructor in Public School Music.
William M. Kunkel, Instructor in Wood Wind Instruments and Band Director.

Major Study. A major study in Music implies specialization in voice, piano, violin, pipe organ, or public school music, and consists of a minimum of 24 credit hours in the subject of specialization, and 12 hours of theory.

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

Fees. Additional fees are charged for Piano, Voice, Violin, and Pipe Organ. (See page 69)

Miscellaneous. Each student of Piano, Voice, Violin, and Organ is required to give one successful performance in recital during the junior and senior years, and all music students are required to attend all studio recitals, and to take part in recitals and public exercises.

THEORY OF MUSIC

- 1-2. *Harmony.* Scales, intervals, triads and their inversions. Two recitations a week. 4 credit hours for two semesters.

- 51-52. *Counterpoint*. Prerequisites: Music 1 and 2. Two recitations a week. 2 credit hours.
- 61-62. *Ear Training and Sight Reading*. Prerequisite: Music 1 and 2. Reading of folk songs; two, three, and four part songs; study of rhythms in reading material; study of intervals, scales, modulations. Dictation, oral and written. 2 credit hours.
- 161-162. *History of Music*. A historical survey of the growth of music to the present day. A biographical study of great composers and their important compositions. Music in the United States. 2 credit hours.
- 101-102. *Form and Analysis*. Prerequisite: Music 1-2, 51-52, 61-62. 2 credit hours.
- 103-104. *Composition*. Prerequisite: Music 101-102. 2 credit hours.
- 163-164. *Music Appreciation*. Prerequisite: Music 161-162. A course designed to cultivate an intellectual attitude in listening to music without over-emphasizing the technical nature of a musical composition. 2 credit hours.

MUSIC METHODS

173. *Music Education*. Kindergarten, 1, 2, and 3 grades. 2 credit hours.
174. *Music Education*. Grades 4, 5, and 6. 2 credit hours.
175. *Music Education*. Junior and Senior High School. 2 credit hours.
- 177-178. *Orchestration*. Prerequisite: Music 61-62. Public school conducting and orchestration; study of the instruments of the orchestra; orchestra material. 2 credit hours each semester.

COURSES IN DEPARTMENTS OF INSTRUCTION 165

179-180. *Operettas and Their Production*. A study of operettas for grade and high school work with experience in giving some productions. Open only to seniors who have completed three years of required work. 2 credit hours.

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, with outside practice 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 the same course for no additional credit in order to attain eligibility for registration in the next following course. All students are required to attend all studio recitals and take part when requested.

1a, b -2a, b. *Freshman Course*. Hand culture, finger exercises, phrasing, and ear training. Major and minor scales in double thirds. The equivalent of the following will be studied: Bach's *Little Preludes*, *Fugues*, and *Two and Three-part Inventions*; sonatas by Mozart and Haydn; pieces by Beethoven, Mendelssohn, Schumann, Chopin, and modern composers; and Hanon's *Virtuoso Pianist*. One or two private lessons a week. 2 or 4 credit hours each semester.

- 51a, b-52a, b. *Sophomore Course*. Compositions designed to develop artistic appreciation and interpretation. Exercises to increase ability, accuracy, and endurance. One or two private lessons a week. 2 or 4 credit hours each semester.
- 101a, b-102a, b. *Junior Course*. Selections studied will be of concert grade. Appearances in recital and ensemble are required. A maximum of 8 credit hours may be earned in this course. Two private lessons a week and outside prescribed practice. 4 credit hours each semester.
- 151a, b-152a, b. *Senior Course*. A public recital from memory is required at 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. 4 credit hours each semester.
- 195a, b-196a, b. *Advanced Studies in Repertoire*. Prerequisite: Piano 151, 152. One or two lessons a week. 2 or 4 credit hours each semester.

PIPE ORGAN

(Note: Prerequisite for Pipe Organ: Freshman and Sophomore Piano, as described in catalog.)

- 1a, b-2a, b. *Freshman Course*. Pedal exercises, exercises for independence between manuals and pedals, registration, and hymn-playing. Stainer: *The Organ*, and Schneider: *Forty-four Studies for the Organ*, will be used. Prerequisite: Piano 1 and 2, 51 and 52. One or two private lessons a week and additional prescribed practice. 2 or 4 credit hours each semester.
- 51a, b-52a, b. *Sophomore Course*. Special attention will be given to solo and choir accompaniment, practice in sight reading, and music for use in church

COURSES IN DEPARTMENTS OF INSTRUCTION 167

services. Dudley Buck: *Studies in Pedal Phrasing*, and Bach: *Little Preludes and Fugues*, will be used. One or two private lessons a week and additional prescribed practice. 2 or 4 credit hours each semester.

101a, b-102a, b-151a, b-152a, b. *Advanced Courses for Juniors and Seniors*. Advanced compositions suitable for church and concert use. Particular attention will be given to interpretation and registration and individual needs of each student. One or two private lessons a week and additional prescribed practice. 2 or 4 credit hours each semester.

VIOLIN

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 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. 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 semester.

51a, b-52a, b. *Sophomore Course*. Further study of bowing and of technique; double stopping and natural harmonics, major and minor scales. A maximum of 8 credit hours may be earned in this course. One or two private lessons a week and outside prescribed practice. 2 to 4 credit hours each semester.

- 101a, b-102a, b. *Junior Course*. Advanced work in the different varieties of bowing; scales; chords, double stopping and advanced technique. Selections studied will be of concert grade. Orchestral and ensemble playing. Junior recital required. A maximum of 8 credit hours may be earned in this course. Two private lessons a week and outside prescribed practice. 4 credit hours each semester.
- 151a, b-152a, b. *Senior Course*. Concertos, sonatas, and pieces suited to advanced students. Senior recital required. A maximum of 8 credit hours may be earned in this course. Two private lessons a week and outside prescribed practice. 4 credit hours each.
- 195a, b-196a, b. *Advanced Courses*. Prerequisites: Violin 151, 152. One or two lessons a week. 2 or 4 credit hours.

WOOD WIND AND BRASS WIND INSTRUMENTS

Courses in wood wind and brass wind instruments are offered according to the demand. Standard books of instruction are used, fitted to the grade of the student.

VOICE

The offerings in Voice are intended to develop the voice and the 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

COURSES IN DEPARTMENTS OF INSTRUCTION 169

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 register in the same course for no additional credit in order to attain eligibility for 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 Gorrell; 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 Bordoni, 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. 4 credit hours each.

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. Two private lessons a week and outside prescribed practice. 4 credit hours each.

195a, b-196a, b. *Advanced Courses*. Prerequisite: Voice 151, 152. One or two lessons a week. 2 or 4 credit hours. Studio recitals required.

ENSEMBLE MUSIC

Each year courses are organized in ensemble music, consisting of orchestra, band, and choruses for men's, women's, and mixed voices. The chorus courses include instruction and practice in sight reading. Open to all qualified students, tests for qualification being held during Freshman Week. Not more than four semesters' credit in ensemble music can be counted towards graduation. Two meetings a week. 1 credit hour each semester.

MUSIC FEES

Lessons per week

Piano	1 ½-hr	\$18.00
	2 ½-hr	36.00
Piano rental per semester		5.00 1930-31
Pipe Organ	1 ½-hr	36.00
	2 ½-hr	72.00
Pipe Organ rental, per hour		.25
Violin	1 ½-hr	18.00
	2 ½-hr	36.00
Voice	1 ½-hr	18.00
	2 ½-hr	36.00
Piano rental per semester		5.00 1930-31
Wind Instruments	1 ½-hr	18.00
	1-hr or 2 ½-hr	36.00

Additional Courses:

Private lessons in Harmony or Counterpoint can be taken at the rate of \$18.00 a semester for 1 lesson per week.

COURSES IN DEPARTMENTS OF INSTRUCTION 171

DEPARTMENT OF PHILOSOPHY

Jay C. Knode, Ph. D., Professor.

Group Requirements. All courses are accepted toward the requirement in Group III.

Major Study. Not offered at the present time.

Minor Study. A minor study consists of any 12 hours earned in the department, with the provision that courses running through two semesters are not to be divided.

151. *Introduction to Reflective Thinking.* An elementary introduction to the problems of the modern world and the philosophic outlook upon them. Representative texts used are: Edman's *Richard Kane Looks at Life*, Dimnet's *The Art of Thinking*, Lippman's *A Preface to Morals*, and Patrick's *The World and Its Meaning*. 3 credit hours.
152. Course 151 continued, with the inclusion of a rapid survey of the history of European philosophy. Representative texts used are: *The Education of Henry Adams*, Whitehead's *Science and the Modern World*, Alexander's *Nature and Human Nature*, and Boas' *The Major Traditions of European Philosophy*. 3 credit hours.
153. *Present-Day Ethics.* The course not only deals with standards of right conduct for the modern individual, but treats of political and social ethics, social and moral evolution, comparative and systematic ethics, and the relation of the subject to the fields of psychology, metaphysics, and religion. The principal text used is: Wright's *General Introduction to Ethics*. 3 credit hours.
154. *Principles and Processes of Thought.* Besides covering the usual ground in the field of logic, including correct reasoning and logical analysis, the course will treat of hindrances and aids to various types

of thinking, principles of thinking involved in the scientific method, statistics and correlation, the role of value in legal thinking, problems in historical explanation, and some phases of esthetic and ethical thinking. The text used is: Burt's *Problems and Principles of Right Thinking*. 3 credit hours.

- 155-156. *Advanced Philosophy*. Beginning with the developments of philosophy in recent times, as represented by the contributions of James Dewey, Morgan, Whitehead, S. Alexander, Bergson, Santayana, and others, the course will trace certain persistent concepts back through the work of the older philosophers, including Kant, Spinoza, Descartes, Plotinus, Aristotle, and Plato. Prerequisite: six hours from courses listed above. 3 credit hours each semester. (Not given 1930-31)

DEPARTMENT OF PHYSICAL EDUCATION

Roy W. Johnson, B. A., Professor and Director of Athletics.

Loretta Barrett, B. A., Instructor.

J. P. McFarland, B. A., Assistant Athletic Director and Freshman Coach.

W. L. Barnes, Director of Physical Education and Freshman Coach.

(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 supply the needs of students who otherwise are not taking sufficient exercise.)

COURSES IN DEPARTMENTS OF INSTRUCTION 173

COURSES FOR MEN

- 1-2. *Freshman Course.* Setting up exercises, elementary floor and apparatus work, games involving agility. Required of all freshmen, and of upper classmen who have not credit for a similar course. Three hours per week. 1 credit hour.
- 51-52. *Sophomore Course.* Advanced floor and apparatus work, and games such as wrestling, boxing, fencing, swimming, etc. Required of all sophomores and upper classmen who have not credit for a similar course. Three hours per week. 1 credit hour.
- 53-54. *Corrective Gymnastics.* 2 credit hours.
- 57-58. *Boxing and Wrestling.* Elective, and may be substituted for 51, 52. Credit earned in this course is not counted towards a degree in addition to credit earned in 1, 2, 51, and 52. Two hours a week. 1 credit hour.
- 135-136. *Coaching.* Strategy and tactics as applied to football, basketball, and track. Lectures, quizzes, and assigned readings. Open to all advanced students or to those who have been members of a Varsity squad. 2 credit hours.

COURSES FOR WOMEN

The uniform consists of white blouse, black knickers, light tan hose, and high all-white tennis shoes. A fee of 50 cents per year is charged for each locker for students in Physical Education Classes.

- 5-6. *Freshman Course.* This course is adapted to the needs of students as revealed by their physical examinations. Swimming, tennis, hockey, horse-back riding, volley-ball, posture training, floor work, dancing, basket-ball, base-ball, golf, and track and field athletics. Required of all freshmen and of

upper class students who do not have credit for a similar course. Three hours per week. 1 credit hour.

5e-6e. *Horseback Riding* (Freshmen Women). Fee \$10.00 per semester.

55-56. *Sophomore Course*. Swimming, tennis, field hockey, horse-back riding, volley-ball, posture training, floor work, dancing, basket-ball, base-ball, golf, and track and field athletics. Prerequisites: 5, 6. Required of all second-year students. Three hours per week. 1 credit hour.

105-106. *Recreational Leadership*. Psychology of play, practice of games suitable to different ages, organization, equipment and management of play-grounds, community recreation in its relation to mental hygiene and social attitudes, Girl Scouts, Camp Fire Girls, and Girls Clubs. Lectures, recitations and practices. Prerequisites: 5, 6. 65 and 56. Three hours per week. 3 credit hours.

DEPARTMENT OF PHYSICS

Robert S. Rockwood, M. S., Professor.

Grant Anderson, Student Assistant.

Major Study. 24 credit hours, but not including 61.

Minor Study. 12 hours, but not including 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. *General Physics*. A course for students in the College of Arts and Sciences that will satisfy the Physics requirement for the pre-medical course. Lectures and problems 3 hours, laboratory 1 period per week. 4 credit hours. Fee \$3.00.
2. *General Physics*. A continuation of Physics 1. Fee \$3.00.

COURSES IN DEPARTMENTS OF INSTRUCTION 175

51. *Engineering Physics*. Mechanics and heat. Lectures and recitations, 3 hours per week. Prerequisite: Mathematics 17 and 18. 3 credit hours.
52. *Engineering Physics*. Electricity, sound, and light. Lectures and recitations, 3 hours per week. Prerequisite: Physics 51. 3 credit hours.
53. *Laboratory Physics*. Mechanics and heat. To accompany Physics 51. Discussion and problems, 1 hour; laboratory, 1 period per week. 2 credit hours. Fee \$4.00.
54. *Laboratory Physics*. Electricity, sound, and light. To accompany Physics 52. Discussion and problems, 1 hour; laboratory, 1 period per week. Fee \$4.00.
61. *Household Physics*. Intended for students of home economics. Lectures and recitations, 3 hours per week. 3 credit hours.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

111. *Electricity and Magnetism*. Lectures and recitations; 2 hours per week. Prerequisites: Physics 51, 52, and Mathematics 51 and 52. 2 credit hours.
113. *Electrical Measurements*. To accompany Physics 111. Laboratory, 2 periods per week. 2 credit hours. Fee \$4.00.

(Note:—The following courses will be offered as circumstances permit.)

131. *History of Physics*. Lecture 2 hours per week. Prerequisite: Physics 1 and 2 or 51 and 52. 2 credit hours.
151. *Seminar*. Prerequisites: Physics 1 and 2 or 51 and 52. 2 credit hours.
156. *Advanced Light*. Lecture and recitations, 2 hours per week. Prerequisites: Physics 51 and 52, and Mathematics 51 and 52. 2 credit hours. (Not given 1930-31.)

