

Same Style

FILE COPY

DO NOT REMOVE FROM
OFFICE OF SECRETARY

THE
UNIVERSITY OF NEW MEXICO
BULLETIN

FORTIETH
ANNUAL CATALOGUE ISSUE
1930-1931



Announcements
1931-1932

PUBLISHED BY
THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, N. M.
APRIL, 1931

The University of New Mexico Bulletin

Fortieth
Annual Catalogue Issue
1930-1931



Announcements 1931-1932

PUBLISHED BY THE UNIVERSITY OF NEW MEXICO

THE UNIVERSITY OF NEW MEXICO BULLETIN

Volume 44, No. 5 Catalogue Series Whole No. 189 April 1, 1931

Published Twice a Month by the University of New Mexico
Albuquerque, New Mexico

Entered as Second Class Matter, May 1, 1906, at the post office at Albuquerque, N. M.,
under Act of Congress of July 16, 1894.

UNIVERSITY OF NEW MEXICO PRESS

University Calendar

SUMMER SESSION, 1931

June	8-9	Monday and Tuesday, registration days.
June	10	Wednesday, instruction begins in all departments.
July	4	Saturday, Independence Day; holiday.
August	1	Saturday, summer session ends.

FIRST SEMESTER, 1931-1932.

September	10-14	Thursday to Monday, freshman week.
September	14	Registration for freshmen, 9-12, 1-4.
September	15	Tuesday, 9-12 and 1-4, registration for all other students.
September	16	Wednesday, instruction begins at 8 A. M.
October	17	Saturday, examinations for the removal of conditions.
November	11	Wednesday, Armistice Day; holiday.
November	26	Thursday, Thanksgiving Day; holiday.
December	19	Saturday, holiday recess begins at 12 M.
January	4	Monday, instruction resumed at 8 A. M.
January	25-29	Monday to Friday, semester final examinations.
January	29	Friday, semester ends at 5 P. M.

SECOND SEMESTER, 1931-1932

February	1	Monday, entrance examinations.
February	2	Tuesday, 9-12 and 1-4, registration for residents of Albuquerque and vicinity.
February	3	Wednesday, 9-12 and 1-4, registration for all other students.
February	4	Thursday, instruction begins at 8 A. M.
February	27	Saturday, University Memorial Day.
March	5	Saturday, examinations for the removal of conditions.
April	1-2	Friday and Saturday, Spring recess.
May	28	Saturday, semester final examinations begin.
May	30	Monday, Memorial day; holiday.
May	31	Tuesday, semester final examinations.
June	3	Friday, semester final examinations end.
June	5	Sunday, baccalaureate services.
June	6	Monday, commencement exercises.

The Board of Regents

HIS EXCELLENCY, THE GOVERNOR OF NEW MEXICO -----Ex-officio

THE STATE SUPERINTENDENT OF PUBLIC INSTRUCTION
OF NEW MEXICO -----Ex-officio

MRS. REED HOLLOMAN, *President* -----Santa Fe

ORIE L. PHILLIPS, *Vice President* -----Albuquerque

JOHN F. SIMMS, *Secretary and Treasurer* -----Albuquerque

FRANK LIGHT -----Silver City

A. C. TORRES -----Socorro

NOTE: At the time of going to press, no changes in membership of the Board of Regents had been announced.

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

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.*

BENJAMIN FRANKLIN HAUGHT, *Dean of the Graduate School.*

JAY CARROLL KNODE, PH.D., *Dean of Men.*

LENA CECILE CLAUVE, B.A., *Dean of Women.*

J. T. REID, M.A., *Director of the Extension Division.*

PAUL WALTER, JR., B.A., *Editor of Publications and Director of Pub-
licity.*

ALICE M. OLSON, B.A., *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.*

CLAUDIA M. MARSCHALL, A.B., B.S., *Clerk in the Office of the Reg-
istrar.*

RUTH RUSSELL, *Assistant Librarian.*

GENEVRA PARKER, B.A., B.S., *Cataloguer in Library.*

UNIVERSITY HEALTH SERVICE

JAMES R. SCOTT, M.D., PH.D., *Associate Professor of Health.*

R. W. MENDELSON, M.D., D.PH., F.A.C.P., *University Physician.*

STAFF OF STATE HEALTH LABORATORY

J. ROSSLYN EARP, DR.P.H., *State Director, Bureau of Public Health, Consultant.*

MYRTLE GREENFIELD, M.A., *Chief, Division of Laboratory, State Public Health Laboratory.*

ELEANOR L. BULLOCK, B.A., *Bacteriologist in State Public Health Laboratory.*

PHYSICAL EDUCATION AND ATHLETICS

ROY WILLIAM JOHNSON, B.A., *Director and Coach.*

TOM CHURCHILL, B.A., *Assistant Coach.*

WILLIS L. BARNES, *Physical Director and Freshman Coach.*

JOHN PATRICK MCFARLAND, B.A., *Assistant Physical Director and Freshman Coach.*

ROBERT CRIST, *Assistant Freshman Coach.*

JAMES E. SADLER, *Part-time Instructor in Riding.*

WILLIAM B. REARDON, B.A., *Part-time Instructor in Riding.*

TOM L. POPEJOY, M.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. HARRIETT WILSON, *Assistant Matron of Women's Residential Hall.*

TELFAIR HENDON, B.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 M. ANCONA.
Part-time Instructor in Pipe Organ and Piano.

JOHN BABCOCK BAKER, B.S., M.S., University of Illinois.
Associate Professor of Mechanical Engineering.

WILLIS 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.

LANSING B. BLOOM, B.A., M.A., Williams College.
Associate Professor of History.

MAYNARD L. BOWEN, B.S., University of New Mexico; M.S., University of Florida.
Instructor in Chemistry.

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

ELSIE RUTH CHANT, B.A., M.A., University of New Mexico.
Instructor in English.

KENNETH M. CHAPMAN.
Part-time Instructor in Indian Art.

MARY CHESIRE, B.S. in P.E., State University of Iowa.
Assistant in Physical Education for Women.

TOM CHURCHILL, B.A., University of Oklahoma.
Assistant Athletic Coach.

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 Assistant Professor of 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.

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

Assistant Professor of French and German.

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

Professor of Electrical 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.

J. H. DORROH, B.E., C.E., Vanderbilt University.

Professor of Civil Engineering.

RALPH W. DOUGLASS, B.A., Monmouth College.

Part-time Instructor in Commercial Art.

JOHN EDWIN EARL, B.S., Lafayette College; M.A., University of New Mexico.

Research Assistant in San Jose Training School.

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.

Assistant Professor of Romance Languages.

REGINALD G. 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.

GORDON FULLER, B.A., West Texas State Teachers College; M.A., University of Michigan.

Instructor in Mathematics.

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

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

BERNARD HELFRICH, B.M., Bush Conservatory.

Instructor in Piano and Theory.

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.

NILS HOGNER.

Part-time Instructor in Indian Art.

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

Director of Athletics.

*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 M. KUNKEL.

Part-time Instructor in Band and Wood Wind Instruments.

S. B. LIPPINCOTT, B.A., Union College.

Instructor in Physics and Chemistry.

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

Assistant Physical Director and Freshman Coach.

HELEN E. MARSHALL, B.A., College of Emporia; M.A., University of
Chicago.

Instructor in History.

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 PETER 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 Ad-
ministration, 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.

Professor of Geology.

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

Assistant Professor of Modern Languages.

*On leave of absence, 1930-1931.

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

Assistant Professor of Psychology.

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

Part-time Instructor in Architecture.

THOMAS MATTHEWS PEARCE, B.A., University of Montana; M.A., Ph.D., University of Pittsburgh.

Associate Professor of English.

TOM L. POPEJOY, B.A., M.A., University of New Mexico.

Assistant Professor of Economics and Business Administration.

BESS CURRY REDMAN.

Instructor in Voice.

*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 Extension 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.

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

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.

BRICE H. SEWELL.

Part-time Instructor in Sculpture.

JOHN E. SEYFRIED, B.S., M.A., University of New Mexico; Ph.D., University of California.

Assistant Professor of Education.

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

Professor of Home Economics and Supervisor of the Dining Hall.

*On leave of absence, 1930-1931.

HARLAN SININGER, B.A., Wilmington College; M.A., University of New Mexico.

Principal of the San Jose Training School.

VERNON G. SORRELL, B.A., State University of Iowa; M.A., University of Illinois; Ph.D., University of California.

Associate Professor of Economics and Business Administration.

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

Professor of English.

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

Assistant Professor of Anthropology.

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 and Director of the San Jose Training School.

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

Instructor in Civil Engineering.

ARTHUR S. WHITE, Ph.B., Grove City College; LL.B., M.A., J.D., University of Michigan.

Associate Professor of Political Science.

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

Assistant Professor of English.

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

Instructor in Violin.

THOMAS L. YATES, B.J., University of Missouri.

Part-time Instructor in Advertising.

TEACHING FELLOWS

WALLACE A. BISBEE, B.S., University of New Mexico.

Graduate Fellow in Geology.

C. S. CONLEE, B.A., New Mexico State Teachers College.

Graduate Fellow in Education.

ELEANOR DIMMITT, B.A., Park College.

Graduate Fellow in Biology.

MARJORIE FERGUSON, B.A., Colorado College.

Graduate Fellow in Anthropology and Archaeology.

TELFAIR HENDON, B.A., University of New Mexico.

Graduate Fellow in English.

*On leave of absence, 1930-1931.

THELMA ADAMS JENKINS, B.A., University of New Mexico.

Graduate Fellow in English.

VOLNEY JONES, B.S., Agricultural and Mechanical College of Texas.

Graduate Fellow in Biology.

MARGARET O'CONNELL, B.A., University of New Mexico.

Graduate Fellow in Psychology.

JOHN C. RUSSELL, B.A., University of New Mexico.

Graduate Fellow in History.

E. SPENCE SHANNON, B.A., Morris Harvey College.

Graduate Fellow in English.

RAYMOND STUART, B.S., University of New Mexico.

Graduate Fellow in Economics.

Standing Committees of the Faculty

1930-1931

The first-named member of each committee is chairman.

Administrative: ZIMMERMAN, HAUGHT, SHANNON, ROCKWOOD, NANNINGA, KNODE, CLAUVE.

Alumni Relations: POPEJOY, CLARK, REID, OSUNA, RUSSELL.

Appointments: REID, NANNINGA, ST. CLAIR, SIMPSON.

Athletic Council Representatives: NANNINGA, JOHNSON, ALLEN, SEYFRIED.

Campus Improvement: CASTETTER, DORROH, TANQUIST, FRICKE, MILLER.

Commencement Exercises: KNODE, THOMPSON, MITCHELL, MUNRO, RUSSELL.

Courses of Study: HAUGHT, SHANNON, ROCKWOOD, NANNINGA.

Eligibility: OLSON, BARNHART, JOHNSON, WAGNER.

Entrance and Credits: OLSON, SHANNON, ROCKWOOD, NANNINGA.

Extension: REID, SHANNON, ROCKWOOD, NANNINGA.

Field School: HEWETT, CASTETTER, NORTHROP, DORROH, FISHER.

Freshman Week: KNODE, CLAUVE, OLSON, THOMPSON, HAUGHT, MCFARLAND, LIPPINCOTT.

Graduate: HAUGHT, ST. CLAIR, HEWETT, NORTHROP, CASTETTER, SCHOLES, SORRELL.

High School Relations: DIEFENDORF, KNODE, OSUNA, REID, BARRETT, MCFARLAND.

Honors and Awards: ROCKWOOD, SIMPSON, MARSHALL, BOWEN.

Library: SHELTON, DENTON, SCHOLES, MITCHELL, ELLIS, PEARCE, FULLER.

Memorial Day: MITCHELL, CLARK, HODGIN, HEWETT.

Program of Classes and Rooms: BARNHART, ALLEN, BAKER, MILLER.

Public Exercises: KNODE, THOMPSON, REID, DARGAN, ENGLEKIRK, REDMAN.

Publications: CLARK, HAUGHT, SHELTON, HEWETT, SCHOLES, WALTER.

Publicity: WALTER, COAN, PEARCE, CHANT.

Rhodes Scholarship: MITCHELL, ST. CLAIR, DENTON.

Scholarship:

- A. College of Arts and Sciences: SHANNON, SIMPSON, CASTETTER, DEJONGH, WHITE.
- B. College of Engineering: ROCKWOOD, BAKER, DENTON, DORROH.
- C. College of Education: NANNINGA, HAUGHT, TIREMAN, DIEFENDORF, SEYFRIED.

Student Accounts: SORRELL, POPEJOY, RUSSELL.

Student Employment: POPEJOY, PAGE, MILLER.

Student Health: SCOTT, MENDELSON, BARRETT, BARNES, CLAUVE.

Student Loans: KNODE, CLAUVE, MILLER.

Student Publications: ST. CLAIR, DEJONGH, DENTON, FISHER, SEYFRIED.

Student Relations: SIMPSON, KNODE, CLAUVE, NORTHROP, PAGE.

Summer Session: NANNINGA, HAUGHT, SHANNON, KNODE, SIMPSON.

University Weekly Bulletin: KNODE, ST. CLAIR, CLAUVE, JOHNSON.

History

A bill was passed by the Legislative Assembly in 1889, 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 1909, Dr. E. D. McQueen Gray was chosen to succeed President Tight, and served until 1912.

In 1912, President Gray was succeeded by Dr. David Ross Boyd.

Dr. David Spence Hill was president from July, 1919, to September, 1927, on leave of absence from January 22 to September, 1927.

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.

Situation and Environment

Albuquerque, the most populous city in New Mexico, is the seat of the University. The altitude is 5,000 feet.

Albuquerque lies on the main line of the Atchison, Topeka & Santa Fe railway system, at the junction of the lines of 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.

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 for a term of four years; 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, Dining Hall, Gymnasium, Hadley Hall, Korber Buildings, Lecture Hall, Library, Music Hall, Power House, President's Home, Residential Halls (three for women and two for men), Rodey Hall, Sara Raynolds Hall, and Science Hall.

The Library

The Library consists of 34,204 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 433 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 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.

The Carnegie Corporation has recently given \$25,000, for a period of five years for the purchase of books, which, together with the annual appropriation of the University, will enable the Library to secure a rich collection in every field of study in which courses are offered.

To C. C. Catron the University is indebted for the loan of the late Senator Catron's library comprising 1323 books on religion and history in several languages, chiefly Spanish and Latin.

The Library has also been the recipient of many individual gifts, and welcomes contributions of all printed and manuscript material.

During the fall and spring semesters the Library is open every day, except Saturday and Sunday, from 7:45 A. M. to 9:00 P. M.; on Saturday from 7:45 A. M. to 6:00 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 should secure from the Registrar's office at the University a blank certificate of recommendation and have it filled out and signed by the principal or superintendent of their high school. The person filling it out should return the blank directly to the Registrar's office at least one week prior to the opening of school.

Accredited Schools

Secondary schools in New Mexico accredited by the North Central Association of Schools and Colleges or by the

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

Graduates of non-accredited high schools are subject to entrance examinations, as follows: English, 3 units; algebra, 1 unit; plane geometry, 1 unit; foreign language or social sciences or natural sciences, 2 units.

All other applicants, except Adult Special Students, are subject to entrance examinations as specified in paragraphs 1, 2 and 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, 1/2 unit, and Community Civics, 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 each fall term, a "Freshman Week" program is carried through. This program, for the year 1931-32, will start Thursday morning, September 10, 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. The majority of these tests are administered during Freshman Week.

Every student registered in Freshman English is examined as to his ability to use clear, correct, idiomatic English. No student can pass this test or 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 like manner tests in Spanish are given by the Department of Modern Languages (see Spanish 3), and in the College of Engineering aptitude tests in mathematics are required (see Mathematics A).

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. Complete official transcripts of all previous work, and a statement showing that the applicant may re-register at any time must be received directly from the Registrar of 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 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 follow:

- (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

Registration in courses, and 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.

Program of Studies

No student will be permitted to enroll in less than 14 or more than 17 credit hours except for reasons presented in writing and duly approved by the Dean. Students, however, to meet the requirement of eligibility, must enroll in at least 15 credit hours plus Physical Education.

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 meeting 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.

Students who withdraw from the University after January first or May first will receive the grades they are earning at the time of withdrawal, but without credit.

Capable students who chronically make low grades will be dismissed from the University.