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162. *Advanced Heat.* Lectures and recitations, 2 hours per week. Prerequisites: Physics 51, 52, 53, 54, and Mathematics 51 and 52. 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.

DEPARTMENT OF PSYCHOLOGY

Benjamin F. Haught, Ph. D., Professor.

Richard M. Page, M. A., Instructor.

John Edwin Earl, B. S., Graduate Fellow.

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.

UNDERGRADUATE COURSES

51. *General Psychology.* A general survey of psychology; its material, fundamental laws, applications, and relations to other sciences. 2 lectures and 1 class experiment each week. 3 credit hours. Fee \$1.00.
52. *General Psychology.* A continuation of 51, with a more intensive consideration of theoretical foundations, and with a broad survey of the various fields to which psychological principles have been applied, or in which the psychological approach has been recognized. 2 lectures and one class experiment each week. 3 credit hours. Fee \$1.00.
54. *Educational Psychology: Elementary.* Heredity and environment; kinds of learning and factors influencing learning; individual differences; the transfer

COURSES IN DEPARTMENTS OF INSTRUCTION 177

of training; the measurement of mental traits; the measurement of achievement in the school subjects; the new type examination. Prerequisite: Psychology 51. 3 credit hours.

83. *Vocational 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: Psychology 51. 2 credit hours.
84. *Industrial Psychology*. A study of the laws of work and fatigue as they apply to the factory, and a study of the effect upon the worker of various environmental and psychological factors. Prerequisite: Psychology 51. 2 credit hours.

ADVANCED UNDERGRADUATE AND GRADUATE COURSES

101. *Social Psychology*. A study of behavior as influenced by other human beings. 3 lectures or recitations each week. Prerequisite: Psychology 51. 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: Psychology 51. 3 credit hours.
116. *Statistical Method: Elementary*. Methods of collecting data for educational and psychological problems; the interpretation of data by graphic and mathematical devices; the calculation of averages, variabilities, and simple correlations. Prerequisite: Psychology 51. 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: Psychology 51 and 52. 3 credit hours. Fee \$2.00.

122. *Experimental Psychology.* A continuation of Psychology 121. Prerequisite: Psychology 51 and 52. 2 credit hours. Fee \$2.00.
161. *Advanced Social Psychology.* A detailed study of a selected social institution with the aim of discovering its influence upon the individual, the nature of the psychological controls exercised by the institution, and the problems it presents to students of the social order. Selection of topics will be made by the class from such institutions as Religion, Business, Journalism, Government, and Education. Prerequisites: Psychology 101 and 103, or 101 and 116. 3 credit hours.
163. *Advanced Social Psychology.* Courses 161 and 163 will be given in alternate years, different institutions being studied each year. The approach will be the same, but there will be no duplication of subject matter. Prerequisites as above. 3 credit hours.
183. *Educational Psychology: Advanced.* The nature of learning and retention; learning curves, their uses and significances; factors affecting the rate and permanence of learning; problems relating to the learning capacity; transfer of training; economy in learning. Prerequisite: Psychology 51, and either 52 or 54. 3 credit hours.
185. *Mental Measurements.* A study of mental tests, both individual and group; the origin and history of the testing movement; practice in the administration of tests and the interpretation of results. Prerequisite: Psychology 51 and 116. 3 credit hours. Fee \$1.00.
186. *Educational Measurements.* A study of the standard tests for measuring achievement in the elementary and secondary school subjects; practice in the administration of tests and the interpretation of results; methods of improving the results of instruc-

COURSES IN DEPARTMENTS OF INSTRUCTION 179

- tion through the use of tests. Prerequisite: Psychology 51 and 116. 3 credit hours. Fee \$1.00.
190. *Clinical Psychology*. Clinical practice in administering general intelligence tests, performance tests, and various diagnostic tests; round-table discussions of clinical cases taken from public schools and other sources. Prerequisite: Psychology 103 and 185. 2 credit hours.
192. *Statistical Method: Advanced*. A brief review of elementary statistics; correlation, regression and linear relations; partial and multiple correlation; transmutation of scores, probable errors, coefficient of reliability, and measurement of skewness. Prerequisite: Psychology 51 and 116. 3 credit hours.
198. *History of Psychology*. Current psychological problems and modern trends in psychological thought considered from the historical point of view. Prerequisite: 9 credit hours in psychology. 3 credit hours.

GRADUATE COURSES

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.
251. *Special Problems*. A detailed study of a problem approved by the instructor. Prerequisite: Consent of instructor. 2 credit hours.
300. *Masters' Theses in Psychology*. 3 credit hours.

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 Sessions 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 prospective teachers, teachers in service, and administrators. All courses may be counted toward the baccalaureate degree, unless otherwise specified; and in general courses numbered above 100 may be counted toward 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.

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, 1929

Anthropology	Instructor Tanquist
Indian Art	Visiting Instructor Chapman
Sociology	Instructor Tanquist
Archaeology	Instructor Tanquist
Color Theory and Design	Instructor Fricke
Applied Design	Instructor Fricke
Methods of Teaching Art	Instructor Fricke
General Biology	Professor Castetter
Physiographic Etjology	Professor Castetter
Human Physiology	Professor Castetter
Economics	Visiting Instructor Roloff
Money and Banking	Visiting Instructor Roloff
Public Finance	Visiting Professor Roloff
Introduction to Education	Assistant Professor Reid
Classroom Organization and Management	Assistant Professor Reid
Educational Psychology	Visiting Instructor McClellan
Practice Teaching in the Ele- mentary School	Assistant Professor Tireman
Vocational Education	Visiting Instructor Rockey
History of Education	Assistant Professor Reid
Supervision of the Language Arts	Assistant Professor Tireman
Supervision of Elementary School Instruction	Visiting Instructor Kyte
High School Curriculum	Associate Professor Diefendorf
High School Methods	Associate Professor Diefendorf
Elementary School Curriculum	Visiting Instructor Kyte
High School Supervision	Associate Professor Diefendorf
State School Administration	Professor Nanninga
Intelligence Tests	Professor Haught
Educational Tests	Visiting Instructor McClellan
Statistical Method	Professor Haught
Review English	Assistant Professor Wicker

Freshman Composition	Visiting Instructor Johnson
History of English Literature	Assistant Professor Wicker
Shakespeare	Assistant Professor Wicker
Literary Criticism	Visiting Instructor Johnson
English Novel	Visiting Instructor Johnson
General Geology	Professor Ellis
Geography	Professor Ellis
Political Science	Visiting Instructor Sacks
Modern History	Visiting Instructor Sacks
New Mexico History and Civics	Visiting Instructor Sacks
Colonization of the U. S after Independence	Visiting Instructor Baldwin
International Law and Relations	Visiting Instructor Baldwin
Intellectual History of Western Civilization	Visiting Instructor Baldwin
Textiles and Clothing	Instructor Moser
Foods and Cookery	Visiting Instructor McFarlane
Textiles	Instructor Moser
Home Management and Sanitation	Instructor Moser
Child Care	Visiting Instructor McFarlane
Elements of School Health	Associate Professor Scott
Educational Hygiene	Visiting Instructor Tihen
Plays and Games for Elemen- tary Schools	Visiting Instructor Tihen
Swimming (Women)	Visiting Instructor Tihen
Swimming (Men)	Director of Athletics Johnson
Coaching Girls Athletics	Visiting Instructor Tihen
Coaching Football and Track	Director of Athletics Johnson
Coaching of Basketball	Director of Athletics Johnson
Library Reference Course	Assistant Professor Shelton
Library Methods for Teachers	Assistant Professor Shelton
College Algebra	Professor Barnhart
Plane Trigonometry	Professor Barnhart
Teachers' Course in Mathe- matics	Professor Barnhart
Spanish Review Course	Assistant Professor Osuna
Spanish Composition	Assistant Professor Osuna
Spanish Short Story	Assistant Professor Osuna
Advanced Spanish Composition	Associate Professor Evers
Spanish Romantic Movement	Associate Professor Evers

SUMMER SESSION

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Survey of Spanish Literature
Phonetics (Spanish)
Piano

Voice

Sight Singing and Ear Training

Public School Music Methods

General Psychology

General Psychology

Associate Professor Evers

Associate Professor Evers

Instructor Pierce and

Visiting Instructor Clauve

Instructor Smith

Visiting Instructor Clauve

Visiting Instructor Clauve

Visiting Instructor McClellan

and Professor Haught

Professor Haught

SUMMER SESSION 1930

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

June 9 to August 2, 1930. Eight Weeks

The University of New Mexico Summer Session offers the following information for your consideration:

1. Faculty. The faculty is the primary consideration. Examine carefully the announcements of the various courses for the training and experience of the instructors.
2. Undergraduate and Graduate Courses leading to the Bachelor of Arts and Bachelor of Science degree in the College of Education and the College of Arts and Sciences, also for the Master of Arts degree in the Graduate School, may be obtained in the Summer Session.
3. Living Expenses. The University of New Mexico dormitories are open to Summer Session students at extremely low terms. Board and room may be had for \$30.00 to \$37.50 per month.
4. Acquaintanceship to be formed. New Mexico students should attend New Mexico institutions. It is particularly helpful for teachers in New Mexico to meet superintendents and principals from all parts of the state. The teachers' placement bureau secures positions for many of the Summer Session students.
5. Recreation. The University of New Mexico has a new gymnasium, new cement tennis courts, and an out-of-doors swimming pool.
6. Standing. The University of New Mexico has been fully accredited by the Committee on Higher Education of the North Central Association since 1922, and has progressively developed its standard.

7. Courses offered. Archaeology, Anthropology, Art, Biology, Chemistry, Economics; Education, Elementary, Secondary, School Administration, Educational Tests, Intelligence Tests, Statistics and Measurements, Educational Hygiene, Educational Psychology; English, French, Geography, Geology, Political Science, Home Economics, Hygiene, Mathematics, Music; Physical Education, Athletic Coaching, Plays and Games, Swimming; Psychology, and Spanish.

Bulletins, announcements, and other information will be sent free and immediately to any person making the request. Address: Registrar Summer Session, University of New Mexico, Albuquerque, New Mexico.

DIRECTORY OF STUDENTS

1929-1930

The following list of names includes all students registered prior to February 13, 1930, during the academic year beginning June 3, 1929, and ending June 2, 1930. The classification is tentative only and is in accordance with credits earned prior to the opening of the second semester, January 28, 1930. No additions for bonuses nor deductions for penalties have been included.

Classification of students in the various colleges is based upon the following standards of credit hours:

Class	College		
	Arts and Sciences	Education	Engineering
Freshmen	0 - 26	0 - 26	0 - 30
Sophomores	27 - 56	27 - 56	31 - 65
Juniors	57 - 90	57 - 90	66 - 105
Seniors	91 - 124*	91 - 124*	106 - 144*

A special student is a person over twenty-one years of age who has not fully satisfied the entrance requirements.

*Note: Beginning with the Freshman class of 1928-1929 and including all students entering college after that time, one hour credit will be given for each semester of the required courses in Physical Education. Future classifications will therefore be based upon the following table:

Class	College		
	Arts and Sciences	Education	Engineering
Freshmen	0 - 28	0 - 28	0 - 32
Sophomores	29 - 60	29 - 60	33 - 69
Juniors	61 - 94	61 - 94	70 - 109
Seniors	95 - 128	95 - 128	110 - 148

The Extension Division includes students enrolled for correspondence work and those enrolled in classes conducted off the campus, with the exception of Field School classes.

The Field Schools are conducted by the University in conjunction with the School of American Research.

COLLEGE OF ARTS AND SCIENCES

FRESHMEN

Ake, Roscoe	Magdalena
Allen, Murray	Albuquerque
Amble, Thelma	Mountainair
Andrews, Frances	Santa Fe
Arnott, Will	Albuquerque
Bachechi, Mario	Albuquerque
Baker, Arthur	Albuquerque
Baker, James	Albuquerque
Barber, John M.	Albuquerque
Barela, Fred	Albuquerque
Barnett, Lucius	Albuquerque
Bartell, Martha	Gallup
Barwise, Thomas	Tucumcari
Bauer, Arnold	Albuquerque
Beers, John B.	Roswell
Beeson, Betty	Roswell
Benson, Nelle	Albuquerque
Berkowitz, Morris	Kansas City, Missouri
Bezemek, Clarissa	Albuquerque
Bezemek, James	Albuquerque
Black, Albert	Albuquerque
Botts, Mildred	Albuquerque
Brooks, Doris	Albuquerque
Bruce, Robert	Albuquerque
Butler, Lois	Elida
Butler, Olive	Roswell
Calkins, James	Albuquerque
Campbell, John	Albuquerque
Case, James	Albuquerque
Chamberlin, Lillian	Albuquerque
Chennault, Chester	Fort Worth, Texas
Chihuahua, Agnes	Mescalero
Childers, Katherine	Albuquerque
Cochran, Wilson	Mercer, Pennsylvania
Compton, Stewart	Artesia
Compton, William	Artesia
Conant, Gladys	Turn
Conner, Henry	Albuquerque
Cowden, Leonard	Roswell
Cox, Ardis	Calipatria, California
Cox, Betty Ann	Albuquerque
Cruz, Moicelio	Albuquerque
Currier, Ruth	Albuquerque
Daily, Carl	Albuquerque
Danahy, Tom	Albuquerque
Dannel, Thomas	Albuquerque