Scholarship Regulations

- I. A student is put on probation:
 1. If he makes grades of X or F in one-half of the hours carried.
 2. If he fails to score one and one-third times as many quality points as hours carried, when quality points are counted as follows: A, 4; B, 3; C, 2; D, 1; X, 0; F, 0.
- II. A student is suspended:
 1. If on three successive six-week reports* he is deficient in scholarship (as described in I above).
 2. If he is reported as deficient four times, but not successively, within two successive semesters.
 3. If he receives grades of X or F in three-fourths of his hours in any six-week report, provided that he has been on probation at any time during the preceding 18 weeks.
- III. No freshman shall be suspended before the fourth six-week report, counting from the beginning of the semester of his first enrollment.
- IV. A student who is suspended for poor scholarship; or who, after having been placed on probation at the end of the semester, fails to re-register for the following semester; or who withdraws from the University while on probation, shall be considered as on probation upon his return to the University, and the Scholarship Rules (as given in II above) shall apply as though he had not been away.
- V. Physical Education and Health courses shall be treated on the same basis as other subjects.
- VI. A dean has the power to require a student on probation at the end of the semester to enroll for the minimum

*At the end of a semester, the final semester grades are used, rather than the grades for the last six weeks alone.

number of hours at the beginning of the following semester; and he may at any time require a student on probation to drop as many hours as seem to be in excess of the student's ability.

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.

Honorable Dismissals

A student leaving the University after fulfilling all his obligations to the University is entitled to receive upon request, from the Registrar, together with a statement of

honorable dismissal, 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 dimin-

ished 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 91.)

Philosophy 1 (Contemporary Problems) must be taken by all students in all undergraduate colleges of the University in their freshman year.

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 57, 58 (for men), or 5, 6, 55, 56 (for women) 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 1932.

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 de-

livered 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.

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⁾	8.00
Health fee, per semester	1.00
Guarantee deposit	10.00

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
Health fee (paid by all graduate students taking more than 6 hours work.)	1.00

(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.)

(3) The Student Activities Fee (\$8) 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. The University reserves the right to withhold, or to refund to the students, such amounts as may be necessary.

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 to remove X	2.00
Special Examination fee for advanced standing, per credit hour	2.50
Change in Program fee	1.00
Diploma fee, Graduate	10.00
Diploma fee, Undergraduate	5.00
Health fee, per semester	1.00

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 34.

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 are extra charges 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

Dormitories for men and women are provided for students who wish to live on the campus. A proctor with full supervisory power is in charge of each dormitory. Single or double rooms, or suites for two or three occupants, are available. The rooms are furnished, but students must supply their own bedding, towels, etc., and pay their own laundry bills. Prices of rooms vary from \$10.00 to \$15.00 per month, in accordance with the regulations below.

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 registration, the reservation fee is applied toward the student's room account.

Members of the faculty or other persons connected with the University may obtain meals at the University Dining Hall at the same rates as students.

The Board of Regents recommends that students living in the dormitories take their meals at the Dining Hall. This is not compulsory, however. Rates for board and room are as follows:

- | | |
|---|---------|
| 1. Meals at the dining hall for students residing in the dormitories, per month ----- | \$27.50 |
| 2. Meals at the dining hall for students not residing in the dormitories, per month ----- | 30.00 |
| 3. Room rent for students taking meals at the dining hall -- | 10.00 |
| 4. Room rent for students not taking meals at the dining hall | 15.00 |

These rates are 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, regardless of residence in the dormitories. 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 by the Board of Regents 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. 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 University administers, under the direction of the Student Loan Committee, its own Student Loan Fund, and co-operates in the administration of several others. The first, made up of gifts of former years, is loaned to worthy students at the University, and has assisted many to complete their education.

General rules applying to these loans are:

- (a). The student must have been in residence at the University a year or more.
- (b). He must be receiving grades of C or better in subjects being carried, and preference will be given to worthy students with the higher ratings in scholarship.

- (c). Evidence of proper qualifications as to character must be presented.
- (d). Not more than \$50.00 will be made available to the student at one time, and extension or increase of loan will be based upon the effort of the student to meet his existing obligation.

(NOTE: The maximums available from this fund respectively for sophomores, juniors, and seniors are \$50.00, \$75.00, and \$100.00, with the provision that the succeeding amount shall be loaned each year upon repayment by the student of at least half the sum previously borrowed.)

Other loan funds available to students at the University, either wholly or in part, are:

Low Wallace Chapter, D. A. R., Student Loan Fund.

Tuesday Club Loan Fund.

Loan Fund of the Faculty Women's Club of the University of New Mexico.

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.

A. B. McGaffey Loan Fund. (Albuquerque Rotary Club.)

Room Registry

In addition to the accommodations provided in the dormitories and in the various fraternity houses, other living quarters in private homes are available and are to be found listed in the office of the Dean of Men.

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. In March, 1931, this amount was increased by a further gift of \$100. 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 who has earned at least 34 hours toward graduation and whose weighted average grade for the year is 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 Politi-

cal 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 re-

ipient 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

The Trustees of the Will of Cecil Rhodes modified the manner of selection of Rhodes Scholars whereby there is a maximum of 32 scholars selected each year, each receiving an honorarium of \$2,000 per annum, and studying for two or three years in Oxford University, England.

A committee of the faculty nominate to the state committee of selection. This committee selects two men to represent the State of New Mexico before the district committee, which, in turn, selects not more than four scholars to represent the six states which compose a district. District VII is composed of California, Nevada, Utah, Arizona, Colorado, and New Mexico. The faculty committee makes its nominations early in the fall semester.

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 year book, *The Mirage*, are elected by the Publication Staffs. These staffs work under the general direction of the Student Publications Board of the University. 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 French Club, 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 co-operation 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 women's fraternities have formed a local Pan-Hellenic Association. The fraternities own or lease 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 Officers 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 offers courses leading to the degrees of Bachelor of Arts and Bachelor of Science, and also courses preparatory to law, medicine, and other professions. Work is offered in anthropology, archaeology, architecture, art, biology, chemistry, economics and business administration, English, French, geology, German, Greek, history, home economics, Latin, library science, mathematics, music, philosophy, physics, physical education, political science, psychology, and Spanish.

Relation to Other Colleges

Although the aim of the College of Arts and Sciences is in no sense vocational, it accepts a limited amount of credit, confined to certain specified courses, for work done in the other undergraduate colleges. Students expecting to make teaching their profession are advised to enroll in the College of Education. However, it is possible for a student in the College of Arts and Sciences to take enough work in Education to qualify for a teaching certificate. Students should always confer with their Dean and their major adviser before enrolling for a course in another college.

Graduation Requirements

The quantitative requirement for graduation is 128 hours, an hour being defined as one hour a week of classroom work for one semester, or the equivalent in laboratory work. This requirement is based upon the supposition that work is of C quality; the amount is increased or decreased for work of higher or lower quality (see page 35). Ninety hours of the total must be of C grade or better.

*Required Courses, Groups, Majors and Minors, and
Electives*

The curriculum is planned on the theory that during his first two years the student shall explore as widely as possible in various fields, in an effort to find one or more subjects in which he may wish to pursue advanced study. The last two years are devoted to the student's major interest, another subject of somewhat lesser interest, and such other subjects as interest and opportunity may lead him to take. Upon this theory, the courses which make up the curriculum are divided into prescribed courses, group requirements, major and minor requirements, and electives. (For revised requirements, effective on the class entering in 1931, see below, page 61.)

Required Courses

For required courses in Health, Physical Education, Contemporary Problems, and Public Assembly, see pages 36 and 37.

Group Requirements

(NOTE: Group requirements are to 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. Concerning the class entering in 1931, see below, page 61.)

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	Political Science
Economics	Philosophy
Education	Sociology
History	

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

(food courses only.)

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 toward 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.

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 academic 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 Scholarship, 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 35 and 57). If such candidates have completed a major study in Group IV, they may, upon request, receive the degree of Bachelor of Science.

Upper and Lower Division

Effective upon the freshman class entering in September, 1931, and upon all classes thereafter (including students transferred from other institutions), the normal four years of college work will be divided into two units of two years each, which will be designated the Upper Division and the Lower Division. Ordinarily, the work of the Lower Division will be completed in four semesters, and it must be completed within five semesters. A diploma will be presented to all students who successfully complete the following minimum requirements: (1) 62 hours; (2) the general requirements in Health, Physical Education, Contemporary Problems, and Assembly; (3) group requirements to the extent of 6 hours each of English, Social Sciences, and Mathematics or Sciences.

If, in addition to receiving the two-year diploma, a student wishes to proceed into the Upper Division, he must have completed the minimum requirements as to hours and general requirements as above; he must have completed all group requirements as described on page 58; and he must have an average grade of C for the two years. The requirement in foreign language is relaxed to the extent that a student who has entered the University without high school credit in language will be given one semester in the Upper Division in which to complete the foreign language requirement.

In the Upper Division the student who is a candidate for graduation will complete enough hours to fulfill the requirement of 128 hours and will comply with major and minor requirements (see above, page 59). Of the 128 hours, 54 must be earned after the receipt of the Lower Division diploma; at least 40 must be earned in courses numbered above 100; and 45 must be of C grade or better. Upon the completion of the work of the Upper Division, the degree of B. A. or B. S. will be conferred.

Students in the Lower Division will be required to confine themselves to courses numbered below 100. An exception will be made for foreign languages.

A student in the last semester of his Lower Division work, who lacks less than a full semester of completing the requirements for the diploma, may register for enough courses, beyond his actual requirements, to complete his program of studies; and credit so earned will be counted toward the fulfillment of Upper Division requirements.

General Curriculum

Freshmen should include on their programs of study, physical education, health, contemporary problems, English, a foreign language, a social science (Group III), and a science or mathematics (Group IV). If room is left in the program, additional courses may be taken in Art, Home Economics, Music, or Library Science.

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
Physical Education (5)	1	Physical Education (6)	1
Foreign Language	3-5	Foreign Language	3-5
Chemistry (1)	4	Chemistry (2)	4
Home Economics (11)	3	Home Economics (12)	3
Electives	0-3	Electives	0-3
Philosophy 1	2	Health	2

Second Year

First Semester		Second Semester	
Physical Education (55)	1	Physical Education (56)	1
Biology (1)	4	Biology (54)	4
Home Economics (53)	3	Home Economics (54)	3
Home Economics (61)	3	Home Economics (62)	3
Economics (15)	3	Economics (18)	3
Foreign Language or Electives		Chemistry (68)	3
		Electives	0-2

Third and Fourth Years

First Semester		Second Semester	
Physics (61)	3	Biology (93)	4
Home Economics (to complete major)		Home Economics (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.

Special attention is called to the Medical Aptitude Examination now required by the majority of leading medical colleges. This examination is to be taken in the last year of the pre-medical course, and is administered by the institution in which the pre-medical work is taken. Public announcement of the examination is made each year.

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 offers a variety of industrial plants in which our students are welcome.

Members of the freshman class make four inspection trips during the year to plants in and near Albuquerque. These trips are made under the supervision of a member of the faculty, with the help of guides supplied by the plant visited. Among the plants inspected by the freshmen are the Santa Fe Railroad Shops, the Santa Fe Tie Treating Plant, the Gilliland Oil Refinery, the George E. Breece Lumber Mill and Furniture Factory, and the Albuquerque Gas and Electric Plant.

The sophomores make trips to the Madrid Coal Mines, the Concentration Mill of the American Metal Company at Pecos, and Elephant Butte Dam.

Each year the junior and senior classes make an eight-day inspection trip through the state and neighboring points of interest. The expense of the trip averages from twenty-five to thirty dollars per student.

Two standard itineraries, made in alternate years, have been developed for these trips. As these are required of the 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, and El Paso, with its cement plant, smelter, and wood working mill.

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 are housed in the chemistry building, which includes 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.

MATERIALS TESTING LABORATORY

This laboratory is equipped for making tests of materials used in engineering practice, such as cement, concrete, stone, brick, tile, timber, steel, and other metals, etc. Tests are conducted by students to illustrate the properties of these materials. The laboratory is also used for research problems and, to a limited extent, for commercial testing. All equipment and all tests conform to accepted standards of engineering practice.

HYDRAULICS LABORATORY

The hydraulics laboratory is equipped to study the flow of water in open channels, through pipes and orifices and over weirs, illustrating the principles of hydraulics, as used in the theoretical courses and in courses in water supply, sewerage and drainage.

SURVEYING EQUIPMENT

Field work and office computations in surveying are conducted with modern equipment of the highest grade, such as are used in general engineering practice.

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.

Apparatus is available for demonstrations and experiments in radio, communications, signalling and remote control.

Close cooperation is maintained between the laboratories of the departments of Physics and Electrical Engineering so that the equipment of both these departments is available for each. Such cooperation has become necessary on account of the overlapping of Physics and Electrical Engineering in the growing applications of electricity to such varied fields as those of illumination, television, signalling, music, seismology, prospecting, medicine, and surgery, as well as to an unlimited number of control devices.

Year by year in addition to standard apparatus, an amount of special equipment is being added to the laboratory as for instance, a high voltage transformer for work on insulation and on corona losses, and an oscillograph with photographic recording device for the investigation of transient phenomena.

MECHANICAL ENGINEERING LABORATORIES

The laboratories of the Department of Mechanical Engineering are housed in Hadley Hall. The building is undergoing remodeling at the present time so as to conform to the prevailing Pueblo architecture on the campus. The pattern shop is well equipped with hand tools and wood working machines. The machine tool laboratory is designed to show the application of machine tools to the working of metals. Emphasis is placed on methods rather than on manipulative skill. Some aluminum castings are made from the patterns produced in the patterns shop. The drawing laboratories are being enlarged and equipped with

modern desks and lockers. An addition to Hadley Hall is now under construction. This new wing will house the steam and gasoline engine laboratories. Additional class rooms will be available for advanced drawing classes.

CURRICULA OFFERED BY THE COLLEGE OF ENGINEERING

COURSES OF STUDY FOR THE FRESHMAN YEAR COMMON TO ALL CURRICULA

NOTE.—In table 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
English 21	Rhetoric	3	0	3
Math. 17	Algebra and Trig.	5	0	5
M. E. 17	Mech. Drawing	0	6	2
Phil. 1	Contemporary Problems ..	2	0	2
P. E. 1	Physical Education	3	0	1
				17

Second Semester

Chem. 2	Inorganic	3	3	4
Eng. 22	Rhetoric	3	0	3
Math. 18	Trig. and Anal. Geom.	5	0	5
M. E. 18	Mech. Drawing	0	6	2
M. E. 4	Pattern Shop	0	6	2
Health 1	Personal Health	2	0	2
P. E. 2	Physical Education	3	0	1
				19

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

For work of first year see page 72.

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
M. E. 19	Desc. Geom. -----	1	6	3
P. E. 51	Physical Education -----	3	0	1
				—
				19

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 Tools -----	1	3	2
Elective	-----	3	0	3
P. E. 52	Physical Education -----	3	0	1
				—
				19

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. and P. of E. E. -----	2	3	3
Econ. 15	Prin. of Econ. -----	3	0	3
				—
				18

Second Semester

Chem. 62	Organic Laboratory -----	0	6	3
Chem. 101	Quan. Anal. -----	0	8	4
E. E. 106, 108	Strength of Materials -----	3	3	4
C. E. 108, 112	P. and P. of E. E. -----	2	3	3
M. E. 102	Heat Power -----	3	0	3
Econ. 18	Prin. of Econ. -----	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
				19
Total				149

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

For work of first year see page 72.

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
M. E. 19	Desc. Geom.	1	6	3
P. E. 51	Physical Education	3	0	1
				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 Tools	1	3	2
Elective		3	0	3
P. E. 52	Physical Educ.	3	0	1
				19

COLLEGE OF ENGINEERING

[75

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. and P. of E. E. -----	2	3	3
Elective	-----			4

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. and P. of E. E. -----	2	3	3
C. E. 116	Masonry -----	2	0	2

19

Fourth Year—First Semester

Biol. 131	Sanitary Bact. -----	0	4	2
C. E. 159	Stresses in Structures -----	1	6	3
C. E. 161	Water Supply -----	3	0	3
C. E. 167	Rein. Concr. -----	2	3	3
Eng. 65	Adv. Comp. -----	3	0	3
Geol. 103	Engineering Geol. -----	3	3	4

Second Semester

C. E. 160	Design of Structures -----	2	6	4
C. E. 164	Sewerage -----	2	0	2
C. E. 166	San. Design -----	0	6	2
C. E. 170	Cont. and Spec. -----	2	0	2
C. E. 172	Irrigation -----	2	0	2
C. E. 182	Seminar -----	2	0	2
Econ.	-----	3	0	3

17

Total -----

148

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

For work of first year see page 72.