Day, James Warren	Roswell
Day, Pauline	Albuquerque
Du Bois, Frank	Corona
Dunkerley, Garner	Ennis, Texas
Eaton, Dorothy	Socorro
England, Maurine	Clayton
English, Glenneth	Carrizozo
Enloe, James	Albuquerque
Errett, Maurine	Clayton
Evans, Vivian	Elida
Fincke, Gilbert	Albuquerque
Fletcher, Maxine	Albuquerque
Flinn, Arthur	Raton
Floersheim, Myron	Springer
Foster, Rebecca	Albuquerque
Gardner, Esther	Albuquerque
Gardner, Mary	Albuquerque
Garrett, Donald	Deming
Garton, Pauline	Wellington, Kansas
Gentry, Betty	Albuquerque
Gere, Raymond	Albuquerque
Gibbs, Ruth	Las Vegas
Gibson, Charles LeRoy	Belen
Gill, Joseph	Albuquerque
Gilmore, Dale	Beaver Falls, Pennsylvania
Gilmour, James Harold	Saginaw, Michigan
Gilstrap, Gurvis	Roy
Goodwill, Louise	Albuquerque
Gore, Harold	Clovis
Gorman, Aubrey	El Paso, Texas
Gower, Charlie	Elida
Grenko, Tony	Gamercio
Hamilton, Evelyn	Clayton
Hamilton, Jack	Clayton
Harris, Gene	Albuquerque
Hayes, Viola	Albuquerque
Hays, Beatrice	Fort Sumner
Henderson, Alice	Santa Fe
Hendron, Jerome	Albuquerque
Hoban, Joseph	Cleveland, Ohio
Hobbs, Maxine	Wichita, Kansas
Holland, Pauline	Roswell
Hood, George	Rehoboth
Howard, Charles F.	Albuquerque
Howard, Charles W. Jr.	Springfield, Ohio
Hoyler, Joe	Albuquerque
Hughes, Leon	Moriarty
Hughes, Ruth	Hagerman
Hussey, Mrs. Frances	Albuquerque
Hutto, Claude	Albuquerque

DIRECTORY OF STUDENTS

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Ilfeld, Adele	Las Vegas
Johnson, Stephen	Albuquerque
Jones, Myers	Albuquerque
Keel, Ruthe	Roswell
Kellahin, Jason	Roswell
Knotts, Sarah	Albuquerque
Kuntz, Joseph	Lehighton, Pennsylvania
Laffey, Gerald	Albuquerque
Larrazolo, Paul	Albuquerque
Lee, Fred	Roswell
Letton, Thompson	Elida
Leyba, Simon	Albuquerque
Liser, Frances	Fort Worth, Texas
Long, Mrs. Finn	Isleta
Lorentino, William	Albuquerque
Lumpkins, Bill	Roswell
McBride, Max	Grants
McCarty, Thomas	Long Beach, California
McClure, Wilda	Albuquerque
McDonald, Estelle	Albuquerque
McDowell, Helen	Albuquerque
McGee, Maynor Fay	Las Cruces
McGuinness, Joe	Albuquerque
McGuire, Dwight	Los Angeles, California
McGuire, Emma Lee	Albuquerque
McKenzie, Robert	Santa Fe
McLanahan, Janet	Albuquerque
McSpadden, George	Albuquerque
MacGregor, John C.	Albuquerque
Markl, Helen	Roswell
Mateyah, Virginia	Albuquerque
Mattern, Arline	Lehighton, Pennsylvania
Matthew, Richard	Albuquerque
Mead, Helen	Albuquerque
Miller, Margaret	Santa Fe
Mitchell, Edgar	Albuquerque
Moore, Rosebud	Albuquerque
Moore, Wallace	Tucumcari
Nichols, William	Clovis
Ortiz, Mabel	Santa Fe
Osuna, Edward	Albuquerque
Owen, Harry	Los Lunas
Owen, Marguerite	Los Lunas
Painter, Katherine	Albuquerque
Paiz, Frank	Albuquerque

Parker, Olive	El Rito
Patten, Evelyn	Lovington
Pearl, Francis	Albuquerque
Peery, Okel	San Jon
Phillips, Franklin	Liberal, Kansas
Pinson, Walter	Capulin
Polson, Robert	Saginaw, Michigan
Quinn, Wesley	Clovis
Ramsey, Harry	Albuquerque
Rawlings, Alice	Albuquerque
Reardon, Anna Marie	Albuquerque
Reid, Tom	Albuquerque
Renfro, Everett	Albuquerque
Richards, Ruth	Albuquerque
Riordan, Ralph	Albuquerque
Robberson, John	Tucumcari
Roberts, Edward	Albuquerque
Robinson, Joe	Tularosa
Rose, Irene	Las Vegas
Rosenwald, Emanuel	Albuquerque
Roszjer, Helen	Albuquerque
Rountree, Cleo	Santa Fe
Russell, Willie	Liberal, Kansas
Ryan, Edward Marshall	Albuquerque
Rydholm, Clarence	Albuquerque
Salyers, Jimmie Louise	Albuquerque
Sedillo, C. Benito, Jr.	Albuquerque
Sellmeyer, Ralph	Carlsbad
Senter, Donovan	Albuquerque
Sharp, Gayle	Dexter
Sheridan, Susan	Albuquerque
Shockey, Mrs. Ruth	Albuquerque
Shortle, Alice	Albuquerque
Simpson, Elaine	Corona
Slaten, Merwin	Albuquerque
Sloan, Everett	Albuquerque
Smith, Francis	Albuquerque
Smyer, Eileen	Clovis
Spurgeon, Roberta	Albuquerque
Stengele, Dorothy	Lordsburg
Stirrat, Jean	Albuquerque
Stofer, John	Gallup
Stover, Elmo	Belen
Taggart, Thomas	Albuquerque
Talley, Mrs. Hazel	Albuquerque
Terrey, Miriam	Hammond, Indiana
Thompson, Margaret	Santa Fe
Thompson, Ramona	Pauls Valley, Oklahoma
Titworth, Georgia Dean	Albuquerque
Townsend, Frank	Aztec
Trigg, Blanche	Fort Sumner
Troja, John	Raton

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Vann, Lee	Albuquerque
Vaughan, Rose	Fort Sumner
Wagner, Mary Catherine	Albuquerque
Waldie, Earl	Albuquerque
Waldorf, Roger	Pittsburgh, Pennsylvania
Walker, Andrew	Albuquerque
Wegs, Howard	Albuquerque
Whitmore, Margaret	Deming
Wiggins, Bennett	Estancia
Wiley, Margaret	Albuquerque
Williams, Mary Jane	Hope
Wilson, Frances	Albuquerque
Wilson, J. Frederick	Albuquerque
Womack, Fred	Mountainair
Wurm, William	Gallup
Yeatts, Oather	Wilson, Oklahoma
Yeatts, Ocie	Wilson, Oklahoma

SOPHOMORES

Abelard, Marjorie	Santa Fe
Allen, Fritz	Albuquerque
Amador, Albert	Wallecitos
Anderson, Darlene	Albuquerque
Andrick, Fred	Belen
Applegate, Ruth	Santa Fe
Ashe, Nathalyn	Albuquerque
Baca, Tony	Santa Fe
Baer, Daurice	Monticello, Indiana
Bandy, Virginia	Carlsbad
Barela, John	Albuquerque
Becker, Virginia	Clayton
Berkowitz, Reuben	Kansas City, Missouri
Berry, Hazel	Lovington
Berry, Jean	Fort Stanton
Bonner, Ted	Fort Sumner
Boren, J. Paul	Albuquerque
Bratton, Emma Lee	Albuquerque
Brown, Fred	Mesilla Park
Brownlee, Mary	Santa Fe
Cagle, Reese	Roswell
Carden, Mrs. Elva	Albuquerque
Cartwright, John	Cimarron
Case, Janet	Aztec
Cisco, Robert	Nara Visa
Clark, Nellie	Albuquerque
Cleaves, Catherine	Albuquerque
Colby, Lewis	Albuquerque
Coleman, Homer	Tucumcari
Conrad, Wayne	Las Vegas

Coombs, Ralph	Taos
Costales, Dionisio	Albuquerque
Crawford, Fred	Albuquerque
Daily, Ruth	Albuquerque
Devine, Paul-J.	Springer
Dickson, Vivian	Hammond, Indiana
Dilworth, John	Birmingham, Alabama
Dinkle, Clifford	Greenville, Texas
Eatinger, Earl K.	Albuquerque
Edwards, Jean	Albuquerque
Edwards, Pauline	Albuquerque
Eller, Barbara	Albuquerque
Esquibel, Alfonso	Albuquerque
Farrell, Alice	Clayton
Fell, Dorothy	Albuquerque
Fernandez, Eloy	Springer
Forsman, Otto	Roy
Foss, Joseph	Magdalena
Foster, Wesley	Roswell
Garcia, Donald	Albuquerque
Gilbert, Beth	Alamogordo
Gill, Donald	Albuquerque
Gilstrap, Dessie	Roy
Glasier, William Albert	Carlsbad
Goff, Harold	Albuquerque
Gray, Reirdan	Ojo Feliz
Gray, Ronald	Albuquerque
Greenwald, John	Socorro
Griffith, William	Socorro
Hammock, Katherine	Albuquerque
Harp, Ernest	Artesia
Heaney, James	Albuquerque
Hickok, Ruth	Cimarron
Holt, Russell	Albuquerque
Homan, Lilburn	McIntosh
Howard, Wilbur	Albuquerque
Ingalls, Henry	Roswell
Keller, Delight	Albuquerque
Kennedy, Joseph	Rochester, Minnesota
Kirk, Betty	Tulsa, Oklahoma
Koch, J. O.	Albuquerque
Koch, Jocelyn	Albuquerque
Lawson, Tom	Tucumcari
Lee, Philip	Albuquerque
Little, Mrs. Mary E.	Albuquerque
Livingston, Margaret Ellen	Albuquerque

Loken, Ralph	Albuquerque
Lommori, Joe	Albuquerque
Lusk, Wilma	Silver City
McConnell, Mary Louise	Albuquerque
McCormick, Alice	Santa Fe
McCoy, Dorothy	Albuquerque
McDowell, Archie	Albuquerque
McGillivray, Jean	Santa Fe
McGillivray, Jessie	Santa Fe
McGonagill, Mary	Taos
McKnight, Mary Helen	Albuquerque
Mabry, Scott	Albuquerque
Maddux, Loulie	Texico
Malone, Lorene	Albuquerque
Mann, Ruth	Albuquerque
Marshall, A. M. Jr.	Chandler, Oklahoma
Martin, Katherine	Albuquerque
Masters, Paul	Albuquerque
May, Byrnes O.	Albuquerque
Meyer, Jack	Albuquerque
Milner, Richard	Albuquerque
Monson, Francis	Albuquerque
Moses, Donald	Gamercio
Mozley, Joe	Albuquerque
Munnell, Daniel	Altoona, Pennsylvania
Nuanes, Juan	Old Albuquerque
Parenteau, Mildred	Albuquerque
Parsons, Critchell	Fort Sumner
Peck, Pat	Albuquerque
Penny, G. Elwood	Selinsgrove, Pennsylvania
Pinard, Isabelle	Albuquerque
Puccetti, Leo	Albuquerque
Ramsey, Tom	Albuquerque
Reiter, Herbert	Santa Fe
Riordan, Frank	Albuquerque
Rixey, Harry Franklin	Clayton
Robinson, Grace	Albuquerque
Robinson, Roscoe	Albuquerque
Rollie, Allen	Gallup
Romero, Candido	El Valle
Ruch, Monroe	Frederick, Oklahoma
Sanchez, Carlotta	Albuquerque
Schlaudecker, Richard	Erie, Pennsylvania
Schulmeister, Dorothy	Albuquerque
Seamans, Herbert	Alamogordo
Severns, Ellen	Albuquerque
Shockey, Charles	Albuquerque
Snapp, Edwin	Albuquerque
Stamm, Helen	Chinook, Montana

Stamps, Arthur	Albuquerque
Stewart, Waueta	Albuquerque
Stubbs, James Baytop	Galveston, Texas
Stumph, Roy	Albuquerque
Tharp, Fred	Clovis
Trigg, John	Fort Sumner
Tucker, Albert	Albuquerque
Walker, Charlotte Belle	Carlsbad
Watson, Dorothy	Chicago, Illinois
Watson, Josephine	Santa Fe
Wentworth, Mrs. Madelyn	Albuquerque
Westfall, Archie	Dexter
White, Morgan	Springer
Wilson, Norwyn	Albuquerque
Wisecarver, Harold	Fairfield, Iowa
Wittwer, Fanny Belle	Los Lunas
Wortmann, Harry	Peralta
Yontz, Ralph	Chandler, Arizona

JUNIORS

<i>N</i> Adams, Robert	Albuquerque
<i>N</i> *Amis, Robert	Dana, Indiana
<i>N</i> Ball, Roger	Roswell
<i>N</i> Barnhart, Mildred	Albuquerque
<i>N</i> Belton, John	Albuquerque
✓ Bezemek, Marvin	Albuquerque
<i>N</i> Bishop, Mrs. Irene	Albuquerque
<i>N</i> Blakely, R. Keith	French
✓ Boyd, George	Deming
Brown, Woodlief	Albuquerque
Charles, John	Blanco
Childers, Mary	Albuquerque
Clark, Van Deusen	Deming
Coe, Curtis	Maryville, Missouri
Conley, Hardy	Albuquerque
Conley, Vernita	Albuquerque
Conrad, Edith	Santa Fe
Cook, Fletcher	Albuquerque
Cooper, Mrs. Emogene	Albuquerque
Cox, Louise	Albuquerque
Crawford, Marion	Albuquerque
Davy, Margaret	Albuquerque
Draper, Nellie	Albuquerque
Dull, Richard	La Grange, Illinois
Edwards, Kenneth	Socorro

*Deceased

DIRECTORY OF STUDENTS

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Fee, Catharine	Albuquerque
French, Mary Elizabeth	Albuquerque
Garrison, William John	Albuquerque
Gross, Norman	Roswell
Gutierrez, Ofimiano	Albuquerque
Hanson, Jean	Gallup
Harding, Mabel	San Diego, California
Hess, Sarah Ann	Albuquerque
Hickman, Charles	Terre Haute, Indiana
Hillebrand, Phillip	Selma, California
Hix, Mrs. Dorothy	Albuquerque
Hobbs, Hulda	Roswell
Hogins, Estelle	Albuquerque
Holloman, Elizabeth	Santa Fe
Howden, William	Albuquerque
Ingalls, Madge	Roswell
Jensen, Carl	Santa Fe
Kahnt, Beulah	Albuquerque
Kuntz, David	Lehigh, Pennsylvania
Leonard, Harry	La Grange, Illinois
Levert, James	Baton Rouge, Louisiana
Lewis, Romeo	Albuquerque
Long, John E.	Isleta
Lynch, Mae	Albuquerque
McGuire, Juanita	Albuquerque
Malone, G. Max	Albuquerque
Mason, Clara	Roswell
Matteucci, Gino	Albuquerque
Miller, Homer	Hollywood, California
Miller, Stanley	Belen
Monk, Harriet	Albuquerque
Morrison, Dorothy	Roswell
Morrison, George	Loving
Nohl, Fred	Albuquerque
O'Connor, Louise	Crown Point
Owen, Edith	Los Lunas
Paulson, Jerome	Albuquerque
Pearson, Sarah	Tucumcari
Peck, Bernice	Albuquerque
Pelzer, Gross	Tucumcari
Pettit, Mrs. Betty	Albuquerque
Pomerenk, Dorothy	Albuquerque
Pomerenk, May	Albuquerque
Powers, Lockey	Albuquerque
Prentice, Florence	Tucumcari