Second Year—First Semester

Math. 53	Calculus -----	5	0	5
Physics 51, 53	General Physics -----	4	3	5
C. E. 51, 53	Elem. Surv. -----	2	6	4
M. E. 19	Desc. Geom. -----	1	6	3
P. E. 51	Physical Educ. -----	3	0	1
				<hr/>
				18

Second Semester

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

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. and Magnetism -----	2	0	2
Phys. 114	Elec. Measurements -----	0	6	2
M. E. 101	Thermodynamics -----	3	0	3
Econ.	-----	3	0	3
				<hr/>
				20

Second Semester

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

Fourth Year—First Semester—Contd.

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. 196	Transmission -----	2	0	2
C. E. 170	Cont. and Spec. -----	2	0	2
E. E. 198	Illumination -----	1	0	1
E. E. 200	Radio and Signalling -----	1	0	1
				—
				18
				—
	Total -----			150

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

For work of first year see page 72.

Second Year—First Semester

Geol. 1	Physical Geol. -----	3	0	3
Geol. 5	Physical Geol. Lab. -----	0	2	1
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. 51	Physical Educ. -----	3	0	1
				—

Second Semester

Geol. 2	Hist. Geol. -----	3	0	3
Geol. 6	Hist. Geol. Lab -----	0	2	1
Math. 54	Calculus -----	5	0	5
Phys. 52, 54	General Physics -----	4	3	5
C. E. 52, 54	Adv. Surv. -----	1	6	3
Geol. 54	Geog. of N. America -----	2	0	2
P. E. 52	Physical Educ. -----	3	0	1
				—
				20

Third Year—First Semester

Geol. 51	Mineralogy -----	1	3	2
E. E. 105, 107	P. and 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
M. E. 19	Desc. Geom. -----	1	6	3

18-20

Second Semester

Geol. 52	Mineralogy -----	1	3	2
E. E. 106, 108	P. and 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. -----	3	0	3

18-20

Fourth Year—First Semester

Geol. 105	New Mexico Geol. -----	0	6	2
Chem. 51	Qual. Anal. -----	0	10	5
Geol. 107	Petrology -----	2	2	3
Geol. 101	Econ. Geol. -----	3	0	3
Eng. 65	Adv. Comp. -----	3	0	3
Elective	-----	2	0	2

18

Second Semester

Geol. 106	Geol. Mapping -----	0	6	2
Chem. 52	Quan. Anal. -----	0	8	4
Chem. 110	Physical Chem. -----	5	0	5
Geol. 102	Econ. Geol. -----	3	0	3
Chem. 113	Metallurgy -----	2	0	2
Elective	-----	3	0	3

19

Total ----- 148-152

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

For work of first year see page 72.

Second Year—First Semester

Math. 53	Calculus -----	5	0	5
Phys. 51, 53	Physics -----	4	3	5
Econ. 15	Economics -----	3	0	3
M. E. 19	Desc. Geom. -----	1	6	3
M. E. 51	Machine Drawing -----	0	6	2
P. E. 51	Physical Education -----	3	0	1

Second Semester

Math. 54	Calculus -----	5	0	5
Physics 52, 54	Physics -----	4	3	5
M. E. 6	Machine Tools -----	1	3	2
Econ. 18	Economics -----	3	0	3
M. E. 52	Tool Design -----	0	6	2
M. E. 54	Materials -----	2	0	2
P. E. 52	Physical Educ. -----	3	0	1
				20

Third Year—First Semester

M. E. 101	Thermodynamics -----	3	0	3
M. E. 121	Seminar -----	1	0	1
E. E. 105, 107	P. and P. of E. E. -----	2	3	3
C. E. 105	App. Mechanics -----	4	0	4
M. E. 113	Rational Design -----	2	6	4
C. E. 51, 53	Surveying -----	2	6	4

Second Semester

M. E. 102	Thermodynamics -----	3	0	3
M. E. 122	Seminar -----	1	0	1
E. E. 106, 108	P. and 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
				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.	Technical Option -----	3	0	3
Eng. 65	Adv. Comp. -----	3	0	3

 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.	Technical Option -----	3	0	3
M. E. 132	Industrial Management -----	3	0	3
Elective	-----			3

 19

 Total ----- 149

College of Education

When the University of New Mexico was established by Act of the Legislature of the Territory, February 28, 1889, it took some time to get the site, buildings, and organization completed, so that the school was not opened to students until 1892. In that year, on June 15, the University was opened, and courses were offered at first in only the Normal or Teacher Training Department. Since the opening of the first department in the University and in the state, it has been the policy to offer teachers training courses in elementary education and later in secondary education, administration, etc.

In 1906, the Normal Department of the University was changed to the School of Education. The School of Education was continued as such until 1917, when it was merged with the regular College of Arts, Philosophy, and Sciences, with Dean Hodgins as chairman of the Department, Dean Hodgins having been head of the Teacher Training Department since 1897.

On March 12, 1928, the Board of Regents, on the recommendation of the faculty, established the College of Education. The demand for educational training had 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 the professional school, the University should be able to organize and set up better standards than those maintained 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 elementary and high 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. For the supervisors and school executives, however, it is advisable to major in Education.

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.

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.

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.

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.

No student will be admitted to the junior year of the College of Education unless he has maintained a "C" average in his previous college work.

Graduates of the standard (two-year) curriculum of state teachers' colleges who had graduated previously from a four-year high school (covering our requirements for entrance to the freshman class) are accorded 62 semester hours credit, including 16 semester 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 enter the College of Education to prepare for teaching 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 al-

most 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.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS IN EDUCATION AND BACHELOR OF SCIENCE 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. Beginning with the junior year, the candidate will be required to have an average standing of a "C" grade in all his college courses. At the end of any semester beginning with the junior year, a student will be dropped from the College of Education unless he has maintained a "C" average.
2. No student will be recommended for graduation unless he shows ability to write clear and correct English.
3. The senior must pass a comprehensive examination in educational subjects relative to his field of work.
4. The candidate must take at least 40 semester hours in courses numbered above 100 for graduation.
5. Students preparing to teach should follow the curricula as outlined. A total of 128 semester hours is required for graduation.
6. 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.

7. 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, Anthropology, Geology.
8. In addition to the required work in majors and minors, professorial courses in Education are required as outlined in the various curricula.
9. 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.
10. 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. Ninety hours of the total required for a degree must be of C grade or better.
11. The minimum amount of credit to be obtained in residence is thirty semester hours.

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 six additional credit hours must be earned in courses numbered above 50.
2. 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 six 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. The additional work in the major and minor fields must be of C grade or better.
3. 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. The subjects contained in this group are:

Anthropology
Economics
History

Political Science
Philosophy
Sociology

4. 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).

5. Some knowledge of health and sanitation as evidenced by a minimum of two semester hours of credit in a course in health or hygiene.
6. Four semester hours of credit in physical education.

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 years.

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 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.

Placement Bureau

A Placement 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 Placement Bureau will recommend the best available person for the position. The University reserves the right of refusing to extend its co-operation to students who apply for positions for which they are manifestly unfit.

The Placement 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 Placement Bureau. Registration must be renewed yearly, preferably during February or March. Communications should be addressed to the Placement Bureau, University of New Mexico, Albuquerque, New Mexico.

Program of Studies

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.

Extension Division

The Extension Division of the University of New Mexico is a member of the National University Extension Association and is under the supervision of the College of Education. A special bulletin has been issued giving the courses

offered in the various departments of the colleges of the University.

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

Standards

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.

Certification of Teachers

Rules and regulations pertaining to elementary and secondary certificates may be obtained from the State Department of Education.

Curricula

The following curricula have been outlined for the purpose of directing students in their chosen fields of work. The curriculum for students preparing to teach in high schools meets the requirements of the North Central Association of Secondary Schools and Colleges and also the requirements in New Mexico and other states in the Rocky Mountain region.

There are also curricula which pertain to students who wish to teach in the elementary schools. Courses are outlined for those who will remain in the University for the

full four years as well as for those who plan to leave the University at the end of the second year and qualify for the Five Year Professional Certificate.

Special curricula are provided for those preparing to teach Music or Physical Education in public schools.

The Physical Education curricula have been especially designed for the preparation of Directors of Physical Education for men and women in high schools.

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 21	3	English 22	3
Education 31	2	Science	3-5
Science	3-5	Social Science	3
Social Science	3	Foreign Language	3-5
Foreign Language	3-5	Physical Education	1
Physical Education	1	Health	2
Study Problems	2		

Sophomore Year

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
N. M. History and Civics	3	Social Science	3
Foreign Language	3	Foreign Language	3
Physical Education	1	Physical Education	1
Electives	3	Electives	3

Junior Year

Education 101 or 102	3	Education 153	3
Education 141	3	*Teachers Course	3
Majors and Minors	7-8	Majors and Minors	5-6
Electives	3-6	Electives	3-6

*According to advice of Dean.

Senior Year

*Teachers Course	3	Education 156	1-5
Majors and Minors	5	Majors 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	
English 21	3	English 22	3
Education 31	2	Education 42	3
Science	3-5	Science	3-5
Social Science	3	Social Science	3
Foreign Language	3-5	Foreign Language	3-5
Physical Education	1	Physical Education	1
Study Problems	2	Health	2

Sophomore Year

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
†N. M. Hist. and Civics	3	Social Science	3
Foreign Language	3	Foreign Language	3
Education 61	3	Education 62	3
Physical Education	1	Physical Education	1

Junior Year

Education 63	2	Education 116 (Psychology)	3
Majors and Minors	13-15	Majors and Minors	12-14

Senior Year

Three hours chosen from the following:

Education 183 (Psychology)	3	Education 64	4
Education 185 (Psychology)	2	Majors and Minors	11-13
Education 101 or 102	3		
Majors and Minors	12-14		

*According to advice of Dean.

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

CURRICULUM FOR THE TWO YEAR COURSE

Students who plan to leave 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	
English 21	3	English 22	3
Education 31	2	Education 42	3
Science	3-5	Science	3-5
Social Science	3	Social Science	3
Foreign Language	3-5	Foreign Language	3-5
Study Problems	2	Health	2
Physical Education	1	Physical Education	1

Sophomore Year

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
Education 61 or 63	3	Education 64	4
N. M. History and Civics	3	Education 62	3
Foreign Language	3	Foreign Language	3
Physical Education	1	Physical Education	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 of 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. This curriculum will lead to the Bachelor of Arts degree in the College 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 these courses at least four semester hours' work should be done in Ensemble Music, voice or instrumental.

Practice teaching, as required in the second semester of the fourth year, will include practice and observation of music teaching and supervision in either the elementary grades or high school.

CURRICULUM IN PUBLIC SCHOOL MUSIC

Freshman Year

First Semester		Second Semester	
English 21	3	English 22	3
Foreign Language	4-5	Foreign Language	4-5
Physical Education	1	Physical Education	1
Education 31	2	Health	2
Study Problems	2	Applied Music	2
Applied Music	2	Science	3
Science	3		

Sophomore Year

English	3	English	3
Foreign Language	3	Foreign Language	3
Psychology 51	3	Education 54 (Psychology)	3
Physical Education	1	Physical Education	1
Applied Music	2	Music 2	2
Music 1	2	Music 62	2
Music 61	2	Science	3

Junior Year

For the junior year, elementary teachers should take Education 61 and 62 and high school teachers should take Education 101 or 102 and Education 141.

Education 61, 101 or 102	3	Education 141 or 116	3
Science	3	Science	3
Applied Music	2	Applied Music	2
Music 173	3	Music 52	2
Music 51	2	Music 174	3
Social Science	3	Social Science	3

Senior Year

For the senior year elementary teachers should take Education 64, and high school teachers should take Education 153 and Education 156.

Education 153	3	Education 64 or 156	1-5
Music 101	2	Music 102	2
Music 177	2	Applied Music	2
Music 163	2	Music 178	2
Music 179	2	Music 164	2
Electives	2-3	Music 180	2
Music 161	2	Music 162	2
		Electives	2-3

CURRICULUM FOR MEN STUDENTS PREPARING TO BE PHYSICAL DIRECTORS

Four-year curriculum for men preparing to teach Physical Education in high schools and leading to the Bachelor of Science degree in Physical Education.

Freshman Year

First Semester		Second Semester	
English 21	3	English 22	3
Chemistry 1	4	Chemistry 2	4
Education 31	2	Physical Education 22	2
Physical Education 21	2	Physical Education 2	1
Physical Education 1	1	Social Science	3
Social Science	3	Health	2
Study Problems	2		

Sophomore Year

English 55	3	English 58	3
Psychology 51	3	Education 54 (Psychology)	3
Physical Education 61	2	Physical Education 62	2
Physical Education 51	1	Physical Education 52	1
Biology 1	4	Biology 54	4
Electives	3-4	Electives	4

Junior Year

Biology 98	4	Biology 112	3
Education 141	3	Education 153	3
Physical Education 161	2	Physical Education 102	2
Education 101 or 102	3	First Aid	2
Electives	4-5	Electives	6-7

Senior Year

Physical Education 101	2	Physical Education 162	2
Physical Education 135	2	Physical Education 136	2
Physical Education 163	3	Education 156	4
Physical Education 173	3	Physical Education 172	3
Electives	6-7	P. E. 186 Seminar and Thesis	2
		Electives	3-4

CURRICULUM FOR WOMEN STUDENTS PREPARING TO BE PHYSICAL DIRECTORS

Four-year curriculum for women preparing to teach Physical Education in high schools and leading to the Bachelor of Science degree in Physical Education.

Freshman Year

First Semester		Second Semester	
English 21	3	English 22	3
Chemistry 1	4	Chemistry 2	4
Education 31	2	Physical Education 6	1
Physical Education 5	1	Social Science	3
Social Science	3	Health	2
Study Problems	2		

Sophomore Year

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
Physical Education 65	2	Physical Education 66	2
Physical Education 55	1	Physical Education 56	1
Biology 1	4	Biology 54	4
Electives	4	Electives	3-4

Junior Year

Biology 93	4	Biology 112	2
Education 141	3	Education 153	3
Physical Education 105	3	Physical Education 106	3
Physical Education 107	2	Physical Education 108	2
Education 101 or 102	3	First Aid	2
Electives	2	Home Economics (Nutrition)	2
		Electives	2-3

Senior Year

Physical Education 155	3	Physical Education 156	3
Physical Education 157	4	Physical Education 172	3
Physical Examination and Anthropometry	3	Physical Education 166	3
Electives	6-7	Education 156	4
		Electives	3-4

Curriculum for Administrators and Supervisors

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

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. The Graduate School was organized in 1919. The organization consists of the Dean of the Graduate School, the Committee on Graduate Instruction, and the Graduate Faculty.

The Committee on Graduate Instruction consists of the Dean 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 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 Graduate School for enough work to complete his schedule.

Students are admitted to Graduate School by the Dean, 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 Dean 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. This fund was continued for 1930-1931, and the recipient, Mr. Arthur Campa, is continuing the work at Columbia University.

Registration and Enrollment

Students who have been admitted to the Graduate School by the Dean, 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 Dean, 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 Dean 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 Dean for final approval.

Students who do not expect to become candidates for advanced degrees may enroll with the Dean 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 Dean.

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 conference with the Dean 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 Dean 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 re-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 toward 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 Dean 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 Dean, 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 Dean of the Graduate School, two additional blank forms obtained from the Dean. 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.

Foreign Languages

It lies within the province of the department to require a reading knowledge of any language that is necessary for the problems undertaken by any student.

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 a committee of not less than three members, one of whom shall be from a department other than the candidate's major. The finished thesis should be in the hands of the special committee not later than May tenth.

The candidate must pass a final examination, oral, written, or both, conducted by professors in charge of major and minor subjects, and other members of the Graduate Faculty appointed by the Dean 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; 101-200, to juniors, seniors, and graduates; 201-300, to graduates only.

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 co-operation 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 prehistoric 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 FRESHMEN AND SOPHOMORES

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. 2 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 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 JUNIORS, SENIORS, 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.

300. *Thesis.* Directed investigation of assigned problems applied on the thesis requirement. 2 or more credit hours.

DEPARTMENT OF ART

DOROTHEA FRICKE, *Instructor. (B.A.E. to be conferred in June, 1931)*

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.*

NILS HOGNER, *Part-time Instructor in Portrait Painting.*

Major Study. A major study consists of Art 15, 16, 55, 56, and 20 additional hours.

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

Students enrolled in the College of Education who wish to major in Art and teach art in the public schools should take courses 15, 16, 25, 32, 51, 52, 53, 54, 55, 56, 62, 91, 92, and 97.

Students enrolled in the College of Education who wish to minor in Art should take Art 15 and Art 16, and 15 additional hours selected from the courses suggested for a major.

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.

Fees for Art 15, 16, 27, 28, 55, 56, 57, 58, 62, 65, 67, 68, 81, 82, 115, 116, 127, 128, 155, 156, 181, 182—\$2.00 per credit hour.

Fees for Art 66, 71, 74, 75, 76, 171, 172, 85, 86, 185, 186—\$10.00 per semester. (If possible, fees for these courses will be reduced to \$2.00 per credit hour in 1931-1932.)

Fee for Art 161-162, credit 1 to 4 hours—\$10.00 or \$20.00 per semester.

Fee for University of New Mexico School of Painting at Taos—\$25.00 for resident students and \$35.00 for non-residents with an additional \$5.00 for any student who has not previously matriculated at the University of New Mexico.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

Art 15. *Art Structure*. A study of the principles of design and color to develop the power of appreciation and the ability to create good design. 3 credit hours.

Art 16. *Art Structure*. Practical application of the fundamental principles of perspective and of composition to drawing and design. 3 credit hours.

25. *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.

- 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.
32. *Interpretation of Art*. General non-technical survey designed to give a foundation for an appreciation of art. 2 credit hours.
51. *History of Painting*. Study of the work of Italian, Dutch, German, Spanish, French, and American painters. 2 credit hours.
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.
- 53-54. *Architectural History*. Ancient, Mediaeval, and Italian Renaissance. 1 credit hour each semester.
- 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 each semester.
- 57-58. *Architectural Design*. Continuation of 27-28. 3 credit hours each semester.
62. *Applied Design*. Study of design and its practical application to stenciling, decorative leather, batik, and basketry. Prerequisite: Art 15. 3 credit hours.

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.
66. *Block Printing.* Design, cutting, and printing of linoleum blocks. 2 credit hours.
67. *Costume Design.* A study of historic dress and of the principles underlying the designing of costume for different types and occasions. Problems in selecting and designing. Prerequisite: Art 15. 3 credit hours.
68. *Interior Decoration.* Principles and practice of interior decoration. Drafting and making interior sketches in color. Prerequisite: Art 15, 16. 3 credit hours.
71. *General Commercial Art.* Application of the principles of art in commercial use touching on both the advertising and newspaper fields. All work is done as for reproduction. This course will, if possible, include a trip to the local engraving company to inspect and understand at first hand, methods of reproduction. 2 or 3 credit hours.
74. *Poster Art.* (Same as Art 73 in 1929-30 catalogue). Also Art 74s. The technique of making advertising posters in tone and color, with particular attention to lettering and layout. 2 or 3 credit hours.
75. *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.
- 81-82. *Sculpture-Composition.* Principles of construction and composition. Individual criticisms of original work (same as 78 in 1929-30 catalogue). 1 credit hour each semester.

- 85-86. *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 each semester.
91. *Methods of Teaching Art.* Includes drawing and methods for grades one to four. Formerly Art 95. 2.5 credit hours.
92. *Methods of Teaching Art.* Includes drawing and methods for grades five to eight. Formerly Art 95. 2.5 credit hours.
97. *Methods of Teaching Clay Modeling.* The aim of this course is to give the elementary teacher the fundamental principles of clay modeling, that he may be enabled to teach the subject efficiently. Instruction in the use of New Mexico clay will be given. The course includes both modeling and lecture work. 2.5 credit hours.

FOR JUNIORS AND SENIORS

- 115-116. *Drawing and Painting.* Charcoal, water color and oil work, from still-life, landscape, and figure subjects. Prerequisite: Art 56. 3 credit hours each semester.
125. *Indian Art.* Prerequisite: Art 25. 2 credit hours.
- 127-128. *Architectural Design.* Continuation of 57-58. 3 credit hours each semester.
- 155-156. *Life and Head Life Drawing.* Continuation of 55-56. Prerequisite: Art 56. 3 credit hours each semester.
- 161-162. *Landscape and Portrait Painting.* 1 to 4 credit hours each semester. (Numbered 121-122 in 1929-30 catalogue.)

- 171-172. *Advertising Problems.* The student is given the text and description of advertisements exactly as they would come to the artist in an advertising agency. He works these out from rough layout to finished engraver's drawing under the guidance and criticism of the instructor. Criticism and progress are individual. Prerequisite: Art 71 or its equivalent. 2 or 3 credit hours each semester.
- 181-182. *Sculpture-Composition.* Continuation of 81-82. 1 credit hour each semester.
- 185-186. *Sculpture.* Continuation of 85-86. 3 credit hours each semester.

Field School: University of New Mexico School of Painting at Taos.

From June 22 to July 18 a painting class will be taken to Taos. The following Taos artists will act as critic teachers for this class: K. Adams, O. E. Berninghaus, E. L. Blumenschein, H. Dunton, V. Higgins, W. Lockwood, B. Phillips, J. H. Sharp, and Walter Ufer.

Application for membership in this class and a deposit of \$5.00 should be made before the first of June. For further information see circular, or address Head of Art Department, University of New Mexico.

Tuition is \$25.00 for resident students and \$35.00 for non-residents, with an additional \$5.00 for students who have not previously matriculated in the University of New Mexico.

INDIAN ART EXPERIMENT

The University, in cooperation with the Federal Government, is conducting an experiment in Indian art education. Twelve Indian students from the ages of fifteen to twenty-five receive art instruction at the University.

The purpose of this work is to train and develop a small group of students representative of the different pueblos

and tribes of the Southwest in the arts and crafts native to their own culture. This training is expected not only to revive the use of the traditional Indian designs, but to develop new outlets and uses for this knowledge. This experiment will make available trained Indian teachers to instruct their own people, which is in accord with the present policy of the Department of the Interior.

DEPARTMENT OF BIOLOGY

EDWARD F. CASTETTER, PH.D., *Professor.*

FRED W. ALLEN, M.S., *Assistant Professor.*

VOLNEY H. JONES, B.A., *Graduate Fellow.*

ELEANOR DIMMITT, B.A., *Graduate Fellow.*

HERBERT REITER, *Student Assistant.*

ALBERT AMADOR, *Student Assistant.*

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 instruc-

tion 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 numbered above 50, in addition to courses 1 and 14, or 5 and 6, and including courses 52, 99, and 198. Philosophy 156 (History of Philosophy) is strongly recommended.

Minor Study. 12 credit hours in courses numbered above 50, including 1 and 14, or 5 and 6, also courses 52, 99, and 198. Philosophy 156 (History of Philosophy) is strongly recommended.

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

PRIMARILY FOR FRESHMEN AND SOPHOMORES

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. *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.

6. *General Biology.* This course is a continuation of course 5. Three lectures and one laboratory period per week. 4 credit hours. Fee \$1.00.
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 biology. One two-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. 2 credit hours.
- 52A, B. *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. A, three lectures per week; 3 credit hours. B (night course), 2 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. Fee \$6.00.
55. *General Embryology.* Principles and process of chordate development as represented by the chick and pig, with special reference to man. Prerequi-

- site: Biology 1, or Biology 5 and 6. Two lectures and two two-hour laboratory periods per week. 4 credit hours. Fee \$6.00.
56. *Human Embryology.* A course for students not majoring in biology, who are interested in the changes which the human embryo undergoes from time of fertilization to birth. This includes consideration of the many misconceptions dealing with reproduction and human development. Two lectures per week. 2 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 principle of evolution from the time of the Greeks to the present, and the various developments resulting from investigations of modern science. 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 JUNIORS, SENIORS, AND GRADUATES

111. *Medical Zoology.* A study of animals that cause disease in man, their life histories, diagnoses, clinical symptoms, and prevention. Prerequisites: Biology 1, or 5 and 6, and 54. Two lectures and

two laboratory periods per week. 4 credit hours.
Fee \$6.00.

112. *Human Anatomy.* A study of the gross anatomy of the human body. Emphasis will be placed upon the arrangement, function, and behavior of the muscles. Students will be required to assist in dissection. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.

122. *Comparative Vertebrate Anatomy.* A study of representative vertebrates from a comparative point of view. Required for pre-medical students. Prerequisites: Biology 54 and 55. Two lectures and two 3-hour laboratory periods per week. 5 credit hours. Fee \$9.00.

123. *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. Fee \$6.00.

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

133. *Sanitary Bacteriology.* A course for engineers. A 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. Fee \$6.00.

141. *Histological Technique.* Methods of fixing, imbedding, sectioning, and staining animal or plant tissues for microscopic study. Prerequisite: Biol-

COURSES IN DEPARTMENTS OF INSTRUCTION [117

- ogy 1, or Biology 5 and 6, or Biology 14. 3 credit hours. Fee \$9.00.
146. *Problems.* Individual investigation in Zoology or botany for properly qualified upperclassmen. 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. Fee \$6.00.
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.
198. *Fundamental Concepts of Biology.* A consideration of the trend of scientific thought from the time of the early Greeks to the present, with special emphasis on the philosophic aspects of biology. Prerequisites: 15 hours of biology, including courses 52 and 99. Philosophy 156 (History of Philosophy) is strongly recommended. 3 or 4 credit hours.

FOR GRADUATES ONLY

- 201A, B. *Seminar.* Meetings of the Biology staff and graduate students to discuss recent literature, research problems and other topics of biological interest. One meeting per week. 1 credit hour.
- 251A, B. *Problems.* Individual investigation on special assigned topics. 3 credit hours.
- 261A, B. *Research in Systematic Botany.* 3 credit hours.
- 271A, B. *Research in Plant Ecology.* 3 credit hours.
- 300A, B. *Thesis.* 3 credit hours.

BUSINESS ADMINISTRATION

See *Economics and Business Administration*

DEPARTMENT OF CHEMISTRY

JOHN D. CLARK, Ph.D., *Professor*.

*VEON C. KIECH, M.S., *Assistant Professor*.

MAYNARD L. BOWEN, M.S., *Instructor*.

S. B. LIPPINCOTT, M.S., *Instructor*.

JOHN E. PILCHER, *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 accommodating two hundred students. A large freshman laboratory, a laboratory for qualitative analysis, and a quantitative and organic laboratory occupy the larger portion of the building. A small special laboratory, a chemistry library, a balance room, offices, stock rooms, lavatories, locker rooms, and apparatus room, together with a large recitation room, make up the total space devoted to chemistry within the

*On leave of absence, 1930-31.

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.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

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,

*Courses marked with an asterisk are offered both semesters.

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, 4 hours per week. 2 credit hours. Fee \$6.00.
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.
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.

COURSES IN DEPARTMENTS OF INSTRUCTION [121

FOR JUNIORS, SENIORS, 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. (Not offered 1931-32.)
- 110A. *Physical Chemistry Laboratory.* One period a week. 1 credit hour. Fee \$3.00. (Not offered 1931-32.)
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. (Not offered 1931-32.)
113. *Metallurgy.* This course consists of lectures describing the process employed in the smelting of iron, lead, copper, zinc, silver, gold, etc. Prerequisite: Chemistry 1, 2, 51, and 112. 2 credit hours. (Not offered 1931-32.)
- 151-152. *Quantitative Analysis.* Continuation of 102. Laboratory, 10 hours per week. 5 credit hours each semester. Fee \$3.00 per credit hour.
160. *Chemistry Seminar.* 1 or more hours.

FOR GRADUATES ONLY

300. *Thesis.*

DEPARTMENT OF CIVIL ENGINEERING

J. H. DORROH, B.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. *Railroad Engineering.* The principles of economic location of railroads. To accompany C. E. 103. Prerequisite: C. E. 52. 3 hours recitation per week. 3 credit hours.
103. *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.

101. Prerequisite: C. E. 52. 3 hours field work per week. 1 hour credit. Fee \$2.00.
105. *Applied Mechanics.* The mechanics of engineering problems. Statics, 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 summer 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.
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. 2 hours recitation per week. 2 credit hours.

112. *Strength of Materials Laboratory.* Materials testing dealing with the inspection and proper use of the materials of construction, including timber, iron, steel, masonry, cement, and concrete. To accompany C. E. 108. 3 hours laboratory per week. 1 credit hour. 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.
116. *Masonry.* The study of the nature of bricks, stone, lime, clay products, cement, gravel, and concrete. The methods of constructing culverts, retaining walls, arches, and foundations. Prerequisite: C. E. 108. 2 hours recitation per week. 2 credit hours.
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. *Stresses in Structures.* Elements of graphic and analytic statics. Determination of stresses in beams, roof trusses, and bridges. Prerequisite: C. E. 108. 1 hour recitation and 6 hours drawing and computation per week. 3 credit hours. Fee \$2.00.
160. *Design of Structures.* 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 computation 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, and com-

putation of necessary storage. A study of the principles of design of dams, conduits, and distributing systems. Conditions affecting the quality of water and methods of purification. Prerequisite: C. E. 110. 3 hours recitation per week. 3 credit hours.

164. *Sewerage.* Instruction in the principles involved in the design and construction of sewers; the disposal of sewage and garbage, 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. 2 hours recitation and 3 hours computation per week. 3 credit hours.
170. *Contracts and Specifications.* The law governing engineering practice, contracts, specifications, and ethical relations. 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

VERNON G. SORRELL, Ph.D., *Associate Professor.*

THOMAS L. POPEJOY, M.A., *Assistant Professor.*

RAYMOND STUART, B.S., *Graduate Fellow.*

THOMAS L. YATES, B.J., *Part-time Instructor.*

Group Requirements. Courses 30, 51, 52, and 43 are accepted toward the requirements of Group III.

Major Study. A major in the department consists of 24 hours in addition to courses 51, and 52, and must include course 160. Courses 43 and 63 do not count toward a major.

Minor Study. A minor in the department consists of 12 or more hours in addition to courses 51 and 52, but not including courses 30 and 43.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

30. *Economic History of the United States.* A review of the development of American economic organization. Does not count toward fulfilling major or minor requirements. No prerequisite. 3 credit hours.
43. *Economic Resources.* A general survey of the basic economic resources of the world, with special reference to the Southwest of the United States. Designed primarily for freshmen who intend to pursue further courses in the department. Does not count toward fulfilling major or minor requirements. No prerequisite. 3 credit hours.
- 51-52. *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 unless otherwise indicated. Credit not given for either semester separately. 3 credit hours each semester.

- 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 each semester.
- 61-62. *Business Law.* Contracts, negotiable instruments, agency, real property, partnership, sales, guaranty and suretyship, insurance. Prerequisite: Sophomore standing. 3 credit hours each semester.
- 70. *Marketing.* The place of marketing in the economic system. Modern organization, institutions, and methods. Prerequisite: Economics 51. 3 credit hours.

FOR JUNIORS, SENIORS, 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 each semester.
- 106. *Mathematics of Investments.* (See Math. 106). Given by the Mathematics Department but accepted toward the major in Economics and Business Administration. Prerequisite: Mathematics 17. 3 credit hours.
- 109. *Statistics.* The collection, arrangement, and interpretation of statistical material relating to business operations. Prerequisite: Economics 51 and 52. 3 credit hours.

110. *Corporation Finance.* The financial organization and policies of the modern corporation. Prerequisite: Economics 51 and 52.
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.
119. *Principles of Advertising.* A practical introduction to principles and practice of professional advertising. Sophomores admitted by special permission. 2 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 51 and 52. 3 credit hours.
152. *Public Finance.* The theory and practice of taxation, governmental borrowing, financial administration, and public expenditures. Prerequisite: Economics 51 and 52. 3 credit hours.
160. *Economic Theory.* A critical survey of methods of inquiry in the field of Economics, of theories of property, value, price, wages, interest, rent, and profits. Required of all majors in the department. Prerequisites: Economics 51 and 52 and permission of the instructor. 3 credit hours.