Redle, Marion	Albuquerque
Reindorp, Reginald	Albuquerque
Reiter, Paul	Santa Fe
Rice, Lucien	Albuquerque
Rice, Roy	Wilbraham, Massachusetts
Riley, Mrs. Bessie	Belen
Riley, Monte May	Tajique
Riley, Richard	Albuquerque
Romero, Gregorita	Magdalena
Schaad, John	Bath, Illinois
Seery, Alfred	Belen
Shaver, Wilson	Albuquerque
Sherman, Betty	Santa Fe
Sherwood, Lucille	Dawson
Simpson, Mrs. Frances	Albuquerque
Smith, Hillard	Mount Hope, Alabama
Snow, Marjorie	Carlsbad
Stephens, Fairfax	Hollywood, California
Stover, Haldane	Albuquerque
Stuart, Annabelle	Roswell
Stubbs, Helen	Albuquerque
Stubbs, Mary Catherine	Galveston, Texas
Swayne, William	Albuquerque
Taylor, Dolores	Carrizozo
Taylor, Eleanor	Albuquerque
Tedford, Virginia	Albuquerque
Thatcher, Margaret	Trinidad, Colorado
Thompson, Jay	Los Lunas
Tucker, Louise	Roswell
Vaught, Jethro	Albuquerque
Vivian, Gordon	Albuquerque
Weaver, Ethel	Dexter
Webb, Gerald	Albuquerque
Wells, Doris	Albuquerque
Whistler, Carl	Albuquerque
White, Edna	Albuquerque

SENIORS

Ancona, Mrs. Nina	Albuquerque
Arledge, Richard	Albuquerque
Armijo, Willard	Santa Fe
Bentley, Estelle	Huntsville, Missouri
Bisbee, Wallace	Albuquerque
Blackburn, Henry	Albuquerque
Botts, Bob	Albuquerque
Brown, Willadene	Albuquerque
Burdell, Georgia	Santa Fe
Brissenden, Robert	Clay City, Illinois

DIRECTORY OF STUDENTS

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Campbell, Jeanne	Albuquerque
Cisco, Lucille	Nara Visa
Connor, Wesley O.	Santa Fe
Corbett, Mrs. Nathalie	Albuquerque
Coulter, Dorothy	Albuquerque
Cox, Margaret	Albuquerque
Crile, Florence	Roswell
Davies, Merlyn	Sugarite
Diver, Dorothy	Dawson
Elder, Ned	Albuquerque
Eller, Marian	Albuquerque
Ferree, Cyrena	Albuquerque
Fish, Jack	Albuquerque
Foraker, Margaret	Albuquerque
Forbes, Carter	Albuquerque
French, Evelyn	Carrizozo
Gilmore, Maureen	Painesville, Ohio
Hickok, Kathleen	Cimarron
Judy, Mrs. Rebecca	Albuquerque
Kay, Ruth M.	Albuquerque
Leese, Elzadie	Alcalde
Leone, Oliver	Galup
Love, Ruth	Clyde, Ohio
McAlister, Broda	Floyd
McCarthy, Gladys	Albuquerque
McKenzie, Donal	Albuquerque
McRae, Bruce	Albuquerque
MacKay, Roy	Fort Stanton
Macleod, Norman	Albuquerque
Malone, Larry	Albuquerque
Matthew, Janet	Albuquerque
Napoleon, Josephine	Albuquerque
Olson, Alice	Albuquerque
Osuna, Ben	Albuquerque
Parra, Ezekiel	Albuquerque
Paulsen, Corder	El Reno, Oklahoma
Pettit, Bob	Albuquerque
Pooler, Mrs. Lolita	Albuquerque
Rash, Jack	Henderson, Kentucky
Rector, Margaret	Tucumcari

Reidy, John	Albuquerque
Rice, Mrs. Netabel	Albuquerque
Russell, John	Albuquerque
Shattuck, Floyd	Carlsbad
Silver, Lela	Albuquerque
Simmons, Mary	Albuquerque
Smith, Royale	Jourdanton, Texas
Spalding, Branch	Albuquerque
Stamm, Winifred	Albuquerque
Stuart, Raymond	Roswell
Thompson, William	Portales
Timboe, Guyfred	Albuquerque
Ullrich, Leon	Roswell
Vann, Richard	Albuquerque
Walsh, Laurence	Raton
Walsh, Thomas	Raton
Watson, Neil	Albuquerque
White, Mary Elizabeth	Albuquerque
Williams, Mrs. Mabel	Albuquerque
Wilson, Alice Ray	Roswell

COLLEGE OF EDUCATION

FRESHMEN

Antoine, Helen	Albuquerque
Aragon, Amadeo	Albuquerque
Brannin, Virginia	Albuquerque
Brickley, Ruth	Carrizozo
Carriere, Alice	Albuquerque
Carter, Elsie	Mountainair
Chacon, James	Albuquerque
Chacon, Lena	Albuquerque
Chappell, Minnie	Mountainair
Chavez, Crucita	Albuquerque
Coffey, Lucille	Albuquerque
Constant, Nadine	Santa Fe
Cook, Lelia	Fort Sumner
Cooper, Allie May	Albuquerque
Crist, Elmer	Springfield, Ohio
Crymes, Martha	Albuquerque
Duran, Lena	Albuquerque
Edmunds, Gwendolyn	Albuquerque
Finney, Sara	Albuquerque

DIRECTORY OF STUDENTS

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Hardin, Mrs. Mildred	Tularosa
Hayes, Emily	Albuquerque
Henson, Dorothy	Kenna
Herrera, Demetria	Albuquerque
Hill, Nell	Roswell
Jacquez, Rcsa	Blanco
Jameson, Mildred	Albuquerque
Jessen, Isabel	Albuquerque
Komadina, Mary	Dawson
Lamb, Olive Mae	Santa Fe
Leftwich, Virginia	Albuquerque
Lovelace, Maxine	Albuquerque
McCoy, Betty	Albuquerque
McDonald, Clarabell	Albuquerque
McKinley, Howard	Fort Defiance, Arizona
Maddison, LeRoy	Albuquerque
Mainz, Virginia	Albuquerque
Maloney, Mrs. Cecelia	Albuquerque
Marmon, Miriam	Laguna
Martinez, Andreita	Taos
Mewborne, Mary	Albuquerque
Meyer, Frances	Albuquerque
Mitchell, Elizabeth	Albuquerque
Moyer, Mary	Hanover
Mumford, Dorothy	Estancia
Nelson, Carl	Plain
Perce, Emmarie	Albuquerque
Quasser, Joe	Monrovia, California
Roberts, Ava	Old Albuquerque
Sandoval, Mabel	Albuquerque
Scott, Miss Charlie	Albuquerque
Scott, Ethel	Aztec
Shaffer, Wilma	Albuquerque
Sisney, Georgia	Tucumcari
Springer, Fabiola	Old Albuquerque
Suggs, Dorothy	Albuquerque
Terry, Faye	Estancia
Triplett, Baylor	Texico
Van Scoyk, Mildred	Stanley

SOPHOMORES

Alderson, Ruby	Albuquerque
Anderson, Mrs. Margaret	Albuquerque
Archibeck, Sadie	Albuquerque
Armijo, David	Albuquerque
Baca, Beatrice	San Marcial
Baca, Chonita	Albuquerque
Bailey, Revis	Farmington
Bedinger, Lillian	Portales
Bell, Bessie	Shreveport, Louisiana
Boyle, Alore	Albuquerque
Brewer, Mrs. Pauline	Albuquerque
Brooks, Lois	Albuquerque
Brown, Leona	Bellview
Bryant, Mrs. William	Albuquerque
Chavez, Joe	Albuquerque
Clayton, Marcella	Roswell
Coggin, Eloise	Nara Visa
Costales, Beatriz	Albuquerque
Cottrell, Dorothy	Albuquerque
Gallagher, Mattie Lou	Albuquerque
Goetz, Amalia	Hot Springs
Graham, Edna	Lovington
Greenwald, Magdalene	Socorro
Halbrooks, Helen	Anthony
Hardman, Lucille	Albuquerque
Heber, Helen	Albuquerque
Herndon, Creta	Portales
Herndon, Ro Jeane	Portales
Hilliard, Winifred	Albuquerque
Hoffman, Violet	Las Vegas
Hubbell, Mrs. Helen	Pajarito
Johns, Charles	Carlsbad
Johnson, Betty	Roswell
Jones, Mrs. Georgia	Albuquerque
Little, Roberta	Albuquerque
Loudon, Louise	Albuquerque
Lucero, Miss Tony	Albuquerque
Marron, Margaret	Albuquerque
Marshall, John L.	Albuquerque
Martinez, Joe	Logan
Michner, Leone	Albuquerque
Moore, Mildred	El Paso, Texas
Mossman, George	Albuquerque
Mullison, Mrs. Helen	Albuquerque
Noonen, Mary	Gallup

DIRECTORY OF STUDENTS

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Payne, Mildred	Willard
Penfield, Julia	Lincoln
Pollock, Mrs. Genevieve	Albuquerque
Porterfield, James C.	Gladstone

Quintana, Dora	Albuquerque
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Rice, Grace	Cubero
Roberts, Alda	Roswell
Rowe, Catherine	Albuquerque

Sargent, William Hall	Santa Fe
Scott, Mildred	Clovis
Sellers, Dorothy	Mountainair
Sherman, Louise	Albuquerque
Shoemaker, Lois	Santa Fe
Simpson, Glen	Albuquerque
Soell, Edna	Albuquerque
Stanfill, Frances	Tucumcari
Stewart, Mary	Albuquerque

Taylor, Ruth	Roy
Telles, Elias	Bent
Trigg, Ralph	Fort Sumner
Tully, Kivas	Glencoe

Urquhart, Donalda	Pasadena, California
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Walsh, Everett	Albuquerque
Watson, Mrs. Ruth	Albuquerque
Webb, Mrs. Vada	Albuquerque
White, Juliet	Albuquerque
Wiley, Lloyd	Albuquerque
Williams, Alice Ruth	Hope
Williams, Josephine	Carlsbad
Wingfield, Mary	Tularosa

JUNIORS

Alderete, Frances	Albuquerque
Anderson, Roy	Springer

Balling, Marie	Albuquerque
Balzer, Jake	Albuquerque
Bobo, Mrs. Irma Grow	Albuquerque
Bower, Mrs. Bertha Lee	Albuquerque

Charlton, Lillian	Albuquerque
Clarke, Vioalle	Albuquerque
Coe, Mrs. Louise	Glencoe
Cook, Margaret	Albuquerque
Crist, Robert	Springfield
Crymes, Elizabeth	Albuquerque
Cureton, Miles	Roswell

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Dees, Mrs. Margaret	Albuquerque
Eager, Edith	Tucumcari
Elliott, Bernice	Albuquerque
Fitzgerald, Ora	Albuquerque
Foster, H. Mannie	Los Angeles, California
Fraser, Mrs. Anne	Albuquerque
Fullerton, Mrs. Teresina	Magdalena
George, Margaret	Des Moines
Gonzales, Mrs. Jennie	Albuquerque
Gutierrez, Rudolph	Albuquerque
Gutierrez, Veneranda	Albuquerque
Houston, Violet	Albuquerque
Johnson, Bessie Lee	Albuquerque
Johnson, Harold E.	Albuquerque
Johnson, Victor O.	Albuquerque
Jones, Foy Leon	Floyd
Kennedy, Helen La Rue	Albuquerque
Kersey, Thelma	Artesia
Kiekhaefer, Elmer	Albuquerque
Kimbrough, Ina Evelyn	Albuquerque
King, Mary L.	Houston, Missouri
Moar, Hector	Albuquerque
Moyer, Elizabeth	Hanover
Parker, Ethel	Albuquerque
Poland, Bertha	Albuquerque
Roberson, Mrs. Kathleen	Batesville, Mississippi
Rose, Marie	Bellview
Sandoval, Joe	Albuquerque
Schmidt, Margaret	Albuquerque
Schroeder, Erna	Albuquerque
Shipp, Totsy	Lovington
Sifuentes, Fernando	Albuquerque
Simpson, Jack	Albuquerque
Sotherland, Mrs. Saloma	Albuquerque
Spillers, Lena	Albuquerque
Stirrat, May	Albuquerque
Stone, Gertrude	Albuquerque
Thorne, Agnes	Carlsbad
Waite, Elizabeth	Albuquerque
Walker, Bertha	Albuquerque
Webb, James	Roswell
Wells, Lorena	Old Albuquerque
White, Alice Frances	Albuquerque

Wiley, Genevieve	Albuquerque
Wiley, Thomas	Albuquerque
Willson, James	Gallup
Winsett, Olive	Mendota, Illinois
Wootton, Marguerite	Albuquerque

SENIORS

Andrews, Mrs. Flora	Albuquerque
Ayala, Anita	Albuquerque
Carter, Mrs. Diana	Albuquerque
Colvin, Mary Grace	Gibbsland, Louisiana
Daily, Dorothy	Albuquerque
DeGryse, William	Albuquerque
Delgado, Catherine	Belen
Erlandson, Ethel	Albuquerque
Good, Pete	Frankfort, Indiana
Goodart, Lela	Roswell
Greaves, Elizabeth	Portales
Green, Helen	Artesia
Harbison, Bertha	Albuquerque
Hendon, Telfair	Birmingham, Alabama
Henry, Harriett	Albuquerque
Jones, Floyd	Albuquerque
Joyce, Mrs. Sofia	Albuquerque
Judy, Virgil	Albuquerque
Keleher, Julia	Albuquerque
Kendrick, R. C.	Albuquerque
Lathrop, Ruth	Albuquerque
Lawson, Adeline	Alamogordo
Leak, Mrs. Louise	Albuquerque
Lewis, Mabel	Albuquerque
Low, Mrs. Lorena	Albuquerque
McFatter, Caroline	Canadian, Texas
McSpadden, Maxine	Albuquerque
Macleod, Mrs. Catherine	Albuquerque
Monahan, Tess	Albuquerque
Morrison, Mrs. Aimee	Albuquerque
Muller, Catherine	Elyria, Ohio
Newkirk, Mrs. Leila	Albuquerque
Nicholas, Catharine	Los Lunas
Quintana, Josefita	Albuquerque

Redwine, Mrs. Abby	Albuquerque
Risser, Anna	Albuquerque
Sanchez, Adelino	Tome
Sanchez, George I.	Albuquerque
Sanchez, Mrs. Virgie	Albuquerque
Schupp, Ona	Albuquerque
Sill, Thera	Albuquerque
Snyder, Hazel	Sapulpa, Oklahoma
Spillers, Eula	Albuquerque
Springstead, Mrs. Thelma	Crown Point
Stinnett, Rufus	Portales
Traylor, Lynda	Tucumcari
Tubbs, Rhoda	Candor, New York
Turner, Ada	Albuquerque
Turner, Virginia	Albuquerque
Umberhine, Ethel	Santa Fe
Van Doren, Hazel	Roswell
Walling, William	Albuquerque
Wiley, Marion	Albuquerque
Wilson, Mrs. Clara Leibold	Albuquerque

COLLEGE OF ENGINEERING FRESHMEN

Adams, Scott	Albuquerque
Bankston, Charles	Albuquerque
Barker, Harley	Springer
Black, Elmo	Albuquerque
Booth, James W. D.	Tucumcari
Brogan, Francis	Albuquerque
Brooks, Robert	Las Vegas
Bussard, Ellis Clyde	Huntersville, West Virginia
Chamberlin, Fred	Albuquerque
Cook, Arthur	Albuquerque
Coplin, Philip	Bay City, Michigan
Cunningham, John	Raton
Davis, Howard	Albuquerque
Davis, Reed	Albuquerque
Dieffenbach, Charles M.	Westfield, New York
Dixon, Durwood	Albuquerque
Doty, Charles Edward	Albuquerque
Dow, James R.	Lubbock, Texas
Earickson, Robert	Fort Sumner
Eaves, Johnny	Albuquerque
Foster, Henry	Carlstad
Frank, Claire	Albuquerque

DIRECTORY OF STUDENTS

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Gibbs, Meyler	Roy
Hall, John R.	Santa Fe
Hanlon, Lawrence	Willard
Hinde, Thomas	Taos
Hulburt, Robert	Monrovia, California
Israel, Stanley	Farmington
Johnson, Alfrey	Roswell
Keller, Harold	Albuquerque
Kennedy, George	Gallup
Kuhns, Richard	Gamercio
Lamar, Weldon	Albuquerque
Loony, Currie	Tucumcari
McCoy, John	Frankfort, Indiana
McCullough, Norman	Clovis
McPherson, Sam	Albuquerque
Madera, Fred	Carlsbad
Marcus, Herman	Albuquerque
Mattingly, Enriquez	Lucy
Mayes, Chester	Clovis
Moorhead, William	Dawson
Munn, Hugh	Albuquerque
Nelson, Harry	Monrovia, California
Perkins, Richard	Beaver Falls, Pennsylvania
Plese, John	Gallup
Posey, Rollah Pinkie	Tularosa
Potts, Richard	Beaver Falls, Pennsylvania
Roberts, Carl	Albuquerque
Shaver, Paul Mack	Carrizozo
Shelton, Orville	Capulin
Shoup, George	Albuquerque
Simpson, Willard	Fort Worth, Texas
Tadeo, Demetrio	Narvacan, Philippines
Van Hooser, William	Gamercio
Victor, Frank	Albuquerque
Waite, John	Albuquerque
Walton, Jean	Clovis
Waxler, James	Albuquerque
Wilkins, Donald	Roswell
Wilson, Caldwell	Albuquerque
Wylie, Claude	Allison
Zirhut, Martin	Albuquerque

SOPHOMORES

Armstrong, Archie	Rochester, Minnesota
Barela, Eugene	Albuquerque
Benham, James	Cleveland, Ohio
Blank, William	Albuquerque
Brown, Robert	Farmington
Dunaway, Paul	Bellefontaine, Ohio
Fish, Stanley	Estancia
Foley, Neil	Santa Fe
Fox, Vernon	Albuquerque
Francis, Ancel	Clovis
Griswold, Gilbert	Albuquerque
Henderson, Roy	Tularosa
Lipp, Maurice	Roswell
Mendenhall, Henry	Albuquerque
Moyes, Cecil	Union Star, Missouri
Mulroy, Harry	Roswell
Officer, John	Raton
Officer, Robert	Raton
Patty, Frank	Weslaco, Texas
Perce, Marion	Albuquerque
Perkinson, William	Encino
Pilcher, John	Albuquerque
Redmond, James	Albuquerque
Root, Lindsay	Albuquerque
Spahr, Richard	Albuquerque
Stamm, Allen	Albuquerque
Stockton, J. Earl	Amarillo, Texas
Torres, Sinesio	Albuquerque
Toulouse, Donald	Albuquerque
Trimble, Laurence	Albuquerque
True, Austin	Tolar
Vidal, Charles	Gallup
Wheatley, John	Mount Dora
Wheatley, William	Mount Dora
Wilson, Wilbur	Albuquerque
Wood, Harold	Gallup
Yates, Thurman	Gallup

JUNIORS

Bangerter, Harry	Clayton
Carter, Rufus	Albuquerque
Colvin, Joe	Gibbsland, Louisiana
Controulis, Theodore	Evanston, Illinois
Harris, Robert	Albuquerque
Huffine, William B.	Raton
Luthey, Forrest N.	Albuquerque
McCraw, James	Albuquerque
Murphy, Kenneth	Albuquerque
Pelatowski, Stanley	Albuquerque
Sadler, James	Albuquerque
Seery, James	Belen
Thomas, Paul I.	Albuquerque
Wylie, Lenuel	Allison

SENIORS

Abbott, W. I.	Albuquerque
Allen, Carl	Albuquerque
Anderson, Grant	Albuquerque
Barrows, Wilbur	Albuquerque
Carden, Leo	Albuquerque
Cline, Jack	Albuquerque
French, B. Miller	Carrizozo
Henderson, Carl	Carlsbad
Jenkins, Robert	Albuquerque
Kelley, Bond Taylor	Roswell
Mitchell, David	Albuquerque
Mudgett, William	Albuquerque
Neal, Frank	Albuquerque
Palmer, Robert	Alamogordo
Phillips, Homer	Albuquerque
Smith, William Bernice	Albuquerque
Sterrett, John	Albuquerque
Stortz, Frank A. Jr.,	Albuquerque
Uhl, Dean	Farmington

THE GRADUATE SCHOOL

Adams, Forrest	Taos
Black, Gladys	Albuquerque
Brewer, Lyman	Albuquerque
Bruno, Mary	West Mineral, Kansas
Bullock, Eleanor	Colorado Springs, Colorado
Campa, Arthur L.	Albuquerque
Campa, David L.	Albuquerque
Chadbourn, Mrs. Elizabeth	Albuquerque
Chant, Mrs. Elsie Ruth	Albuquerque
Coffey, L. C.	Albuquerque
Cook, Mrs. Hazel	Albuquerque
Cook, Sarah Louise	Albuquerque
Dargan, Mrs. Lena	Albuquerque
Dixon, Newell	Albuquerque
Dolde, Walter	Albuquerque
Dutton, Marion	Albuquerque
Earl, J. Edwin	Albuquerque
Eells, Letitia	Albuquerque
Eilers, Harrison	Albuquerque
Enderlin, Katherine	Albuquerque
Enloe, Enoch	Albuquerque
Fisher, Reginald	Albuquerque
Flynn, William	Albuquerque
Galloway, Harrison	Albuquerque
Goddard, Sara	Albuquerque
Harper, Mrs. Blanche	Jemez
Harrington, Eldred	Albuquerque
Hart, Maude	Albuquerque
Hernandez, Louis	Albuquerque
Herron, Jane	Albuquerque
Heyer, Mrs. Pansy	Albuquerque
Higley, Agnes	Albuquerque
Hough, Vera	Janesville, Wisconsin
Hubbell, Louise M.	Pajarito
Jarrett, Elizabeth	Albuquerque
Johnston, Dorothy	Augusta, Kansas
Kim, Oliver	Shinampo, Korea
Kuntz, Margaret	Lehighton, Pennsylvania
Leeper, Ruth	Albuquerque
Lewis, Ivah M.	Albuquerque
Linthicum, J. B.	Albuquerque
Low, Frank	Albuquerque

McFarland, Jack	Albuquerque
McGowan, Gertrude	Albuquerque
McKaye, Mrs. Vara	Albuquerque
McManus, Virginia	Albuquerque
Marshall, Mrs. Faye	Albuquerque
Martin, Walter H.	Albuquerque
Mauger, Harry	Albuquerque
Morehead, Henry	Albuquerque
Mulroney, Jane	Albuquerque
O'Connell, Margaret	Fort Dodge, Iowa
Olson, Mabel	Albuquerque
Page, Mrs. Dorothy	Albuquerque
Pyburn, J. W.	Albuquerque
Quintana, Irene	Santa Fe
Reardon, William	Albuquerque
Rees, May	Albuquerque
Sanders, Mrs. Ruth	Albuquerque
Sharp, Mrs. Maywood	Albuquerque
Shepard, Anna O.	Santa Fe
Shortle, Margaret	Albuquerque
Sininger, Harlan	Albuquerque
Smysor, Mrs. Mabel	Albuquerque
Spalding, Mrs. Mary	Albuquerque
Stroh, Zelfa	Wagner, South Dakota
Sturgeon, Kate	Albuquerque
Tolbert, Ruth Ann	Albuquerque
Watt, Bessie	Albuquerque
Weil, Mrs. Ellen	Albuquerque
Weisenbach, Estelle	Albuquerque
Welker, Mayme	Albuquerque

SPECIAL AND UNCLASSIFIED STUDENTS

Agnew, Samuel	Washington, D. C.
Allen, Cora	Albuquerque
Allen, Mrs. Monica	Albuquerque
Andrew, Warren	Albuquerque
Archuleta, Henry	Albuquerque
Arledge, Mrs. Ellen	Albuquerque
Baca, Gertrude	Albuquerque
Baca, Manuel	Tome,
Barnes, W. L.	Albuquerque
Bates, Lillon	Oklahoma City, Oklahoma
Bewley, Mary	Morristown, Tennessee
Blount, Mrs. O. T.	Albuquerque

Bright, Philip	Los Lunas
Brown, Mrs. Lola	Albuquerque
Burke, Irene M.	Albuquerque
Cardon, Louis	Albuquerque
Carlton, E. V.	Albuquerque
Carter, Catherine	Albuquerque
Castetter, Mrs. Ellen	Albuquerque
Cimino, Ralph	Albuquerque
Clark, Chester	Albuquerque
Clark, Juanita	Boulder, Colorado
Close, Marguerite	Independence, Iowa
Downer, Mrs. Cassilda	Albuquerque
Ebert, Harvey K.	Detroit, Michigan
Elliott, Sidney	Albuquerque
Ellis, Mrs. Helen	Albuquerque
Embry, James	Albuquerque
Finn, Jennie Brook	Albuquerque
Finnell, Jean	Southgate, California
Foster, Emory	Albuquerque
Fricke, Derothea	Albuquerque
Gardner, Mrs. Ida B.	Albuquerque
Gonzales, Adolfo	Albuquerque
Gonzales, Mrs. Inez	Albuquerque
Goodwill, A. P.	Albuquerque
Goodwill, Mrs. Winnie	Albuquerque
Gotshall, Anna	Albuquerque
Graham, Clyde	Albuquerque
Graham, Nelle	Albuquerque
Harwood, Thelma	Albuquerque
Haskell, Herman	Albuquerque
Hayes, Loys	Albuquerque
Henry, Edgar	Albuquerque
Herrera, Timmy	Albuquerque
Hey, Irene	Kansas City, Missouri
Hill, Clyde	Albuquerque
Hill, Mrs. Ralph	Albuquerque
Hitchens, Lester	Albuquerque
Hollis, Carl	Venice, California
Holmes, Mrs. Rhoda	Albuquerque
Huffman, Howard	Monrovia, California
Jensen, Westie	Albuquerque
Johnson, Eric	Albuquerque
Johnson, Hugh	Tapicitoes
Jones, Georgia	Albuquerque
Jones, Mrs. Irene	Albuquerque
Kavanaugh, Walter	Albuquerque
Keleher, Grace	Albuquerque
Kerr, Nannie	Albuquerque

Lacy, Lola	Albuquerque
Levagood, Edith	Albuquerque
Lewinson, Leo	Albuquerque
Lewinson, Mrs. Lillian	Albuquerque
Livingston, Howard	Albuquerque
Lorentino, Mrs. Blanche	Albuquerque
McCrea, Luda	Albuquerque
McDonnell, Sister Anastasia	Albuquerque
McDowell, Alliene	Albuquerque
MacPherson, Daniel	Albuquerque
Mayfield, Marguerite	Albuquerque
Mearns, Evelyn	Albuquerque
Melbourne, Mrs. Ernestine	Albuquerque
Miller, Ada	Albuquerque
Minnis, Myrtle	Albuquerque
Montgomery, Eugene	Albuquerque
Montgomery, Paul	Albuquerque
Moseley, Margaret	Albuquerque
Murdock, Eddie	Albuquerque
Mutz, John	Elizabethtown
Nagy, Anne Rita	Albuquerque
Neel, Wilbur	Stout, Ohio
Neuffer, Mrs. Virginia	Albuquerque
Nutty, George	Albuquerque
Oglesby, Richard	Albuquerque
Padilla, Angelina	Albuquerque
Peih, H. A.	Albuquerque
Perea, Mrs. Josephine	Albuquerque
Prescott, H. George	Albuquerque
Pryor, Mrs. Mary	Albuquerque
Reich, Paul	Carlsbad
Reid, Iola	Albuquerque
Reiter, Mrs. Anna	Santa Fe
Retick, Mrs. Lulu	Albuquerque
Reynolds, J. F.	Albuquerque
Ringling, Mrs. Edith	Albuquerque
Rodey, Mrs. Dorothy	Albuquerque
Romero, N. C.	Belen
Rossiter, Mary	Albuquerque
Salazar, Annie	Albuquerque
Sanchez, Beatrice	Albuquerque
Sanchez, Emilia	Albuquerque
Sandefur, Fred	Raton
Sandoval, Mrs. Candelaria	Albuquerque
Schmidt, Caroline	Albuquerque
Scudder, Stanley	Albuquerque