FOR GRADUATES ONLY

- 251A, B, C. *Seminar in Economics.* 2-4 credit hours.
- 259A, B, C. *Problems.* 2-4 credit hours.
300. *Thesis.*

DEPARTMENTS OF EDUCATION

- SIMON P. NANNINGA, PH.D., *Professor.*
 BENJAMIN F. HAUGHT, PH.D., *Professor.*
 JAY C. KNODE, PH.D., *Professor.*
 LOYD S. TIREMAN, PH.D., *Associate Professor.*
 JOHN W. DIEFENDORF, PH.D., *Associate Professor.*
 JOHN E. SEYFRIED, PH.D., *Assistant Professor.*
 JAMES T. REID, M.A., *Assistant Professor.*
 RICHARD M. PAGE, *Assistant Professor.*
 D. W. ROCKEY, *State Supervisor of Industrial Education.*
 C. S. CONLEE, *Graduate Fellow.*

High school and elementary teachers should select a major and minor outside of the professional courses in Education.

Students preparing to become administrators, supervisors, high school teachers or elementary teachers should refer to the respective curricula.

MISCELLANEOUS AND GENERAL COURSES IN EDUCATION

PRIMARILY FOR FRESHMEN AND SOPHOMORES

31. (formerly 103) *Introduction to Education.* This course is an introduction to the various fields of education. It takes up the typical phases of the organization and administration of public schools with present day problems as they relate to citizens and teacher. Lectures, following a text, and assigned readings and reports. 2 credit hours.
73. *Vocational Education.* A study of the National Vocational Education or the Smith-Hughes Act, with practical problems in the organization and administration of state programs. 2 credit hours.

74. *Vocational Education.* A study of the New Mexico State Plan for Vocational Education as prepared under the provisions of the National Act, with practical problems in the promotion and administration of local programs. 2 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

101. (formerly 51.) *History of Education in Europe.* A study of the development of educational practices and systems through the Greek, Roman, medieval, and modern periods in Europe, with the main emphasis upon the post-renaissance period. Study of text and sources, with discussions. 3 credit hours.
102. (formerly 52.) *History of Education in America.* A study of the evolution of American educational ideals and practices, with special reference to the origin and development of those features of our present day practices which are most characteristically American. Study of text and sources with discussions. 3 credit hours.
109. (formerly 139.) *Educational Sociology.* A practical treatment of the sociological aspects of school problems. Studies are made of education as a civic enterprise; the social background as a basis for determining educational objectives; specific objectives of different phases of the curriculum; problems of public control; the nature and needs of the school population; analysis of curricula and extra-curricula programs as training for social control. 2 credit hours.
112. (formerly 150a.) *Current Educational Problems.* A seminar type study and discussion of current problems in education. A course designated to acquaint students with educational thought appear-

- ing in leading journals, periodicals, bulletins, and reports. More than one semester's work is recorded as 112b, 112c, etc. 2 credit hours.
115. (formerly 157.) *Educational and Vocational Guidance*. A course in principles, methods, and literature of educational and vocational guidance. Consideration will be given to the methods of educational and vocational guidance in high schools and to the organization and administration of a vocational guidance program for high school teachers and principals. 2 credit hours.
176. *Philosophy of Education*. A review of the points of view of Finney, Kilpatrick, Martin, Sisson, Bode, Dewey, and others, together with the application of the principles to local systems and conditions. 3 credit hours.

FOR GRADUATES ONLY

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

DEPARTMENT OF ELEMENTARY EDUCATION

PRIMARILY FOR FRESHMEN AND SOPHOMORES

42. (formerly 137.) *Classroom Organization and Management*. The problems of attendance, order, promotion, recitation, and study hours; testing results; growth and health of the teacher. 3 credit hours.

61. (formerly 121b.) *Supervision of Elementary Education I.* The work deals with the Teaching of Reading in the first three grades. Methods of teaching, construction of supplementary material, diagnosis, and remedial work. 3 credit hours.
62. (formerly 221.) *Supervision of Elementary Education II.* A continuation of Education 61, dealing with Methods of Teaching History, Geography, and Arithmetic; an analysis of current textbooks and construction of units of drill work. 3 credit hours.
63. *Supervision of Elementary Education III.* The work deals with the Teaching of Reading in the 4th, 5th, and 6th grades. Methods of teaching. Diagnosis and remedial work. 2 credit hours.
64. *Practice Teaching in the Elementary Grades.* This course consists of observation of methods and actual class room teaching experience under supervision. 4 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

122. *Supervision of the Language Arts in the Primary Grades.* Designed to give a general foundation in the supervision of the Language Arts (Reading, Language, Spelling.) Units of work such as the preprimer period, vocabulary, seatwork, individual vs. group work, silent reading, individualized spelling, etc., will be considered. 2 credit hours.
123. *Supervision of the Language Arts in the Intermediate Grades.* Designed to give a general foundation in the supervision of the Language Arts in the intermediate grades. Type studies, the use of the content subjects, remedial work, etc., will be considered. 2 credit hours.
132. *Supervision of the Social Sciences.* Not offered in 1930. A course dealing primarily with the method

involved in the teaching of history and geography. Special attention will be given to teaching by problems and the socialized recitation. 2 credit hours.

135. *Supervision of Arithmetic.* Offered First Semester 1930-31. The construction of units of drill work, analysis of textbooks, remedial work, etc. 2 credit hours.

FOR GRADUATES ONLY

251. *Special Problems in Elementary Education.* An investigation or experimental problem in research selected by the student and approved by the instructor.
300. *Master's Thesis in Elementary Education.* 3 credit hours.

DEPARTMENT OF SECONDARY EDUCATION

FOR JUNIORS, SENIORS, AND GRADUATES

141. *Principles of Secondary Education.* A course dealing with the aims, purposes, and general principles which apply to secondary education as a whole. 3 credit hours.
142. *High School Curriculum.* Principles and procedures in curriculum-making as applied particularly to programs in both the junior and senior high schools. 3 credit hours.
144. *The Junior High School.* The course consists of lectures, outside readings and reports, and deals with the history of the junior high school movement, the advantages and disadvantages of the junior high school, and some of the problems arising from its organization and administration. 2 credit hours.

147. *Extra-curricular Activities in the Secondary School.* A study of the guiding principles of pupil participation in the extra-curricular life of the junior and senior high schools. Problems of organizing, administering, and financing student councils, school clubs, publications, dramatics, fraternities, athletics, etc., are considered. 3 credit hours.
153. *High School Methods.* A course dealing with the relationship of problems and principles of education to the principles of teaching in secondary schools; treating the aims of the educative processes, types of lessons, questioning, discipline, lesson plans, supervision and its purposes. 3 credit hours.
156. (formerly 167.) *Practice Teaching in High Schools.* Open to seniors who have had 153 (formerly 146) and recommended for all students preparing for high school teaching. The course consists of observation of methods and actual classroom teaching experience under supervision. 4 credit hours.
158. *High School Supervision.* A course dealing with the principles and practices of supervision. A fundamental purpose of the course is to develop an appreciative attitude toward supervision on the part of the high school teacher. Open to high school teachers and administrators. 3 credit hours.
159. *Directed Study.* The theory and practice of directing pupil study. A course designed to give practical assistance to the teacher who has charge of a class during a lengthened period and to supervisors of such teachers. Limited to advanced undergraduate and graduate students. 3 credit hours.

FOR GRADUATES ONLY

- 251. *Special Problems in Secondary Education.* An investigation or experimental problem in research selected by the student and approved by the instructor.
- 300. *Master's Thesis in Secondary Education.* 3 credit hours.

DEPARTMENT OF EDUCATIONAL
ADMINISTRATION

FOR JUNIORS, SENIORS, AND GRADUATES

- 161. *New Mexico School Law.* A study of the New Mexico statutes on education and the Rules and Regulations of the New Mexico State Board of Education. The present laws are analyzed and evaluated in the light of the best American theories and practices. Common law principles of interest and importance to teachers and administrators, especially those embodied in the decisions of the New Mexico Supreme Court are also studied. 3 credit hours.
- 163. (formerly 149.) *State School Administration.* The organization and administration of state school systems. The course includes a study of such topics as federal and state policy, forms of control. 3 credit hours.
- 164. (formerly 147.) *City School Administration.* A study of the educational, financial, and administrative principles underlying the administration of school systems in cities. 3 credit hours.
- 166. (formerly 148.) *Principal and His School.* A course dealing with the organization and adminis-

tration of a single school, the organization and supervision of instruction as applied to the elementary school principal, the junior high school principal, and high school principal. 3 credit hours.

171. *Problems of the Teaching Profession.* A study of the principles of educational administration and organization as applied to the duties and responsibilities of the class-room teacher. 3 credit hours.
176. *Research Methods in Education.* A foundation course in research methods in education. Such matters as technique and tools of research, sources of information, selecting and defining problems, collecting data, formulating conclusions, and reporting findings are stressed. Research studies selected on the basis of the interests of the individual students are analyzed and evaluated. 3 credit hours.
178. *Seminar in Educational Administration.* Limited to advanced and graduate students whose interest is educational administration. Topics chosen according to interest of students enrolled. Admission on consultation with the instructor. More than one semester or work is recorded as 178a, b, etc. 2 credit hours.

FOR GRADUATES ONLY

251. *Special Problems in School Administration.* An investigation or experimental problem in research selected by the student and approved by the instructor. More than one semester of work is recorded as 251b, c, etc. 2 or 3 credit hours.
300. *Master's Thesis in School Administration.* 3 credit hours.

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

PRIMARILY FOR FRESHMEN AND SOPHOMORES

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.
54. *Educational Psychology: Elementary.* Heredity and environment; kinds of learning and factors influencing learning; individual differences; the transfer 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.

FOR JUNIORS, SENIORS, AND GRADUATES

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.
183. *Psychology of Learning: 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.

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.

FOR GRADUATES ONLY

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, F.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, rectifiers, A. C. motors, synchronous converters, and regulators. Prerequisite: E. E. 102. 4 hours recitation and problem work per week. 4 credit hours each.

155-156. *Alternating Current Machinery Laboratory.* Experimental work in the determination of the characteristics of the various types of alternating current machinery. To accompany E. E. 151 and E. E. 152. 6 hours laboratory per week. 2 credit hours each. Fee \$4.00 each.

161. *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.

162. *Design of Electrical Machinery.* Electrical design of direct and alternating current machinery. Prerequisite: E. E. 161. 2 hours lecture and 6 hours in the design room per week. 4 credit hours.

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.

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. 2 hours lecture per week. 2 credit hours.

196. *Transmission.* Solutions of power transmission problems; design of transmission systems, includ-

- ing transmission line construction and protection. Prerequisites: E. E. 151 and 194. 2 hours lecture per week. 2 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 Signaling.* The physical principles of radio-transmission and their application to telegraphy, telephony, television, and signaling. 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.*
 THOMAS MATTHEW PEARCE, PH.D., *Associate Professor.*
 *CECIL V. WICKER, M.A., *Assistant Professor.*
 ELSIE RUTH CHANT, M.A., *Instructor.*
 TELFAIR HENDON, E. S. SHANNON, THELMA JENKINS,
Teaching Fellows.

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 61 are required of students in Engineering.

*On leave, 1930-31.

Major Study. For a major study, candidates must complete 24 hours in courses numbered above 50, but courses 53 and 54 may not be counted toward this requirement. The courses taken must include 53, 54, 58 or 61, 88, 91, and 151, 152, or 154. 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.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

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 as many times as a new subject or author is taken up. 1 credit hour each time taken.
- 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. Prerequisites: English 21 and 22. 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.
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 to 1890. Prerequisites: English 21 and 22, 53 and 54. 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 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.

FOR JUNIORS, SENIORS, AND GRADUATES

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, 22, and 53. 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 to 1900. Prerequisites: English 21, 22, and 53. 2 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.
149. *Contemporary Drama.* Prerequisites: English 21, 22, 143 or 147. 2 credit hours..
151. *Chaucer.* Chaucer and a general survey of 14th century literature. Prerequisites: English 21, 22, and 53. 3 credit hours.
152. *Old English.* Prerequisites: English 21, 22, and 53. 3 credit hours.
154. *Middle English.* Prerequisites: English 21, 22, and 53. 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, 22, and 53. 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, 22, and 53. 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.
190. *Maryloue.* A pro-seminar. Restricted to seniors and graduates.

195. *History of Criticism, chiefly English.* Restricted to seniors and graduates. 1 credit hour.
198. *Review Seminar.* Senior English majors required to take this course.

FOR GRADUATES ONLY

210. *Seminar in Contemporary Poetry.* 2 credit hours.
251. *Problems seminar.* 2 or 3 credit hours.
300. *Thesis.* 3 hours each semester.

DEPARTMENT OF GEOLOGY

STUART A. NORTHROP, PH.D., *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.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. *Physical Geology.* Elementary chemistry and physics should precede. 3 credit hours.
2. *Historical Geology.* Prerequisites: Geology 1 with some knowledge of botany and zoology. 3 credit hours.
5. *Physical Geology Laboratory.* Required of all who intend to major or minor in the department. Should accompany Geology 1. 1 credit hour. Fee \$1.00.
6. *Historical Geology Laboratory.* Required of all who intend to major or minor in the department. Should accompany Geology 2. 1 credit hour. 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 \$2.00.
53. *Meteorology*. Prerequisite: Some knowledge of physics. 2 credit hours.
54. *Geography of North America*. Geology 1 should precede. 2 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

101. *Economic Geology*. Non-metals. Prerequisites: Geology 2, 51, and 52. 3 credit hours.
102. *Economic Geology*. Metals. Prerequisites: Geology 2, 51, 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. Fee \$1.00.
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. (Not offered in 1931-32).
110. *Stratigraphy*. A continuation of Geology 109. 4 credit hours. (Not offered in 1931-32).
111. *Paleontology*. Prerequisite: Geology 2. 4 credit hours. Fee \$1.00.
112. *Paleontology*. A continuation of Geology 111. 4 credit hours. Fee \$1.00.

FOR GRADUATES ONLY

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.
95. *Greek literature in English translation*. Dramatic poetry. No previous knowledge of Greek is required for admission to the course, the only pre-

- requisite 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 FRESHMEN AND SOPHOMORES

- 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 semantics. 4 credit hours each. (Not offered 1931-32).
- 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. (Not offered, 1931-32).
- 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.

- 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. (Not offered, 1931-32).
- 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 several poets, 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.

FOR JUNIORS, SENIORS, AND GRADUATES

(One of the following courses in literature will be given each semester)

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.
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.
105. *Advanced Latin.* Selected readings from medieval 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. Assigned readings. Prerequisite: Latin 101 or equivalent. 3 credit hours.
- 179-180. *Roman Life.* Lectures and topics for investigation in Roman public and private life. 2 credit hours each. (Probably not given in 1931-32).

FOR GRADUATES ONLY

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

- 231-232. *Latin Grammar and Syntax*. Lectures, and topics for investigation in the fields of historical and comparative grammar and syntax. Prerequisite: A reading knowledge of French or German. 2 credit hours each.
242. *Seminar in Medieval Latin*. Original investigations in the fields of grammar, syntax, semantics, dictionary making. Prerequisite: Latin 231 and 232 should precede or accompany this course. 2 credit hours.
251. *Seminar*. Directed investigation of an assigned problem, usually applied on the thesis requirement. More than one semester's work is indicated by 251b, 251c, etc. 2 or more credit hours.

DEPARTMENT OF HEALTH

JAMES R. SCOTT, PH.D., M.D., *Associate Professor*.

MYRTLE GREENFIELD, M.A., (*Chief, State Health Laboratory*),
Lecturer.

LORETTA BARRETT, B.A., *Instructor*.

Major Study. None offered.

Minor Study. None offered.

1. *Personal Health*. A course dealing with the principles of healthful living, emphasizing mental and nervous hygiene, foods, posture, exercise, rest, clothing and care of the body. Required of all freshmen. 2 credit hours.

2. *Community Health.* A consideration of community endeavor for the protection of its citizens, emphasizing health supervision of water supplies, sewage disposal, milk and food production, control of communicable disease, vital statistics, publicity and health education methods for the general population. 2 credit hours.
72. *Educational Hygiene.* Sanitation and ventilation of school buildings; common health defects and their causes, detection, and remedy; teaching health in the school. Primarily for prospective teachers. 2 credit hours.
105. *Epidemiology.* A study of the epidemic diseases which may affect a locality, state, or nation, emphasizing general epidemiological methods and discussing the various diseases of epidemiologic importance. 2 or 3 credit hours. Prerequisite: Health 1 and 2.
122. *Public Health Practice.* A field course given in conjunction with the Bernalillo County Health Department. Students will be given actual field experience in inspection of dairies, restaurants, and other food handling establishments, in the control of communicable disease, registration of births and deaths, and general routine procedure employed in any city or county health department. Field periods three hours, one to two afternoons per week. Students admitted only on consultation with instructor. 1 or 2 credit hours. Prerequisite: Health 1, 2, and 105.