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Sewell, Brice H.	Albuquerque
Sewell, Mrs. Nelda	Albuquerque
Shacklette, Bennett	Albuquerque
Shanks, Lillian	Centerville, Iowa
Springer, Mrs. Frances	Albuquerque
Staley, Rachel	Albuquerque
Stine, Mrs. Nellie	Albuquerque
Strumquist, Niles	Albuquerque
Swanberg, Gustav	Trelleborg, Sweden
Swartz, Mrs. Susan	Los Lunas

Temple, Monte	Monrovia, California
Thompson, Winifred	Albuquerque

Walker, John	Chandler, Arizona
Walls, Mrs. Anna	Albuquerque
Walsh, Martin	Chicago, Illinois
Weil, Gustave	Albuquerque
White, Jessie	Albuquerque
Whittemore, Lorna	East Lansing, Michigan
Wicker, Mrs. C. V.	Albuquerque
Wilson, Mrs. Bertha	Albuquerque
Wood, Mrs. Teresa	Albuquerque
Woodward, Hugh	Albuquerque
Woodward, Mrs. H. B.	Albuquerque
Wooten, Mrs. W. G.	Albuquerque
Wortman, Mrs. Katie	Albuquerque

EXTENSION DIVISION

CORRESPONDENCE COURSES

Abousleman, Josephine	Sandoval
Albritton, Mrs. Alva	Carlsbad
Alderete, Frances	Albuquerque
Allison, F. B.	Tohatchi
Allison, Phoebe	Tohatchi
Andrews, Frances	Santa Fe
Archer, Gladys M.	Tucumcari
Arozena, Rosa T.	Bernalillo

Baca, Ruth M.	Turn
Benedict, Brother Adrian	Bernalillo
Benildus, Brother	Santa Fe
Bostick, Walter E.	Jerome, Arizona
Bott, Merton	Albuquerque
Brown, Ella	Artesia
Brunnell, Herbert H.	Alamogordo
Butler, Bertha	Corona

DIRECTORY OF STUDENTS

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Cagle, Mrs. Nannie	Bluewater
Cantelou, Jeane	Santa Fe
Chavez, Sarah	Tijeras
Choate, Gladys	Carlsbad
Clarke, Sister Mary Irma	Pecos
Cook, Robert F.	Albuquerque
Cox, James O., Jr.	Carlsbad
Cox, Lynden	Carlsbad
Cully, Helen G.	Santa Fe
Dean, Velma	Albuquerque
DeHart, Mrs. Lula S.	Aztec
Edie, Mrs. Lucy N.	Los Angeles, California
Eldridge, Harriet B.	Gallup
Ellington, Leslye H.	Avis
Ellington, Theodore	Boaz
Felton, Edith M.	Fort Wingate
Forsyth, Mrs. Ruth H.	Gamero
Foster, Vera	Cedarvale
Frazer, Julia	Dawson
Fyke, Wren	Weatherford, Texas
Gallegos, Lenore	Socorro
Garcia, Boleslo	Socorro
Gassman, Sarah D.	Stanley
Geralda, Sister M.	Pecos
Gibson, Blanche	York, Nebraska
Goodner, Veva	Chama
Greaves, Elizabeth	Portales
Gutierrez, Veneranda E.	Albuquerque
Hager, Mrs. N. Irene	Crown Point
Henderson, Mary	Santa Fe
Henry, Harriett P.	Albuquerque
Hertzmark, Marcia	Denver, Colorado
Hickman, Florence	Albuquerque
Horton, Mrs. Alma	Albuquerque
Johnson, Bessie Lee	Albuquerque
Johnson, Harold	Santa Rita
Landavazo, Fred	Atarque
Lostutter, Melvin	Columbus, Indiana
Lucero, Tony	Albuquerque
McCarthy, Gladys	Albuquerque
McDowell, Katherine	Clarkdale, Arizona
McKaye, Vara	Albuquerque
McMillen, Wilma Lee	Sandoval
Meikle, Leola I.	Dawson
Meissen, Sister M. Emma	Gallup

Memmelaar, Jeane	Zuni
Merriam, Chauncey L.	Fort Wingate
Meyers, George L.	Zuni
Meyers, Mrs. Sallie Key	Zuni
Morley, Virginia	Santa Fe
Morrison, Homer L.	Albuquerque
Mossler, Lola	Fort Wingate
Mulroy, Mrs. Inga	Roswell
Pearson, Ruth	Socorro
Pfeifer, William H.	Pena Blanca
Purcell, Sister M. Roberta	Pecos
Pyle, S. D.	Farmington
Ray, Alice North	Albuquerque
Rector, Margaret	Tucumcari
Redwine, Mrs. Abby	Albuquerque
Reid, Tom	Albuquerque
Richmond, Earl	Kansas City, Missouri
Roberts, Sam T.	Aztec
Robeson, Genevieve	College View, Nebraska
Rowley, Mattie Lucile	Portales
Sanchez, Barbara	Albuquerque
Sanchez, George	Albuquerque
Sanchez, Virgie	Albuquerque
Scheele, Helene	Grants
Sharp, Jeffie	Albuquerque
Shortle, Margaret	Albuquerque
Smith, Mrs. Elizabeth	Santa Fe
Smith, Margaret	Glorieta
Taggart, Mrs. Laura E.	Crown Point
Tedford, Virginia	Albuquerque
Thomas, Mrs. Lettie C.	Fort Wingate
Tinkham, Margaret M.	Fillmore, California
Verner, Mrs. Arvilla T.	Acomita
Walls, Anna G.	Albuquerque
Ward, Mrs. Zenas	Cimarron
Wiley, Thomas	Albuquerque
Winn, S. H.	Jal
Wood, Ida O.	Albuquerque
Woolman, Mrs. Esther	Albuquerque

NON-RESIDENT CLASSES

Adrian, Brother Benedict	Santa Fe
Aloys, Sister Francis	Santa Fe
Augustine, Brother	Bernalillo
Baca, Rumaldita	Socorro
Baca, Santiago	Socorro

DIRECTORY OF STUDENTS

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Benedict, Brother Adrian	Bernalillo
Berchmans, Brother Abel	Santa Fe
Benildus, Brother	Bernalillo
Benjamin, Brother	Santa Fe
Bernard, Brother Edward	Santa Fe
Brady, Sister Mary Hugh	Bernalillo
Brunell, H. P.	Estancia
Camillus, Brendan	Santa Fe
Castillo, Pedro	Lemitar
Chavez, Adolfo	Lemitar
Chavez, E. M.	Socorro
Chavez, Luz	Lemitar
Crespin, Jose C.	Socorro
Crider, Richard A.	Estancia
Debard, Brother Jean Claude	Bernalillo
Dodds, Mabel L.	Estancia
Elvira, Sister Mary	Santa Fe
Fedelis, Brother	Bernalillo
Fidelis, Brother Barnaby	Santa Fe
Frances, Sister J.	Bernalillo
Francis, Brother Nil	Santa Fe
Gallegos, Benceslao	Lemitar
Gallegos, Lenore	Socorro
Garcia, Boleslo	Socorro
Giron, Remigio	Polvadera
Griffith, Mrs. Ruby	Socorro
Haddock, Mrs. Pearl	Socorro
Hamilton, Myrtle M.	Estancia
Hinman, Mrs. Esperance	Estancia
Jaramillo, Filbert	Socorro
Johnson, Mina Lee	Socorro
Joseph, Brother August	Santa Fe
Joseph, Brother Bertrand	Bernalillo
Knapp, Sister Mary Emerance	Bernalillo
Laws, Minnie	Estancia
Lewis, Brother Berchmans	Santa Fe
Lopez, Andres	Socorro
Lopez, Mary	Socorro
Manker, Mrs. Marien	Estancia
Manker, Theodore O.	Estancia
Meadows, Anna	Estancia
Mejean, Brother Basil	Bernalillo
Moore, Mrs. Hazel D.	Estancia
Morrow, Mrs. Mary	Socorro

Peralta, E. C.	Socorro
Peter, Aloysius	Santa Fe
Roybal, Brother Aloysius	Bernalillo
Roybal, Brother Fidelis	Bernalillo
Sanchez, Florinda	Polvadera
Sanchez Sister M. Rosalita	Bernalillo
Serindat, Brother Jean	Santa Fe
Sewell, Verias H.	Estancia
Stapleton, Ernest S.	Socorro
Torres, Edward	Socorro
Torres, Mary	Socorro
Vigil, Aurora	Socorro
Vigil, Bernardo	San Acacia
Vigil, Dolo	Polvadeara
Vigil, Irene	Socorro
Wasson, Drayton E.	Estancia
Woodall, Etna McH.	Estancia

SUMMER SESSION, 1929

Abbott, W. Irving	Albuquerque
Adams, Mrs. Fay	Albuquerque
Adams, Forrest J.	Blue Rapids, Kansas
Alarid, Belle	Santa Fe
Albritton, Mrs. Alva M.	Carlsbad
Alderete, Frances	Albuquerque
Alderson, Esther May	Albuquerque
Alderson, Jessie L.	Albuquerque
Alderson, Ruby	Albuquerque
Alfaro, Estella	Antonito, Colorado
Allen, Mrs. Audrey Bell	Santa Fe
Anderson, Laura L.	Albuquerque
Anderson, Mrs. Margaret S.	Albuquerque
Andrews, Mrs. Flora	Albuquerque
Ankeny, Charley L.	Oakes, North Dakota
Aragon, Mrs. Cleotilde S.	Albuquerque
Archer, Mary Lee	Santa Rita
Archibeck, Lena C.	Albuquerque
Archibeck, Sadie E.	Albuquerque
Archuleta, Henry	Albuquerque
Arellano, Eloisa	Costilla
Asselin, Mrs. Jane W.	Flagstaff, Arizona
Atencio, L. Elias	Dixon
Ayala, Anita	Albuquerque
Azure, Josephine	Rice, Arizona
Baca, Beatrice	Albuquerque
Baca, Chonita	Armijo
Baca, Isabelle	Santa Rosa

DIRECTORY OF STUDENTS

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Baca, Josefita	Socorro
Baca, Manuel A.	Tome
Baca, Ruth Mirabal	Albuquerque
Baker, Mary	Crown Point
Baker, Mary Virginia	Santa Fe
Baldwin, Mrs. Mary L.	Las Cruces
Bankston, Albert	Albuquerque
Barela, Emma S.	Encino
Barnhart, Mrs. Clara T.	Albuquerque
Barnhart, Mildred	Albuquerque
Barnhouse, Mary	Oklahoma City, Oklahoma
Barreras, Eraclia	Albuquerque
Beals, Carolyn	Santa Rita
Beatty, Frances	Aztec
Bentley, Cecile	Albuquerque
Bentley, L. Estelle	Huntsville, Missouri
Beyle, Leona E.	Albuquerque
Bobo, Mrs. Irma G.	Albuquerque
Bowers, Dell	Albuquerque
Bowers, Nell	Albuquerque
Box, Marjorie E.	Bayfield, Colorado
Boyle, Alore	Albuquerque
Brannin, Virginia	Albuquerque
Bratton, Emma Lee	Albuquerque
Brewer, Mrs. Pauline	Albuquerque
Brooks, Audrey Lois	Albuquerque
Brown, Blanche Hicks	Acoma
Brown, Mrs. Cora R.	Albuquerque
Brown, Miriam Rose	Albuquerque
Bruce, Richard A.	Vaughn
Bryson, Jessie E.	Cornland, Illinois
Buehring, Ruth Ida	Albuquerque
Burch, Inis	Magdalena
Burdell, Frances	Albuquerque
Burton, Elinor Tinsley	Albuquerque
Bustamante, Rose	Albuquerque
Butler, Bertha	Corona
C. de Baca, M. Nathaniel	Peralta
Calloway, Zella M.	Aztec
Campa, Arthur L.	Albuquerque
Campa, David L.	Albuquerque
Candelaria, Emilia	Albuquerque
Caplis, Jack	Elm Grove, Louisiana
Carter, Mrs. Diana B.	Albuquerque
Castetter, Mrs. Ellen W.	Albuquerque
Castillo, Aurora	Belen
Castillo, Florela	Belen
Chadbourn, Mrs. Elizabeth	Albuquerque
Chase, Helen	Lordsburg
Chavez, Joe A.	Albuquerque
Chavez, Mary Anne	Old Albuquerque
Chavez, Sarah M.	Albuquerque
Clarke, Vioalle I.	Albuquerque

Clawson, Leslie	Ramah
Clayton, Mary Grace	Albuquerque
Coe, Curtis C.	Albuquerque
Collins, Kittye Pearl	Albany, Georgia
Conlee, Carl S.	Cimarron
Cook, Gay	Santa Fe
Cook, Mrs. Hazel C.	Albuquerque
Cook, Robert F.	College View, Nebraska
Cooper, Barnet David	Brooklyn, New York
Cordova, Mrs. Leonore C.	Belen
Costales, Beatrice	Albuquerque
Costales, Edelmira	Albuquerque
Coury, Emma	Duran
Cox, Louise	Albuquerque
Cox, Myrtle	Hope
Cummins, Winifred	Santa Rita
Daley, S. R.	Grants
Daniell, Lottie Belle	Lindrith
Dean, Velma	Albuquerque
Delgado, Catherine M.	Belen
Delgado, Mrs. Gertrude L.	Belen
De Witt, Edith	Albuquerque
Dixon, Newell	Albuquerque
Dunlap, E. T.	Melrose
Dunlap, Mrs. E. T.	Melrose
Duran, Gilbert E.	Albuquerque
Duran, Lena A.	Albuquerque
Earl, John Edwin	Albuquerque
Easterday, Floyd G.	Seligman, Arizona
Elder, Ned K.	Albuquerque
Eller, Barbara	Albuquerque
Elliott, Bernice	Albuquerque
Embry, James	Albuquerque
Erlandson, Ethel E.	Albuquerque
Espinosa, Vincenta	Abiquiu
Esquibel, Alfonso	Santa Fe
Ezzell, Edna Maxine	Springfield, Missouri
Fee, Catharine	Albuquerque
Ferree, Cyrena	Albuquerque
Foraker, Margaret	Albuquerque
Foster, Katherine	Kansas City, Missouri
Foster, Vera	Cedarvale
Freed, Ethel	Albuquerque
Friend, Mrs. Minnie B.	Tapicitoes
Frye, Neva F.	Albuquerque
Fulton, Eleanor	Albuquerque
Fulton, Hugh K.	Washington, D. C.
Gallegos, Lenore	Socorro
Garcia, Cecilia	Old Albuquerque
Garcia, Lucy	Old Albuquerque