HISTORY AND POLITICAL SCIENCE

*FRANCE V. SCHOLES, M.A., *Professor.*

JAMES F. ZIMMERMAN, PH.D., *Professor.*

MARION DARGAN, M.A., PH.D., *Associate Professor.*

†LANSING B. BLOOM, M.A., *Associate Professor.*

ARTHUR S. WHITE, M.A., J.D., *Associate Professor.*

‡FRANK D. REEVE, M.A., *Instructor.*

HELEN E. MARSHALL, M.A., *Instructor.*

JOHN C. RUSSELL, B.A., *Graduate Fellow.*

VIOALLE CLARK, *Student Assistant.*

HISTORY

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 courses 21, 22, 51, and 52. Course 61 is not accepted for major credit. Courses in ancient history are recommended.

Minor Study. For a minor study, students must complete 18 hours, including courses 21, 22, 51, and 52. Course 61 is not accepted for minor credit.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

21. *Medieval History.* From the fall of Rome to the Peace of Westphalia (1648). 3 credit hours.
22. *Modern History.* From the Peace of Westphalia to the present. 3 credit hours.

(NOTE: Beginning with the year 1932-33, Juniors and Seniors taking courses 21 and 22 will receive only 2 credit hours each semester.)

*On leave of absence, second semester 1930-31.

†On leave of absence, first semester 1930-31.

‡On leave of absence during the entire year 1930-31.

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.* 2 credit hours. Offered each semester. Students who have taken courses 125 and 126 will not receive credit for the course. Students who have taken either 125 or 126 will receive one credit hour. This course is not accepted for major or minor credit.
71. *History of England.* From the earliest times through the reign 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 JUNIORS, SENIORS, AND GRADUATES

112. *History of the American Frontier.* From the settlement of the back country of Virginia and Carolina to the disappearance of the frontier. 3 credit hours. (Given as an evening course in 1930-31, 2 credit hours.)
125. *History of the Southwest: the Spanish Period.* This course deals with the trans-Mississippi area which formed a part of the Spanish Empire in North America. 3 credit hours.
126. *History of the Southwest under the Rule of Mexico and the United States.* A continuation of History 125. 3 credit hours.
131. *History of Greece.* 3 credit hours.
132. *History of Rome.* 3 credit hours.
- 133, 134. *Roman Public Life.* Lectures and topics in the history of institutions and public and private life.

- during the Roman Republic and Empire. 2 credit hours each semester.
141. *History of Colonial North America.* 3 credit hours.
 144. *Social and Intellectual History of the United States.* (1776 to 1930). Prerequisites: History 51 and 52, or the consent of the instructor. 2 credit hours.
 151. *American Diplomacy.* See Political Science 151. 3 credit hours. (Given as an evening course in 1930-31, 2 credit hours.)
 161. *History of Spain.* Prerequisites: History 21 and 22. 3 credit hours.
 164. *History of Mexico.* 3 credit hours.
 165. *American Constitutional History.* The origin of the Constitution, the great decisions of the Supreme Court, the study of crises which have involved conflicting views of the Constitution, and recent amendments. Prerequisite: History 51. 3 credit hours.
 171. *History of Latin America: the Colonial Period.* 3 credit hours.
 172. *History of Latin America: the National Period.* 3 credit hours.
 175. *The Middle Ages.* An advanced course dealing with all phases of medieval life. 3 credit hours. Prerequisite: History 21.
 176. *The Renaissance and Reformation.* Prerequisites: History 21 and 22. 3 credit hours.
 - 183, 184. *Europe since 1789.* Prerequisite: History 22. 3 credit hours each semester.
 190. *Problems in Recent American History.* A topical study of the period from 1865 to 1930. Prerequisite: History 52. 3 credit hours.

- 195, 196. *Advanced Reading Course*. Open to approved seniors and graduates who wish to explore a field of independent study. 2 to 4 credit hours each semester.
198. *Historical Method*. 3 credit hours.

FOR GRADUATES

251. *Seminar in Western American History*. 2 to 4 credit hours.
300. *Thesis*. 2 to 6 credit hours.

POLITICAL SCIENCE

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

Major Study. Students must complete 30 hours, including courses 1, 2, 21, and 22.

Minor Study. Students must complete 18 hours, including courses 1, 2, 21, and 22.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1, 2. *Introductory Course*. A preliminary study in the problems of government in which much attention is given to methods of study and the development of a scientific attitude. Open to freshmen. Advanced students admitted by permission. 2 credit hours each semester.
- 51, 52. *American Government and Politics*. A critical study of our system of government and its present problems (national, state, and local). 3 credit hours each semester. During 1931-32, open to freshmen who take courses 1 and 2.

(NOTE: These courses were formerly numbered 21 and 22.)

61. *Nature and Sources of Law*. A study of the origin, nature, and function of law as a social institution.

Prerequisites: Courses 1, 2, 51, and 52. 2 credit hours.

62. *Nature and Sources of Law.* A continuation of course 61, with especial emphasis on the development of the Common Law under American influences. 2 credit hours.
- 71, 72. *European Governments.* A general study of government as a problem, through a consideration of the form which government has taken in a number of European states. 3 credit hours each semester.
75. *Political Parties.* A study of the organization and function of political parties, with especial emphasis on the nature of public opinion and the conditions producing political bosses and popular leaders. Prerequisites: Courses 1 and 2. 3 credit hours. (This course was formerly numbered 102.)

FOR JUNIORS, SENIORS, AND GRADUATES

104. *Principles of Citizenship.* A study of the origin and nature of such human attitudes as express themselves in citizenship, and the effect which the methods of our political institutions have on these attitudes. Especial attention is given to the problems involved in education for citizenship. 3 credit hours.
141. *International Relations.* A study of the origin and nature of the problems involved in international relations. Prerequisites: History 22 and 52. 3 credit hours.
143. *International Law.* A study of the origin, nature, and application of the rules of international law. Prerequisites: Courses 1, 2, 51, and 52. 3 credit hours.

148. *International Organization.* A study of the origin, organization, and practice of such international institutions as the consular service, international diplomacy, international federations, the League of Nations, and the World Court. Prerequisites: Course 141 or 143. 3 credit hours.
151. *American Diplomacy.* A study of the traditions and practices of the diplomacy of the United States as developed and indicated in outstanding international situations. Prerequisites: History 51 and 52.
161. *Problems of Democracy.* 2 credit hours. (Not offered in 1931-32.)
168. *Political Theory.* A critical study of political thought from the Greek period to modern times and an effort to evaluate some current trends of political thought in terms of human experience. Open to seniors and graduates with approved prerequisites. 3 credit hours.
176. *Constitutional Law.* A study of the Constitution of the United States as it has been interpreted by the courts. Prerequisites: Courses 51 and 52. 3 credit hours.
- 195, 196. *Advanced Reading Course.* Open to approved seniors and graduates who wish to explore a field of independent study. 2 to 4 credit hours each semester.
198. *Seminar in Local Government.* Open to advanced students with approved qualifications. 2 to 4 credit hours.

FOR GRADUATES

300. *Thesis.* 2 to 6 credit hours.

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 FRESHMEN AND SOPHOMORES

11. *Clothing Selection.* Selection of clothing from the standpoint of artistic, economic and hygienic standards. No prerequisite. Open to students other than Home Economics majors. 3 lecture periods per week. 3 credit hours. Fee \$1.00.
12. *Clothing Construction.* Construction of garments, emphasizing technique and application of art principles to garments. Problems in wash materials. Prerequisite: Course 11. Course 12 is to be taken concurrently with course 14. 2 two-hour laboratory periods per week. 2 credit hours. Fee \$1.00.
14. *Textiles.* Study of materials as to construction, color, finish and other factors that affect the wearing qualities and value of household materials. No prerequisite. Open to students other than Home Economics majors. 2 lectures and 1 two-hour laboratory period per week. 3 credit hours. Fee \$2.00.
53. *Food Selection and Preparation.* Selection and preparation of foods, emphasizing nutritive value

- and palatability. Fundamental principles of nutrition. No prerequisite. 1 lecture and 2 two-hour laboratory periods per week. 3 credit hours. Fee \$5.00.
54. *Food Selection and Preparation.* Continuation of 53. Principles of cookery applied to problems in baking, salads, and desserts; 6 weeks unit in preparation and serving of meals. Prerequisite: Course 53. 1 lecture and two laboratory periods per week. 3 credit hours. Fee \$5.00.
61. *Dressmaking.* Fundamental principles of garment construction applied to tailored garments in wool; children's clothing; adaptation of patterns. Textile buying and advanced study of textiles. Prerequisite: course 12. 1 lecture and 2 two-hour laboratory periods per week. 3 credit hours. Fee \$1.00.
62. *Dressmaking.* Continuation of course 61. Problems in silk. Study of historic costume. 1 lecture and 2 two-hour laboratory periods per week. 3 credit hours. Fee \$1.00.

FOR JUNIORS AND SENIORS

105. *Advanced Foods.* Food economics. Household marketing; study of grades and qualities of food products found on the market; factors governing cost; food laws. Prerequisites: Course 54 and Chemistry 68. 1 lecture and 2 laboratory periods per week. 3 credit hours. Fee \$5.00.
106. *Advanced Foods.* History of cookery. Special problems in food preparation and demonstration. Prerequisite: Course 105. 1 lecture and 2 laboratory periods per week. 3 credit hours.
127. *Dietetics.* A study of the food requirements in normal nutrition. Calculation and preparation of

COURSES IN DEPARTMENTS OF INSTRUCTION [161

- dietaries. Prerequisite: Course 106. 4 credit hours.
132. *Household Management.* An application of the principles of scientific management to the home; management of household operation and finances; family and community relationships. 3 credit hours.
138. *Child Care and Development.* A study of the growth and development of the young child. 3 credit hours.
181. *Meal Planning and Serving.* Dietetic, economic and aesthetic aspects of meal service; experience in the selection and purchase of food for the meals planned. Dietetic values estimated. Prerequisites: Courses 106 and 127. 4 credit hours.
194. *Teachers' Course.* Principles underlying curriculum construction; methods of presentation; equipment and textbooks. 3 credit hours.

LATIN

See Greek and Latin

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.*

GORDON FULLER, M.A., *Instructor.*

CHESTER RUSSELL, B.S., *Instructor.*

Group Requirements. Students in the College of Arts and Sciences or the Collège 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 FRESHMEN AND SOPHOMORES

- A. *Solid Geometry.* Prerequisites: Entrance algebra, 1 unit; plane geometry, 1 unit. (Required of students who plan to register in calculus). 2 credit hours. No credit in College of Engineering).
11. *Introductory Course.* A combined course in advanced secondary algebra, 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.* A combined course in plane trigonometry and plane analytic geometry. Pre-

*On leave of absence, 1930-1931.

requisites: Mathematics 17 (or 11). 5 credit hours.

- 53-54. *Calculus*. Prerequisites: Solid Geometry and Mathematics 17 (or 11) and 18. 5 credit hours each semester.

FOR JUNIORS, SENIORS, AND GRADUATES

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

- 102-103. *College Geometry*. Prerequisite: Mathematics 18. 3 credit hours each semester.
106. *Mathematics of Investments*. Prerequisite: Mathematics 17. 3 credit hours. (Accepted for major credit by the Department of Economics).
107. *Descriptive Astronomy*. Prerequisite: Mathematics 18. 3 credit hours.
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. 2 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.

FOR GRADUATES ONLY

214. *Modern Algebra*. Prerequisites: Mathematics 113 and 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.*

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. Offered either semester. Fee \$6.00.
6. *Machine Tools*. A laboratory study of the machine tools available for the working and shaping of

*If more than one semester is given, the course will be numbered 251B, etc.

COURSES IN DEPARTMENTS OF INSTRUCTION [165

- metals. 6 hours shop work per week. 2 credit hours. Offered either semester. Fee \$6.00.
- 17-18. *Engineering Drawing.* A study of orthographic projection, scenographic projection, auxiliary views, and lettering. 6 hours drafting room per week. 2 hours credit each semester. Fee \$2.00 per semester.
19. *Descriptive Geometry.* A study of the theory and science of engineering drawing. Prerequisite: Math. A. One hour recitation, 6 hours in drafting room per week. 3 credit hours. Fee \$2.00.
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. *Tool Design.* Design of tools for use in quantity production. Special machine tools. Prerequisites: M. E. 51, registration in M. E. 6. Six hours drafting room per week. 2 credit hours. Fee \$2.00.
54. *Materials.* The common materials of construction, metallurgy of iron and steel; heat treatment, foundry methods. Prerequisite: Chemistry 2. Two 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 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. For students of electrical and civil engineering. Prerequisites: M. E. 101. 1 credit hour. 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 application. 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, Physics 51 and 52. 2 two-hour recitations and 2 three-hour drawing periods. 4 credit hours. Fee \$2.00.
114. *Mechanisms.* Link motions; cams; gears; kinematics. Prerequisites: C. E. 105, P. M. 19. 2 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.

DEPARTMENT OF MODERN LANGUAGES AND LITERATURE

ANITA M. OSUNA, M.A., *Assistant Professor.*
 WILLIAM F. J. DEJONGH, M.A., *Assistant Professor.*
 JOHN E. ENGLEKIRK, M.A., *Assistant Professor.*
 MARY W. COAN, M.A., *Instructor.*
 LOLITA POOLER, B.A., *Graduate Fellow.*

Entrance Requirements. Students presenting two high school units in French or German may enroll in French 55 or German 51. Students presenting two or three units

in Spanish may enroll in Spanish 3, 41, 51, or 53, depending on scores made in placement tests at time of enrollment. 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, students may be required to take a review course without college credit.

Major Study. A major in Spanish consists of 24 credit hours in courses above Spanish 41, including course 153, and requires a minor in French or Latin. A major in French consists of 24 hours in courses above French 2, and requires a minor in Spanish or Latin. Major students are urged to take courses in Roman and Western European history; in Spanish, Latin-American, or New Mexican history; in Greek and Roman mythology; and in other languages. No major is offered in 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 FRESHMEN AND SOPHOMORES

- 1-2. *Elementary French.* Drill in pronunciation and grammar, and reading of simple texts. 4 credit hours each semester. (Credit for the first semester withheld until the work of the second semester is completed.)
- 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.

FOR JUNIORS, SENIORS, AND GRADUATES

- 111-112. *French Literature of the Nineteenth Century.* Reading of masterpieces from the principal authors, supplemented by lectures by the instructor

in charge. Prerequisites: French 55-56, or equivalent work. 3 credit hours each semester. (Not offered, 1931-32).

101-102. *Advanced Composition and Conversation.* This course must be accompanied or preceded by an advanced course in French literature. 3 credit hours each semester.

105-106. *Survey of French Literature from the Renaissance to the French Revolution.* Prerequisites: French 55-56, or equivalent courses. 3 credit hours each semester.

GERMAN

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1-2. *Elementary German.* Drill in pronunciation and grammar, and reading of simple texts. 4 credit hours each semester. (Credit for first semester withheld until the work of the second semester is completed.)

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 hours 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. (Credit for the first semester withheld until the work of the second semester is completed.)

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 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. Class meets three hours a week.

41. *Intermediate Spanish.* Reading and grammar, and conversation based on the text. Not counted for major credit. Repeated in the second semester. Prerequisites: Spanish 1 and 2 or equivalent. 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, four years of high school Spanish, or the equivalent. Strongly recommended for students who expect to major in Spanish. 3 credit hours each semester.

FOR JUNIORS, SENIORS, 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).
- 107-108. *Spanish Novel.* The first semester outlines the beginning and development of the novel. Reading based on period studied. The second semester

takes up the study of the Spanish novel of the 19th and 20th centuries. 3 credit hours.

- 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. (Not offered in 1931-32).
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. Prerequisites: Spanish 121-122 or Spanish 107-108. 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. Required of all Spanish majors. 2 credit hours.
154. *Spanish Intonation.* A study of the proper voice inflection to be used in Spanish conversation, prose, poetry, and dramatic literature. Prerequisite: Spanish 153. Second semester. 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.

FOR GRADUATES ONLY

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.
300. *Thesis.*

DEPARTMENT OF MUSIC

GRACE THOMPSON, B.M., *Associate Professor.*

BERNARD HELFRICH, B.M., *Instructor in Piano and Theory.*

BESS CURRY REDMAN, *Instructor in Voice.*

HELEN WOYTYCH, B.A., *Instructor in Violin.*

NINA ANCONA, *Instructor in Pipe Organ 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 179.)