Garcia, Virginia	Albuquerque
Garrison, Georgia Long	Oakland, California
Garrison, Virginia Ellis	Oakland, California
Gassman, Sarah	Albuquerque
Giesler, Rosamond	Albuquerque
Gill, John L., Jr.	Belen
Gilliam, Cora G.	Yates
Gills, Lora	Cousins
Glasgow, James P.	Mayfield, Kentucky
Glover, Mrs. Alice M.	Albuquerque
Gonzales, Adolfo C.	Albuquerque
Gonzales, Anita	Santa Fe
Gonzales, Hilario C.	Albuquerque
Gonzales, Ramon	Tome
Gower, Charlie W.	Elida
Graham, Mary Louise	Lovington
Grammer, Mrs. Maurine P.	Albuquerque
Granito, Antoinette	Cerrillos
Griffith, Mrs. Ruby B.	Socorro
Guthrie, Noble O.	San Felipe
Guthrie, Mrs. Willie B.	San Felipe
Gutierrez, Isadora	Gallup
Gutierrez, Veneranda E.	Albuquerque
Haddock, Christeene	Socorro
Hager, Mrs. Nancy I.	Crown Point
Hamilton, Mrs. Alva R.	Kansas City, Missouri
Harrison, Mrs. Mionette	Tucumcari
Harvey, Belle	Fort Sumner
Haskell, Herman A.	Albuquerque
Heber, Helen	Albuquerque
Helm, Elizabeth	Santa Fe
Henley, Enid D.	Reserve
Henry, Emma	Albuquerque
Henry, Harriett P.	Albuquerque
Henry, Helen A.	Fort Sumner
Hentz, Elizabeth	Albuquerque
Herby, Dora	Albuquerque
Herby, Vera	Albuquerque
Herrera, Demetria	Albuquerque
Herring, Louis B.	Albuquerque
Hill, Lelon A.	Albuquerque
Hill, Ola Mae	Cortez, Colorado
Hill, Roy V.	Kansas City, Missouri
Hillebrand, Phillip E.	Albuquerque
Hilliard, Winifred	Albuquerque
Hinman, Mrs. Esperance	Estancia
Hix, Mrs. Dorothy H.	Albuquerque
Hogins, Estelle	Albuquerque
Hogrefe, Harry L.	Albuquerque
Holland, Mrs. Marie	Santa Fe
Horine, Mary Katherine	Clovis
Houston, Madeline	Albuquerque

Hoyler, Joseph D.	Albuquerque
Hubbell, Louise M.	Pajarito
Humphrey, Mrs. Anne W.	Lincoln, Missouri
Imhoff, Birda	Corona
Israel, Mrs. Olive E.	Cloudercroft
Israel, T. C.	Cloudercroft
Jackson, Rubye Mae	Keo, Arkansas
Jameson, Roy L.	Clovis
Jameson, Virginia	Estancia
Jaquez, Sencion	Blanco
Jaramillo, Isidro	Belen
Jaramillo, Prospero	Albuquerque
Jarrett, Elizabeth M.	Albuquerque
Jensen, Carl R.	Santa Fe
Johnson, Bessie Lee	Albuquerque
Johnson, Harold E.	Albuquerque
Johnson, Trixie	Albuquerque
Jones, Dale M.	Albuquerque
Judy, Mrs. Rebecca Fee	Albuquerque
Kelley, Mrs. Katherine	Cerrillos
Kendrick, Robert C.	Albuquerque
Kennedy, Helen La Rue	Albuquerque
Kerr, Nannie	Albuquerque
Killough, Mrs. Laura C.	Belen
Kim, Oliver C.	Korea
Kimbrough, Ina Evelyn	Albuquerque
King, Nina R.	Hagan
Kirk, Thelma	Crown Point
Koch, Clinton H. S.	Clayton
Ladner, Mrs. Adeline	Albuquerque
Lamb, Marie	Albuquerque
Landavazo, Fred	Atarque
Lawrence, Bessie	Albuquerque
Lawrence, Stella	Albuquerque
Leak, Mrs. Louise B.	Albuquerque
Lee, Philip F.	Mount Vernon, Ohio
Leeper, Ruth	Albuquerque
Leftwich, Virginia	Albuquerque
Lewis, Mabel	Albuquerque
Little, Karolyn Roberta	Albuquerque
Lock, Mrs. Helen E.	Albuquerque
Loudon, Louise	Albuquerque
Love, David Buer	Mountainair
Lucero, Augustine R.	San Acacia
Lucero, Beulah	Albuquerque
Lucero, Tony	Albuquerque
Lujan, Felicitas	Albuquerque
Luthey, Forrest	Albuquerque
Lybarger, Mrs. Edna L.	Albuquerque
Lynch, Mrs. Esther F.	Santa Fe
Lyrley, Mrs. Linnet T.	Albuquerque

McCarthy, Gladys	Albuquerque
McClanahan, Bess	Tulsa, Oklahoma
McClure, Minnie M.	Tucumcari
McCoy, Dorothy	Albuquerque
McCracken, Glen F.	Santa Cruz
McDonald, Mabel	Albuquerque
McDonald, Mrs. Mary	Bernalillo
McDowell, Helen	Albuquerque
McFatter, Caroline	Canadian, Texas
McGee, Lucille	Aztec
McGinley, Mrs. May H.	Gibson
McGrath, Merle Irene	Belen
McKaye, Mrs. Vara L.	Albuquerque
McKinley, Ruby L.	Mountainair
McMichael, Mary E.	Aztec
McMillen, Wilma Lee	Sandoval
McMurray, Mrs. Jessica	Mentor, Ohio
McSpadden, Maxine	Albuquerque
Madrid, Narcizo C.	Duran
Mainz, Virginia	Albuquerque
Malone, Larry M.	Albuquerque
Maloney, Mrs. Cecelia	Albuquerque
Maloney, Mrs. Dora	Albuquerque
Manire, L. Z.	Tatum
Manker, Mrs. Marien M.	Estancia
Mann, Mrs. Lucy	Albuquerque
Marmon, Miriam A.	Laguna
Marmon, Mrs. Walter K.	Laguna
Marquez, Libradita	Albuquerque
Marshall, John L.	Albuquerque
Martin, Lillian	Albuquerque
Martin, Walter H.	Albuquerque
Martinez, M. Alfredo	Chimayo
Mathews, James E.	Albuquerque
Mayfield, Marguerite E.	Albuquerque
Meador, Bessie Merle	Hagerman
Meadows, Anna	Estancia
Melaas, Hazel	Albuquerque
Memmelaar, Jeane	Oskaloosa, Iowa
Meyer, Frances Elizabeth	Albuquerque
Meyers, George L.	Zuni
Meyers, Mrs. Sallie K.	Zuni
Mier, Lala	Albuquerque
Miller, James Arlie	Albuquerque
Mitchell, Elizabeth	Albuquerque
Moffitt, Flora	Thoreau
Monahan, Tess	Albuquerque
Monson, Richard Francis	Albuquerque
Moore, Rosebud	Albuquerque
Moore, Mrs. Violet C.	Albuquerque
Morehead, Henry C.	Albuquerque

Morris, Grace G.	Salem, Indiana
Morrison, Mrs. Aimee L.	Albuquerque
Morrison, George	Loving
Morrison, Homer L.	Albuquerque
Mossman, George	Albuquerque
Mudgett, Zadah L.	Albuquerque
Mulroney, Jane	Albuquerque
Mulroney, Mrs. Pearl K.	Albuquerque
Mulroy, Harry C.	Roswell
Nannah, Blossom	Albuquerque
Napoleon, Josephine	Albuquerque
Naranjo, Tonita	Espanola
Nielson, Mrs. Deborah A.	Bluewater
Nohl, Frederick	Albuquerque
Nowlin, Ada J.	Roy
Nutty, George	Albuquerque
O'Donnell, Walter James	Austin, Texas
Olson, Alice M.	Albuquerque
Olson, Eleanore	Albuquerque
Olson, Mabel E.	Albuquerque
Otero, Leo E.	Peralta
Otero, Teresa A.	Albuquerque
Pacheco, Mrs. Flora Chavez	Albuquerque
Padilla, Angelina	Albuquerque
Palmer, Paul A.	Bebee, West Virginia
Palmer, Robert P.	Bebee, West Virginia
Panzlau, Leona H.	Albuquerque
Parker, Helen W.	Houston, Missouri
Patterson, Mrs. Nannine W.	New York, New York
Paxton, Mrs. Ruth Bursum	Socorro
Perea, Demecio	Torreón
Perea, Mrs. Josephine C.	Old Albuquerque
Perry, Reuben	Albuquerque
Peverley, Barbara	Belen
Phelps, Helen Mae	Albuquerque
Phelps, Vera	Albuquerque
Phillips, Mary L.	Las Cruces
Pomerenk, Dorothy	Albuquerque
Popejoy, Tom L.	Albuquerque
Prescott, H. George	Albuquerque
Puccetti, Leo	Albuquerque
Quintana, Dora	Albuquerque
Quintana, Irene	Santa Fe
Rathbun, Mrs. Minnie	Santa Fe
Rael, Mrs. Albinita P.	Albuquerque
Rawles, Charles S.	Santa Fe
Redwine, Mrs. Abby H.	Albuquerque
Reichard, Mrs. Daisy E.	Albuquerque
Reichard, Frank P.	Albuquerque

Reid, Tom	Albuquerque
Reiland, Anna C.	Fairacres
Reiter, Mrs. Anna C.	Santa Fe
Retick, Mrs. Lulu	Albuquerque
Rice, Grace	Albuquerque
Ring, Anna Jane	Chamita
Roberts, Ava Amelia	Old Albuquerque
Robertson, Gentry E.	Weed
Rockwell, Mabel	Jemez
Rodriguez, Natalia	Albuquerque
Rogers, Burton A.	Melrose
Rogers, Mrs. B. A.	Melrose
Romero, Andres R.	Valencia
Romero, Eloisa	Peralta
Russell, Mrs. Georgia W.	Thoreau
Salazar, Annie	Albuquerque
Salazar, M. M.	Tome
Salome, Eva	Magdalena
Sanchez, Adelino	Tome
Sanchez, Mrs. Alfonso H.	Albuquerque
Sanchez, Anna	Albuquerque
Sanchez, Barbara M.	Albuquerque
Sanchez, Cosme S.	Tome
Sanchez, Emilia	Albuquerque
Sanchez, Florenda	Albuquerque
Sanchez, George I.	Albuquerque
Sanchez, Manuel	Tome
Sanchez, Marie Carlotta	Old Albuquerque
Sanchez, Mrs. Mary M.	Los Lunas
Sanchez, Telesfor	Albuquerque
Sanchez, Mrs. Virgie R.	Albuquerque
Sandoval, Mrs. Candelaria	Albuquerque
Sandoval, Frank	Estancia
Sandoval, Mabel	Albuquerque
Sandoval, Pete	Albuquerque
Sandoval, Petrita	Albuquerque
Sandoval, Thomas A.	Marquez
Saunders, Catherine	Lebanon, Missouri
Schaad, John A.	Bath, Illinois
Scheele, Anita	Belen
Scheele, Elizabeth	Belen
Schroeder, Erna	Albuquerque
Schulz, Mrs. Elsie	Albuquerque
Schupp, Ora E.	Albuquerque
Scott, Mrs. Velma	Santa Rita
Selken, Mary A.	Oklahoma City, Oklahoma
Sharp, Mrs. Selma	Albuquerque
Sharp, Mrs. W. S.	Albuquerque
Sherfield, Velma	Albuquerque
Sherman, Louise A.	Albuquerque
Sherwood, Lucille	Dawson
Shoffner, Mrs. Louise A.	Red River
Shortle, Margaret	Albuquerque

Siler, Randolph	Albuquerque
Silver, Lela Esther	Albuquerque
Simmons, Mary E.	Albuquerque
Sininger, Harlan	Albuquerque
Skillman, Carrie S.	Roswell
Smith, Mrs. Elizabeth L.	Santa Fe
Smith, Hazel A.	Roswell
Smith, Prudence B.	Lebanon, Missouri
Smith, Royale	Jourdanton, Texas
Soto, Mrs. Bennie Lucero	Albuquerque
Spalding, Branch	Albuquerque
Spillers, Eula B.	Albuquerque
Spillers, Lena L.	Albuquerque
Springer, Fabiola	Old Albuquerque
Stegner, Alma C.	Albuquerque
Stephens, Mrs. Edith	Albuquerque
Stephenson, Jewel	Clayton
Sterrett, John D.	Albuquerque
Stewart, Virginia E.	Gamercro
Stickney, Mrs. Adela S.	Albuquerque
Stinnett, Rufus	Portales
Stone, Gertrude	Albuquerque
Stover, Haldane	Albuquerque
Stroope, Irene	Albuquerque
Stuart, Clyde G.	Alto
Stuart, Mrs. Ethel M.	Alto
Stuart, Mrs. Ruth	Alto
Stuart, W. W.	Alto
Stubbs, Helen	Albuquerque
Sturgeon, Kate	Albuquerque
Swayne, Mrs. Florence E.	Albuquerque
Talley, Mrs. Lorena	Albuquerque
Taylor, Eleanor	Albuquerque
Taylor, James W.	Portales
Taylor, Mrs. James W.	Portales
Taylor, Louise	Phoenix, Arizona
Terrazas, Juana	Albuquerque
Thompson, William M.	Los Lunas
Tolle, Vernon O.	Albuquerque
Traylor, Lynda	Tucumcari
Tubbs, Rhoda	Albuquerque
Turner, Ada	Albuquerque
Turner, Virginia	Albuquerque
Turrieta, Olympia	Albuquerque
Ulibarri, Mrs. Adelina M.	La Mesa
Urban, Mrs. Frances	Cerrillos
Van Arsdale, Jonathan	Encino
Van Atta, Mary Eleanor	Albuquerque
Van Scoyk, Mildred	Albuquerque
Vergolio, Frances	Cerrillos
Vergolio, Genevieve	Cerrillos