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 per 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.
- 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.
- 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.
- 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 and grades. 3 credit hours.
- 174. *Music Education.* Junior and senior high school. 3 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.
- 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.—In order to be eligible for registration in Piano with major in view, applicants must have had satisfactory training in Hanan's *Exercises*, *Easy Studies* of Koehler, *Little Preludes* of Bach, or the equivalent. Each applicant for piano will be given a placement examination. Beginners in piano are only allowed 4 hours credit.)

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 re-register 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: Bath's *Little Preludes*, *Fugues*, and *Two and Three-part Inventions*; sonatas by Mozart and Haydn; pieces by Mozart and Haydn; pieces by Beethoven, Men-

delssohn, 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 catalogue).

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 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-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 re-register 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-162a, 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 instructions in these courses are adapted to meet the needs of individual pupils who wish to study the art and science of singing. The object of these courses is to teach the fundamental laws of phonetics and breath control so that a pupil may attain an advanced degree of proficiency. Pupils may register for one or two lessons a week, for two or four hours of credit.

- 1a, b-2a, b. *Freshman Course*. Practical work in voice placing, including simple exercises and vocalises from Concone Op. 9. Simple English songs. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.
- 51a, b-52a, b. *Sophomore Course*. Progressive tone work; Concone, Bonaldi Vol. 117. Simple Italian and English songs. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.
- 101a, b-102a, b. *Junior Course*. Tone work; advanced technique. Simple arias from Italian and French operas. Simple German songs; modern French and English songs. Junior recital. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.
- 151a, b-152a, b. *Senior Course*. Advanced technical studies for the development of proper tone production and breath control; repertoire in opera and oratorio. Public appearance as prescribed. Senior recital. One or two private lessons a week and outside preparation. 2 or 4 credit hours each semester.
- 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 toward 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	1931-32
Pipe Organ -----	1 ½-hr. -----	18.00	
	2 ½-hr. -----	36.00	
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	1931-32
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.

DEPARTMENT OF PHILOSOPHY

JAY C. KNODE, PH.D., *Professor*

Group Requirements. All courses numbered above 150 are accepted toward the requirement in Group III.

Major Study. Not offered at the present time.

Minor Study. A minor study consists of 12 hours in courses numbered above 150, with the provision that courses running through two semesters are not to be dropped in mid-year.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. *Contemporary Problems.* An orientation course required of all freshmen and comprising three types of work, viz.: Lectures covering the various fields of knowledge by heads of University departments, an introduction to the technique of study, and consideration of certain general con-

temporary problems of American life. One lecture each week and one quiz each alternate week. 2 credit hours.

FOR JUNIORS AND SENIORS

151. *Introduction to Reflective Thinking.* An elementary introduction to the problems of the modern world and the philosophic outlook upon them. One lecture, one period of discussion, and one quiz each week. Representative books covered are: Siegfried's *America Comes of Age*, Peffer's *White Man's Dilemma*, Lippman's *Preface to Morals*, and Patrick's *Introduction to Philosophy*. 3 credit hours.
152. Course 151 continued, with stress upon the problems of the individual. Representative texts used are: Martin's *The Meaning of a Liberal Education*, Robinson's *The Mind in the Making*, Alexander's *Truth and the Faith*, Wolfe's *Conservatism, Radicalism, and the Scientific Method*, and Jeans' *The Mysterious Universe*. 3 credit hours.
154. *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. (Not offered 1931-32). 3 credit hours.
156. *History of Philosophy.* A rapid survey of outstanding philosophic thinkers and systems of thought from ancient India to the present, with considerable attention to the social backgrounds of the writings studied. 3 credit hours.
158. *Principles and Processes of Thought.* Besides covering the usual ground in the field of logic, includ-

ing 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 aesthetic and ethical thinking. (Not offered 1931-32). 3 credit hours.

DEPARTMENT OF PHYSICAL EDUCATION

ROY W. JOHNSON, B.A., *Professor and Director of Athletics and Physical Education.*

LORETTA BARRETT, B.A., *Instructor*

J. P. MCFARLAND, B.A., *Assistant Physical Director and Freshman Coach.*

W. L. BARNES, *Physical Director and Freshman Coach.*

T. CHURCHILL, B.A., *Assistant Coach and Physical Director.*

ROBERT CRIST, *Assistant 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 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 sections. Three hours per week. 1 credit hour each semester.
21. *Principles and History of Physical Education.* From the time of the Greeks to the present day. 2 credit hours.
22. *Theory and practice of Basketball.* 2 credit hours.

- 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. No credit will be given in course 52 unless the required Curning tests are successfully completed. 2 sections. Three hours per week. 1 credit hour each semester.
61. *Theory and Practice of Football.* 2 credit hours.
62. *Theory and Practice of Track and Field Athletics and of Baseball.* 2 credit hours.
101. *Theory and Practice of Physical Education Activities, Including Natural Gymnastics.* 2 credit hours.
102. *Theory and Practice of Combative Sports—Boxing, Wrestling, Fencing, etc.* 2 credit hours.
135. *Corrective Gymnastics.* 2 credit hours.
136. *Theory of Coaching, Strategy and Tactics.* 2 credit hours.
161. *Theory and Practice of Intramural and Mass Athletics, Playground and Community Sport, and Service Work.* 2 credit hours.
162. *Theory and Practice of Swimming and Various Minor Sports.* 2 credit hours.
163. *Physical Examination and Anthropometry.* 3 credit hours.
172. *Organization and Administration of Physical Education and Athletics.* 3 credit hours.
173. *Psychology of Athletics.* 3 credit hours.
186. *Seminar and Thesis.* 2 credit hours.

COURSES FOR WOMEN

The uniform consists of white blouse, black knickers, white socks, 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, horseback riding, volley ball, posture training, floor work, dancing, basketball, baseball, 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* (Freshman women). Fee \$10.00 per semester.
- 55-56. *Sophomore Course.* Swimming, tennis, field hockey, horseback riding, volley ball, posture training, floor work, dancing, basketball, baseball, golf, track and field athletics, and riflery. Prerequisites: 5, 6. Required of all second-year students. Three hours per week. 1 credit hour.
- 65-66. *Technique.* Study, practice and teaching of Physical Education activities. Prerequisites: 5 and 6. Required of all sophomore majors in Physical Education. Three hours per week. 2 credit hours.
- 105-106. *Recreational Leadership.* Psychology of play, practice of games suitable to different ages, organization, equipment and management of playgrounds, 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, 55, and 56. Three hours per week. 3 credit hours.
- 107-108. *Technique.* Study, practice and teaching of Physical Education activities. Prerequisites: 5, 6, 55, 56, 65, and 66. Required of all junior majors in

Physical Education. Three hours per week. 2 credit hours.

FOR MEN AND WOMEN

161. *First Aid.* Open to men and women of junior standing who are majoring in Physical Education. Two meetings a week. 2 credit hours.

DEPARTMENT OF PHYSICS

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

S. B. LIPPINCOTT, B.S., *Instructor.*

STANLEY PELATOWSKI, *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.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

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. Prerequisites: 1 year Algebra and Plane Geometry. 4 credit hours. Fee \$3.00.
2. *General Physics.* A continuation of Physics 1. Fee \$3.00.
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 JUNIORS AND SENIORS

- 111. *Electricity and Magnetism.* Lectures and recitations; 2 hours per week. Prerequisites: 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.
- 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.
- 192. *Electron Physics.* Lectures 2 hours per week. Prerequisites: Physics 51 and 53, and Math. 51, 52.

POLITICAL SCIENCE

See History and Political Science

DEPARTMENT OF PSYCHOLOGY

BENJAMIN F. HAUGHT, PH.D., *Professor.*

RICHARD M. PAGE, M.A., *Assistant Professor.*

MARGARET O'CONNELL, A.B., *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.

PRIMARILY FOR SOPHOMORES

51. *General Psychology.* A general survey of psychology; its material, fundamental laws, applications, and relation 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 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.

FOR JUNIORS, SENIORS, AND GRADUATES

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 psy-

- chological 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.
162. *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.
164. *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 ele-

mentary 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. 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. 3 credit hours. Fee \$2.00.
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.

FOR GRADUATES ONLY

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.

SUMMER SESSION 1931

June 8 to August 1, 1931. Eight Weeks

S. P. NANNINGA, M.A., PH.D., *Director*.

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 \$32.50 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 stand-ard.
7. Courses offered. Archaeology, Anthropology, Art, Biology, Chemistry, Economics; Education, Ele-mentary, Secondary, School Administration, Ed-ucational Tests, Intelligence Tests, Statistics and Measurements, Educational Hygiene, Educational Psychology; English, French, Geography, Geol-ogy, Political Science, Home Economics, Hygiene, Mathematics, Music; Physical Education, Athletic Coaching, Plays and Games, Swimming; Psychol-ogy and Spanish.

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

COURSES OF STUDY

Summer Session, 1931

Anthropology	Assistant Professor Tanquist
Ethnology of the Southwest	Assistant Professor Tanquist
Sociology	Assistant Professor Tanquist
Archaeology	Assistant Professor Hewett
Art Perspective and Composition	Part-time Instructor Douglass
Indian Art	Instructor Chapman
Commercial Art	Part-time Instructor Douglass
Sculpture	Instructor Sewell
Methods of Teaching Clay Modeling	Instructor Sewell

Heredity	Professor Castetter
Flora of New Mexico	Professor Castetter
Evolution	Professor Castetter
Organic Chemistry	Instructor Kiech
Introduction to Economics	Visiting Instructor Roloff
Money and Banking	Visiting Instructor Roloff
Labor in Modern Society	Visiting Instructor Roloff
Introduction to Education	Assistant Professor Reid
Classroom Organization and Management	Assistant Professor Reid
Education Psychology	Assistant Professor Page
Kindergarten and Pre-primary Methods	Visiting Instructor Chad
Kindergarten and Pre-primary Methods	Visiting Instructor Chadbourne
History of Education in America	Assistant Professor Reid
Educational and Vocational Guidance	Professor Knode
Statistical Methods	Professor Haught
Supervision of the Language Arts	Visiting Instructor Chadbourne
Supervision of Arithmetic	Visiting Instructor Shreve
Supervision of Elementary School Instructors	Visiting Instructor Shreve
High School Curriculum	Associate Professor Diefendorf
The Junior High School	Associate Professor Diefendorf
High School Methods	Associate Professor Diefendorf
Elementary School Curriculum	Visiting Instructor Shreve
City School Administration	Professor Nanninga
Philosophy of Education	Professor Knode
Mental Measurements	Professor Haught
Educational Measurements	Assistant Professor Page
Freshman Composition	Instructor Lyman
History of English Literature	Instructor Lyman
History of English Language	Professor Shannon
Grammar for Teachers	Assistant Professor Wicker
Play Production, Elizabethan Drama	Professor Shannon
Chaucer	Professor Shannon
General Geology	Associate Professor Northrop
Geography of North America	Associate Professor Northrop
Advanced Geology	Associate Professor Northrop
American Government	Visiting Instructor Marshall
New Mexico History and Civics	Visiting Instructor Marshall
History of Colonial North America	Visiting Instructor Marshall
International Law and Relations	Associate Professor Dargan
American Diplomacy	Associate Professor Dargan
American Constitutional History	Associate Professor Dargan
Textiles and Clothing	Visiting Instructor Williams

Foods and Cookery	Visiting Instructor Ehrhardt
Home Management	Visiting Instructor Williams
Child Care	Visiting Instructor Ehrhardt
Serving of Meals	Visiting Instructor Williams
Elements of School Health	Visiting Instructor Luckett
Educational Hygiene	Instructor Barrett
Plays and Games	Instructor Barrett
Swimming (Men and Women)	Instructor Barnes
Coaching Girls Athletics	Instructor Barrett
Coaching of Football and Track	Director of Athletics Johnson
Coaching of Basketball	Director of Athletics Johnson
Gymnastics	Instructor Barnes
Boxing and Wrestling	Instructor Barnes
Organization and Administration of Physical Education and Athletics	Director of Athletics Johnson
Library Reference Course	Associate Professor Shelton
Library Methods for Teachers	Associate Professor Shelton
Plane Analytic Geometry	Visiting Instructor Brown
Modern Geometry	Visiting Instructor Brown
Theory of Determinants	Professor Barnhart
Analytic Geometry of Space	Professor Barnhart
Teachers Course in Mathematics	Professor Barnhart
Spanish, Fundamental Grammar Rules	Instructor Coan
Spanish, Intermediate Composition	Instructor Coan
Spanish, Short Stories	Assistant Professor Zellars
Golden Age of Spanish Literature	Visiting Instructor Peers
The Spanish Novel	Associate Professor Zellars
Advance Spanish Grammar	Associate Professor Zellars
Historical Spanish Grammar	Associate Professor Zellars
Piano	Associate Professor Thompson
Voice	Instructor Smith; Visiting Instructor Patterson
Violin	Instructor Woytych
Pipe Organ	Instructor Ancona
Woodwind	Instructor Kunkel
Public School Music Methods	Associate Professor Thompson
Harmony	Associate Professor Thompson
Mixed Chorus	Visiting Instructor Patterson
Introduction to Reflective Thinking	Professor Knode
Philosophy of Education	Professor Knode
Mechanics and Heat	Professor Denton
Electricity, Sound, and Light	Professor Denton
General Psychology	Assistant Professor Page

Directory of Students

1930-1931

The following list of names includes all students registered prior to February 24, 1931, during the academic year beginning June 9, 1930, and ending June 8, 1931. The classification is tentative only and is in accordance with credits earned prior to the opening of the second semester, February 3, 1931. 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 of Arts and Sciences	College of Education	College of 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.

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.

*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 of Arts and Sciences	College of Education	College of 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

COLLEGE OF ARTS AND SCIENCES

FRESHMEN

Agnew, Samuel	Albuquerque
Allison, Rachel	Albuquerque
Alston, Clara	Lovington
Andrews, Gladys	Santa Fe
Aulsbury, Kathrynne	Campbell, Missouri
Baker, Velma	Deming
Bambrook, Walter	Albuquerque
Baxter, Merrimon	Albuquerque
Beal, Tyson	Mountainair
Bell, James D.	Lebanon, New Hampshire
Bennett, Mrs. Frances S.	Albuquerque
Bennett, John	Albuquerque
Bennett, Virginia	Santa Fe
Bergstrom, Ed	Oregon, Illinois
Berry, Perle	Santa Fe
Bigler, Ruth	Artesia
Billington, Stanley	Rye, New York
Black, Albert	Albuquerque
Blakely, Garth	French
Bonds, Clifford	Albuquerque
Bowen, West	Trinidad, Colorado
Boyd, Alfred	Lovington
Branson, Dorothy	Thoreau
Brewer, Herman	Albuquerque
Brooks, Charles	Taos
Brown, James	Albuquerque
Bryson, Dashiell	Albuquerque
Buchanan, Geno	Woodward, Oklahoma
Burkholder, Jane	Albuquerque
Cagle, Charles	Roswell
Cain, James	Peru, Indiana
Cain, Jane	Albuquerque
Campbell, Dorothy	Albuquerque
Campbell, Grace	Cimarron
Campbell, Jean Paul	Roswell
Canepile, Eldo	Aztec
Chennault, Chester	Albuquerque
Christopher, Wiley	Bristol, Colorado
Clouser, Gordon	Santa Fe
Conway, Alice	Raton
Cook, Zenas	Albuquerque
Coulston, Beatrice	Albuquerque
Cowan, Sidney	Albuquerque
Craft, Ruth	Carlsbad
Curlin, Harry	Albuquerque
Curtis, Sidney	Albuquerque
Dalbey, Henry	Sandia Park
Davis, Gough	Albuquerque
Davis, Oliver	Nelsonville, Ohio
DiLisio, Charles	Raton
Dittmer, Howard	Pekin, Illinois