DIRECTORY OF STUDENTS

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Vergolio, Julia	Cerrillos
Vigil, Aurora	Socorro
Vigil, Irene	Socorro
Vigil, Mrs. Irene A.	Albuquerque
Von Ehrenfeld, Mrs. Eva	Colorado Springs, Colorado
Wallace, William B.	Colmor
Walling, William W.	Clearwater, Florida
Walls, Mrs. Anna G.	Albuquerque
Walters, Mrs. Lydia	Albuquerque
Webb, Gerald P.	Albuquerque
Webb, Vada A.	Albuquerque
Wentworth, Kenneth L.	Albuquerque
Wentworth, Mrs. Madelyn	Albuquerque
Westlake, Mrs. Inez B.	Albuquerque
Whistler, Carl W.	Albuquerque
White, Artie Lee	Springer
White, Edna E.	Albuquerque
White, Jessie	Springer
Wiley, Genevieve L.	Albuquerque
Wiley, Marion	Albuquerque
Wiley, Thomas M.	Albuquerque
Williams, Allen B.	Las Cruces
Williams, Amy Marie	Santa Fe
Williams, Helen Corinne	Estancia
Wilson, Mrs. Bertha L.	Albuquerque
Wilson, Mrs. Dorothy G.	Santa Fe
Winn, Mrs. Amy G.	Jal
Winn, S. H.	Jal
Wiseheart, James W.	Gallup
Wolff, Betty	Gallup
Wood, Ida O.	Chama
Woolman, Mrs. Esther M.	Albuquerque
Wright, Gilbert	Springer
Wylie, Mrs. Lockey	Albuquerque
Zeliff, Verr H.	Albuquerque

FIELD SCHOOL

ARCHAEOLOGY

Chaco Canyon Ruins, New Mexico, June, 1929

Caughey, Donald R.	Albuquerque
Curtin, Leonora F.	Santa Fe
Fisher, Reginald G.	Albuquerque
Goddard, Sara	Albuquerque
Harding, Mabel V.	San Diego, California
Harper, Mrs. Blanche W.	Jemez
Hawley, Florence M.	Tucson, Arizona

Reiter, Paul	Santa Fe
Risser, Anna	Albuquerque
Russell, John C.	Albuquerque

Shepard, Anna O.	Santa Fe
Stamm, Winifred	Albuquerque
Stubbs, Stanley	Albuquerque

Tietjens, Janet	Chicago, Illinois
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Vann, Richard	Albuquerque
Vivian, R. Gordon	Albuquerque

Wilson, Mrs. Clara L.	Albuquerque
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Battleship Rock, Jemez Hot Springs, New Mexico, August, 1929

Alexander, Hulbert G.	Claremont, California
Austin, Alma H.	Los Angeles, California
Ayala, Anita	Albuquerque

Bess, Mildred E.	Albuquerque
Bittleston, Marie E.	Santa Fe

Claubes, Zoe Patricia	Porterville, California
Clifford, Helen Reese	Chicago, Illinois
Conrad, Edith	Santa Fe
Curtin, Leonora F.	Santa Fe

Doak, Mrs. Mary	Lubbock, Texas
Dunbar, Mrs. Helen	Yuma, Arizona
Dunbar, Helen Elizabeth	Yuma, Arizona

Eveleth, Catherine	Schenectady, New York
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Felin, Frances E.	Germantown, Pennsylvania
Fisher, Reginald G.	Albuquerque

Goforth, Flora Dee	Lubbock, Texas
Graham, Mary Louise	Lovington

Harding, Mabel V.	San Diego, California
Harniss, Leah	Pasadena, California
Harper, Mrs. Blanche W.	Jemez
Harvey, Mrs. Henry	Cleveland, Ohio
Harwood, Kay Aurelia	Pasadena, California
Heller, Mary Louise	Santa Fe
Hogins, Estelle	Albuquerque

Johnson, Bessie Lee	Albuquerque
Johnson, Harold E.	Albuquerque

Kent, Ann Corinne	Madison, New Jersey
Kent, Susan	Madison, New Jersey

DIRECTORY OF STUDENTS

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Koller, Margaret E.	Yonkers, New York
Kreutzberg, Robin	Bethlehem, Pennsylvania
Krost, Elisabeth C.	Pasadena, California
Krost, Robert B.	Pasadena, California
Mara, John R.	Albuquerque
Maxwell, Julia W.	Pasadena, California
Morrell, Charlotte Georgina	Denver, Colorado
Mosher, Florence E.	Rochester, New York
Paxton, Mrs. Ruth Bursum	Socorro
Pickard, Caroline G.	Taos
Pond, Dorothy	Santa Fe
Ranck, Mabel A.	Gage, Oklahoma
Reisfar, Louise Haymaker	Santa Fe
Risser, Anna	Albuquerque
Sharp, Jeffie Winifred	Albuquerque
Shepard, Anna O.	Santa Fe
Shonnard, Edmee Louise	Los Angeles, California
Stamm, Winifred	Albuquerque
Stubbs, Stanley A.	Albuquerque
Terry, Mrs. Adolphine Fletcher	Little Rock, Arkansas
Thompson, Caroline Huston	Washington, D. C.
Tietjens, Janet	Chicago, Illinois
Trumbull, Mrs. Marjorie R. S.	New York, New York
Vann, Richard	Albuquerque
Vivian, R. Gordon	Albuquerque
Walker, Laurene Porter	Denver, Colorado
White, Florence June	Redlands, California

BIOLOGY

Battleship Rock, Jemez Hot Springs, New Mexico, August, 1929

Archer, Mary Lee	Santa Rita
Balch, Walter B.	Manhattan, Kansas
Bentley, Estelle	Albuquerque
Cooper, Barnet	Brooklyn, New York
Denton, Fannie Elizabeth	Chicago, Illinois
Graves, George W.	Fresno, California
Hutchinson, Olive L.	Marquette, Michigan

Mason, Carol Young ----- Milwaukee, Wisconsin
Morrison, George S. ----- Loving

Nelson, Ethel Lillian ----- Chicago, Illinois
Nutty, George ----- Albuquerque

Peacock, Bess Reed ----- Los Angeles, California

Scott, Mrs. Velma R. ----- Santa Rita
Sickenberger, Laura ----- Chicago, Illinois
Swartz, Daphne Bell ----- Peoria, Illinois

Whistler, Carl W. ----- Albuquerque
Whitworth, Ada ----- Cleveland, Ohio
Williamson, Theresa Gertrude ----- Pasadena, California

SUMMARIES

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SUMMARIES AND STATISTICS

ENROLLMENT

	Men	Women	Total
First and Second Semesters, 1929-1930.			
College of Arts and Sciences	295	234	529
College of Education	48	198	246
College of Engineering	133	0	133
Graduate School	25	48	73
Special and Unclassified Students	53	80	133
Totals	554	560	1114
Extension Division			
Correspondence Courses	27	73	100
Non Resident Classes	41	25	66
Totals	68	98	166
Summer Session, 1929	122	351	473
Fields Schools, 1929			
Chaco - Archaeology	7	10	17
Jemez - Archaeology	8	47	55
Jemez - Biology	6	12	18
Totals	21	69	90
Totals	765	1078	1843
Less Duplicates	74	177	251
Net Total			1592
Total enrollment, first semester			983
Total enrollment, second semester			870
Total for year			1853
Less duplicates (students enrolled both semesters)			739
Total different persons registered			1114

ENROLLMENT BY CLASSES

Freshmen	193	139	332
Sophomores	139	115	254
Juniors	81	100	181
Seniors	63	78	141
Graduates	25	48	73
Special and Unclassified Students	53	80	133
Total	544	560	1114

SUMMARIES

DISTRIBUTION OF STUDENTS BY STATES AND COUNTIES

(First and second semesters, 1929-1930. Does not include Extension

Division, Summer Sessions, or Field Schools.)

New Mexico (Counties)

Bernalillo	669	Otero	11
Chavez	43	Quay	22
Colfax	25	Rio Arriba	3
Curry	14	Roosevelt	13
DeBaca	9	Sandoval	1
Dona Ana	3	San Juan	9
Eddy	21	San Miguel	6
Grant	3	Santa Fe	36
Harding	5	Sierra	1
Hidalgo	1	Socorro	10
Lea	4	Taos	6
Lincoln	13	Torrance	16
Luna	4	Union	14
McKinley	20	Valencia	22
Mora	2		
Total from New Mexico			1006

SUMMARIES

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Total from New Mexico ----- 1006

Other States

Alabama -----	1	Mississippi -----	1
Arizona -----	3	Missouri -----	7
California -----	9	Nebraska -----	3
Colorado -----	3	New York -----	2
Illinois -----	7	Ohio -----	8
Indiana -----	7	Oklahoma -----	7
Iowa -----	4	Pennsylvania -----	12
Kansas -----	5	South Dakota -----	1
Kentucky -----	1	Tennessee -----	1
Louisiana -----	3	Texas -----	11
Massachusetts -----	1	West Virginia -----	1
Michigan -----	5	Wisconsin -----	1
Minnesota -----	1		

Total from other states ----- 105

Foreign Countries

Korea -----	1
Philippines -----	1
Sweden -----	1

Total from Foreign Countries ----- 3

Total ----- 1114

SCHOLARSHIPS - AWARDS - HONORS

THE ALFRED GRUNSFELD MEMORIAL FOUNDATION

Archie McDowell

THE C. T. FRENCH MEDAL FOR SCHOLARSHIP

Gladys Jones

THE GEORGE E. BREECE PRIZE FOR EXCELLENCE IN
ENGINEERING

James Crawford

THE H. L. DOUGHERY AWARD

Stanley Pelatowski

THE SIGMA TAU MEDAL

Robert Officer

THE KATHERINE MATHER SIMMS PRIZE IN ENGLISH

Gladys Black

THE CHI OMEGA PRIZE

Louise Moss

THE ALPHA CHI OMEGA PRIZE

Jeffie Sharp

THE MARIAN COONS KINDNESS AWARD

Maud McIntyre

THE IVES MEMORIAL SCHOLARSHIPS

Anita Ayala

Marcella Clayton

THE PHILO S. BENNETT PRIZE

Mabel Sandoval

DEGREES, 1929

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BEST STUDENTS FOR 1928-1929

College of Arts and Sciences

Freshman	Ruth Taylor
Sophomore	Katherine Mulroy
Junior	Fay Heath
Senior	Gladys Jones

College of Education

Underclassman	Annabelle Stuart
Upperclassman	Melvin Lostutter

College of Engineering

Underclassman	Stanley Pelatowski
Upperclassman	David Mitchell

DEGREES CONFERRED JUNE 3, 1929

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

Major Studies		Minor Studies
Gladys Black	English, Music	Education
Ruth Karen Brown	Education	Eng., Psychology
Georgina Wolseley Connor	History	Economics, Educ.
Thomas S. Devine	Economics	Education, Political Science
Dorothy Zula Dillard	English	History
Rita Dilley	English	Music
Katherine Enderlin	Music	Biology
William James Flynn	English	Psychology
Ted Gallier	Economics	Eng., Psychology
Eunice Eleanor Herkenhoff	English	History
Helyn Ruth Houp	English	Home Economics
Harry Herbert Hust	English	History
Herbert Ross Hyde	Economics	Geology
Gladys Fay Jones	English	Education, His.
Pauline Jones	Psychology	Education, His.
Cleopha Constance Kennedy	Spanish	Education, His.
		English

Carrie Emeline King	English	Spanish
Eleanor King	Economics	Eng., Psychology
John Patrick McFarland	History	English
Dorothy Louise McGonagill	English	Spanish
Maude Meta McIntyre	Home Economics	Education
John Lawrence Milne	Economics	Mathematics
Thomas Edward Moore	Economics	Geology
Jane Evans Mulroney	Music	Education
Mabel Evelyn Olson	Chemistry	Education
Lenore Elizabeth Pettit	English	Music
Adriano Ramon Salazar	Economics, History	Education
Anita M. Scheele	History	Economics, Educ.
Christine Lenore Shaver	English	History
Ellis Haby Sieglitz	Economics	Psychology
Helen Margaret Stansifer	English	History
John Torrence Watson	English	History
Emmy Ann Wortmann	Spanish	French, Political Science

BACHELOR OF SCIENCE

Doris Myrl Barker	Home Economics	Chemistry
Kenneth E. Bricker	Physics	Education
Sarah Louise Cook	Biology	Education, His.
Vivian Ernestine Dunton	Biology	Chemistry
Bob Fisher	Biology	Chemistry, Phys.
Harry Mauger	Chemistry, Geology	History
Lester A. Taylor	Chemistry	Mathematics
Norbert William Zimmer	Biology	Chemistry, Educ.

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

Alma Virginia Eastin	History	English
Louise Geolitz	English	Spanish
Janice Bartlett Reeder	History	French, Spanish

BACHELOR OF SCIENCE IN EDUCATION

Eleanor Hilah Allport	Education	Spanish, History
Mrs. Jessie Kassing Blackshare	Education	English
Frances Guthrie Donley	Education	His., Mathematics
Mrs. Bess Kimball Popejoy	Education	History, English Psychology
Mildred Smith Riedemann	History, Education	Psychology
Mrs. Ruth Sanders	Education	English

COLLEGE OF ENGINEERING
BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Frederick John Fricke
Wendell Gray Hall
John Clementson Key

William Gordon Lewis
Charles Casto McDonald
William E. Reed

Charles Collett Smith

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Vollie Gholson Brown

John Raymond Dietzman

Fred McBride Pyle

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

James Gilmore Crawford

GRADUATE SCHOOL

MASTER OF ARTS

Charles Edward Brown	Education	Economics
Blanche Wurdack Harper	Anthropology	English
Marcella Reidy	English	Education
Susanna Arabella Sterrett	Psychology	English
Carl Norman Taylor	English	Education

HONORARY DEGREE

DOCTOR OF LAWS

Clarence Cook Little, A.B., S.M., S.D., LL.D.

DEGREES CONFERRED JULY 27, 1929

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

Jessie Edith Bryson	Mathematics	Physics
Holm O. Bursum	History	Geology

BACHELOR OF SCIENCE

Frances Burdell Parker	Home Economics	Education
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COLLEGE OF EDUCATION

BACHELOR OF ARTS

Helen Amanda Henry	-----Chemistry	Spanish
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BACHELOR OF SCIENCE

Cecile Alberta Bentley	-----Education	English
Edna L. Miller Lybarger	-----Education	Home Economics
John Milne	-----Education	Anthropology
Lydia Marie Walters	-----Education	English, History

GRADUATE SCHOOL

MASTER OF ARTS

Anna Elizabeth Falls	-----Education	English
Reginald Fisher	-----Anthropology	
Tom Popejoy	-----Economics	
Kate Sturgeon	-----Psychology	Education
Vernon O. Tolle	-----Education	Psychology

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