DIRECTORY OF STUDENTS

[199

Dobyne, James	Albuquerque
Draper, James	Albuquerque
DuBois, Frank	Corona
Eagan, Kathleen	Antonito, Colorado
Eagan, Thomas	Antonito, Colorado
Eichhorn, Wilbur	Peoria, Illinois
Ellis, Mrs. Helen	Albuquerque
Elmore, Margaret	Mason City, Illinois
Englekirk, Mrs. Fern H.	Albuquerque
Erwin, Virginia	Dawson
Etter, David	Albuquerque
Evans, A. Q.	Elida
Falkenburg, Frank	Albuquerque
Farley, Bill	Raton
Finley, Edley	Albuquerque
Fischer, Marybel	Belen
Ford, R. B.	Mountainair
French, Lois	Albuquerque
Friede, John	Albuquerque
Galles, Herbert	Albuquerque
Gault, Vena	Tucumcari
Geake, Douglass	Albuquerque
Gentry, Betty	Albuquerque
Gentry, Frank	Albuquerque
Ghrist, Ernest	Gallipolis, Ohio
Gillenwater, Joe	Santa Fe
Gilmore, Tom	Albuquerque
Gladding, James	Albuquerque
Gleasner, Ed	Albuquerque
Green, Mary Cornelia	Deming
Griffin, John	Iola, Kansas
Griswold, Elizabeth	Albuquerque
Hannett, Margaret	Albuquerque
Hardin, Mary Ellis	Albuquerque
Hendron, J. W.	Albuquerque
Henry, Kathleen	Espanola
Herzstein, Simon	Clayton
Hicks, Benton	Albuquerque
Hill, Warren	Santa Fe
Hillyer, John	Santa Fe
Hinde, Thomas	Taos
Hoban, Joseph	Cleveland, Ohio
Holley, Jake	Logan
Holt, Jackson	Albuquerque
Ilfeld, Adele	Las Vegas
James, Frank	Carrizozo
Jolly, Joe	Albuquerque
Jones, Myers	Albuquerque
Jones, Verna	Albuquerque
Keller, Alis	Albuquerque
Keller, Harold	Albuquerque

Kellogg, Richard	Albuquerque
Kemp, Chauncey	Pueblo, Colorado
Kennedy, Virgil	Deming
Kirk, Howard	Pueblo, Colorado
Koury, Harry	Albuquerque
Landis, Margaret	Monongahela, Pennsylvania
Larrazolo, Joe	Albuquerque
Larrazolo, Oscar	Albuquerque
Lewis, James	Albuquerque
Linkins, John	Washington, D. C.
Livingston, Fern	Albuquerque
Logan, Harold	Los Angeles, California
Love, Mary Ellen	East Moline, Illinois
Lumpkins, Bill	Capitan
McClain, Margaret	Covina, California
McElvain, Tom	Albuquerque
McEvers, Herbert	Iola, Kansas
McGuinness, Charles	Albuquerque
MacGillivray, Allan	Las Animas, Colorado
Maddox, Robert	Albuquerque
Maisel, Albert	Albuquerque
Martin, Frank	Albuquerque
Massaglia, Joe	Albuquerque
Mater, Dan	Nara Visa
Mead, Helen	Albuquerque
Miles, Martha	Albuquerque
Miller, Garnet	Albuquerque
Miller, L. C.	Tucumcari
Miller, Ruth	Santa Fe
Milner, Patty	Albuquerque
Mitchell, W. D.	Clayton
Moncus, Ray	Tucumcari
Morrison, Adele	Albuquerque
Mullison, Wendell	Albuquerque
Myers, Lucille	Wagon Mound
Naranjo, William	Fort Wingate
Norris, Theodore	Albuquerque
Payne, Edna	Raton
Peacock, Roscoe	Las Cruces
Perkins, Archie	Corona
Phillips, Franklin	Liberal, Kansas
Pruit, Alton	Clovis
Renfro, Everett	Albuquerque
Rosen, Joe	Hollywood, California
Rosenwald, Edna	Albuquerque
Rouse, Gaius	Raton
Rouse, Titus	Raton
Russell, Mrs. Aimee	Albuquerque
Russell, Willie	Liberal, Kansas
Rutledge, Helen	Albuquerque
Rutz, Howard	Belen

Sahd, S. P.	Cerrillos
Scheibe, Lucille	Albuquerque
Schneberg, Gray	Trinidad, Colorado
Scholl, Lincoln	Hollywood, California
Scoggin, Van	Las Cruces
Sedillo, C. B.	Albuquerque
Sherman, Rosannah	Albuquerque
Shields, Dayton	Albuquerque
Shirley, Alice	Albuquerque
Simpson, Willard	Fort Worth, Texas
Slaten, Merwin	Albuquerque
Slater, Ralph	Pueblo, Colorado
Somerville, J. Eugene	Kokomo, Indiana
Spencer, Jane	Carrizozo
Stacy, Merrill	Santa Fe
Stalick, Mary	Gallup
Stephens, Tom	Tularosa
Stover, Elmo	Belen
Sullivan, James	Albuquerque
Swagerty, Ancil	Clayton
Taylor, Harvel	Carrizozo
Taylor, Vera	Albuquerque
Tessier, Julia	Albuquerque
Thomas, William	Albuquerque
Tippey, Roy	Marion, Indiana
True, Willie	McAlister
Valdez, Max	Raton
Vandewart, Roberta	Roswell
Vidal, Kathryn	Gallup
Walker, Andrew	Albuquerque
Warner, Gertrude	Fort Dodge, Iowa
Warrington, John	Albuquerque
Wells, Harriette	Albuquerque
Whiteman, Ridgley	Clovis
Whitfield, James	Pekin, Illinois
Whitlow, Anna May	Las Cruces
Wiggins, Bennett	Estancia
Williams, Charles	Roswell
Williams, Chester	Albuquerque
Williamson, Morrelle	Albuquerque
Wilson, Billy	Albuquerque
Wilson, Mildred	Albuquerque
Wolfe, Reese	Houston, Texas
Worley, Charles	Tulsa, Oklahoma
Wright, Carolyn	Kendallville, Indiana
Wright, John	Raton
Wright, Mary A.	Clovis
Wylie, Claud	Albuquerque

SOPHOMORES

Ake, Roscoe	Magdalena
Allen, Murray	Albuquerque
Amble, Thelma	Mountainair

Andrews, Frances	Santa Fe
Arnott, Will	Albuquerque
Baca, Tony	Albuquerque
Baer, Daurice	Monticello, Indiana
Baker, Arthur	Albuquerque
Baker, James	Albuquerque
Baldwin, Robert L.	Socorro
Barber, John	Albuquerque
Barela, Fred	Albuquerque
Barker, Charles	Santa Fe
Bartell, Martha	Gallup
Bauer, Arnold	Albuquerque
Baxter, Hector	Socorro
Beeson, Betty	Roswell
Benson, Nelle	Dalies
Bezemek, Clarissa	Albuquerque
Bezemek, James	Albuquerque
Biggs, Harry	Albuquerque
Black, Elmo	Albuquerque
Black, Janis	Albuquerque
Brown, Carroll	Albuquerque
Brown, Fred	Mesilla Park
Bruce, Robert	Albuquerque
Butler, Olive	Roswell
Calkins, J. Eugene	Albuquerque
Caylor, Myrtle	Las Cruces
Childers, Katherine	Albuquerque
Cochran, Wilson	Mercer, Pennsylvania
Colegrove, Jane	Beverly Hills, California
Compton, Stewart	Artesia
Coons, Angela	Albuquerque
Costales, Dionisio	Albuquerque
Cox, A. Tillman	Calipatria, California
Cruz, Moicelio	Chacon
Currier, Ruth	Albuquerque
Danahy, Tom	Albuquerque
Darnall, Robert	Albuquerque
Dilworth, John	Albuquerque
Dosser, Esther	Jetmore, Kansas
Eaton, Dorothy	Socorro
Edwards, Mrs. Anna R.	Albuquerque
Elliott, Sidney	Albuquerque
English, Glenneth	Carrizozo
Espinosa, Louis	Albuquerque
Evans, Pauline	Marquez
Farley, John	Raton
Fay, Biehl	Long Beach, California
Fletcher, Maxine	Roswell
Floersheim, Myron	Springer
Foster, Myron	Farmington
Gardner, Mary	Albuquerque
Garrett, Donald	Deming

Gerichs, Walter	Linden, Indiana
Gibson, LeRoy	Belen
Gill, Joseph	Albuquerque
Gilstrap, Gurvis	Roy
Gore, Harold	Clovis
Gray, Ronald	Albuquerque
Harris, Gene	Albuquerque
Hodges, John	Albuquerque
Holland, Pauline	Roswell
Howard, Charles	Springfield, Ohio
Hussey, Mrs. Frances	Springerville, Arizona
Hutto, Claude	Albuquerque
Johnson, Stephen	Albuquerque
Kellahin, Jason	Roswell
Kimball, Larry	Los Angeles, California
Kitching, Robert	Larchmon, New York
Knotts, Georgia	Albuquerque
Knotts, Sarah	Albuquerque
Larrazolo, Paul	Albuquerque
Letton, Thompson	Elida
McGee, Maynor Fay	Las Cruces
McGuire, Emma Lee	Albuquerque
McGuire, Glen	Iola, Kansas
McKenzie, Robert	Denver, Colorado
McLanahan, Janet	Albuquerque
McSpadden, George	Albuquerque
MacGregor, J. C.	Albuquerque
Maddison, LeRoy	Albuquerque
Markl, Helen	Roswell
Mauger, Mrs. Esther P.	Albuquerque
Miller, Margaret	Santa Fe
Mitchell, Edgar	Albuquerque
Monson, Francis	Albuquerque
Moore, Rosebud	Albuquerque
Nichols, William	Clovis
Osuna, Edward	Albuquerque
Owen, Harry	Los Lunas
Owen, Marguerite	Los Lunas
Patten, Evelyn	Lovington
Patterson, Fred	Woodward, Oklahoma
Pearl, Francis	Wichita, Kansas
Pinson, Walter	Capulin
Ramey, Dan	Iola, Kansas
Ramsey, Harry	Albuquerque
Riordan, Frank	Albuquerque
Robinson, Joe	Tularosa
Schlick, Carl	Iola, Kansas
Schulmeister, Dorothy	Albuquerque

Senter, Donovan	Estancia
Severns, Ralford	Iola, Kansas
Shockey, Charles	Albuquerque
Shollenbarger, Dorothy	Logan
Simpson, Elaine	Corona
Smith, Charles D.	Albuquerque
Smith, Francis	Albuquerque
Spengler, John	Pekin, Illinois
Springwater, Herbert	Albuquerque
Stepan, Charles	Marshalltown, Iowa
Stofer, John	Gallup
Tankersley, Robert	Chicago, Illinois
Terry, Faye	Estancia
Tusha, Ercel	Elida
Vann, Lee	Albuquerque
Walton, Jack	Clovis
Wentworth, Mrs. Madelyn	Albuquerque
Wilkerson, William	Santa Fe
Williamson, Camille	Carlsbad
Womack, Fred	Mountainair
Woodson, Robert	Roanoke, Virginia
Wurm, William	Gallup
Yersin, William	Gallup

JUNIORS

Allen, Fritz	Albuquerque
Amador, Albert	Vallecitos
Applegate, Ruth	Santa Fe
Barela, John	Albuquerque
Becker, Virginia	Clayton
Berry, Jean	Fort Stanton
Bonner, Tedrowe	Fort Sumner
Botts, Mildred	Albuquerque
Bratton, Emma Lee	Albuquerque
Brown, Myrtle	Albuquerque
Brownlee, Mary	Santa Fe
Cagle, Reese	Roswell
Case, Janet	Aztec
Cherry, Thomas	Seminole, Oklahoma
Cisco, Robert	Nara Visa
Clark, Nellie	Albuquerque
Coe, Curtis	Maryville, Missouri
Conley, Vernita	Albuquerque
Cook, Fletcher	Albuquerque
Coombs, Ralph	Taos
Daily, Ruth	Albuquerque
Davies, William	Albuquerque
Devine, Paul J.	Springer
Dillon, Virginia	Albuquerque
Dinkle, Clifford	Albuquerque

Enloe, James	Albuquerque
Esquibel, Alfonso	Albuquerque
Farrell, Alice	Clayton
Fell, Dorothy	Albuquerque
Fernandez, Eloy	Springer
Fisher, Mrs. Grace R.	Albuquerque
Flynn, William Dana	Artesia
Foss, Joe	Magdalena
Foster, Wesley	Roswell
Garcia, Donaldo	Albuquerque
Gilbert, Beth	Alamogordo
Gill, Donald	Albuquerque
Goff, Harold	Albuquerque
Gonzales, Eugenio	Santa Fe
Gray, Reirdan	Ojo Feliz
Greenwald, John	Socorro
Griffith, William	Socorro
Harp, Ernest	Artesia
Hershfield, Harriet	Albuquerque
Hess, Sarah Ann	Albuquerque
Holt, Russell	Albuquerque
Homan, Lilburn	McIntosh
Howard, Leona	Jeffersonville, Indiana
Hutchinson, Joseph	Dexter
Ingalls, Henry	Roswell
Jacobsmeier, John	Clayton, Missouri
Jensen, Carl	Santa Fe
Johns, Charles	Carlsbad
Kellogg, Robert	Carthage, Missouri
Koch, J. O.	Albuquerque
Koch, Jocelyn	Albuquerque
Lawson, Tom L.	Tucumcari
Lee, Philip	Mount Vernon, Ohio
Lewis, Mrs. Elizabeth Holloman	Santa Fe
Loken, Ralph	Albuquerque
Luckett, Johnaphine	Wayland, Missouri
McAtee, Peter	Mountainair
McCormick, Alice	Albuquerque
McDowell, Archie	Albuquerque
McGillivray, Jean	Santa Fe
McGillivray, Jessie	Santa Fe
Mabry, Scott	Albuquerque
Martin, Katherine	Albuquerque
May, Byrnes	Albuquerque
Meeker, Charles	Pekin, Illinois
Meyer, Jack	Albuquerque
Meyers, William	La Grange, Illinois
Moses, Donald	Gamercio
Mozley, Joe	Albuquerque
Murphy, Kenneth	Monrovia, California

Nuanes, Juan	Albuquerque
Parsons, Critchell	Fort Sumner
Paulson, Jerome	Albuquerque
Pearson, Nancy	Roswell
Pettit, Mrs. Betty	Albuquerque
Pomerenk, May	Albuquerque
Reiter, Herbert	Santa Fe
Romero, Candido	El Valle
Seery, Alfred	Belen
Stamm, Helen	Chinook, Montana
Stamps, Arthur	Albuquerque
Steward, Agnes	Santa Ana, California
Stubbs, Helen	Albuquerque
Stumph, Roy	Albuquerque
Taggart, Thomas	Albuquerque
Weinert, Mrs. Margaret Ross	Alamogordo
Westfall, Archie	Dexter
White, Morgan	Springer
Wittwer, Fanny Belle	Los Lunas

SENIORS

Abelard, Marjorie	Santa Fe
Aldridge, John	Albuquerque
Ancona, Mrs. Nina	Albuquerque
Bess, Mildred	Marble Hill, Missouri
Bezemek, Marvin	Albuquerque
Boyd, George	Lovington
Brown, Woodlief	Albuquerque
Childers, Mary	Albuquerque
Conrad, Edith	Santa Fe
Davy, Margaret	Bernalillo
DeWitt, Edith	Albuquerque
Edwards, Kenneth	Albuquerque
Eller, Barbara	Albuquerque
Foraker, Margaret	Albuquerque
French, Mary Elizabeth	Albuquerque
Gutierrez, Ofimiano	Albuquerque
Hickman, Charles	Terre Haute, Indiana
Hobbs, Hulda	Roswell
Hogins, Estelle	Albuquerque
Howden, William	Albuquerque
Ingalls, Madge	Roswell
Judy, Mrs. Rebecca Fee	Albuquerque
Leonard, Harry	La Grange, Illinois
Levert, James A.	Baton Rouge, Louisiana

DIRECTORY OF STUDENTS

[207

Lewis, Romeo	Albuquerque
Lynch, Mae	Albuquerque
McKnight, Mary Helen	Albuquerque
Malone, G. Max	Albuquerque
Mason, Clara	Roswell
Matteucci, Gino	Albuquerque
Miller, Stanley	Belen
Morrison, Dorothy	Roswell
Morrison, George	Loving
Neal, Frank	Albuquerque
Nohl, Fred	Albuquerque
O'Connor, Louise	Crown Point
Osuna, Tom	Albuquerque
Pearson, Sarah	Tucumcari
Pomerenk, Dorothy	Albuquerque
Prentice, Florence	Tucumcari
Prince, James P.	Albuquerque
Reindorp, Reginald	Albuquerque
Reiter, Paul	Santa Fe
Rice, Lucien	Albuquerque
Rice, Roy	Albuquerque
Riley, Mrs. Bessie	Belen
Riley, Monte May	Tajique
Romero, Gregorita	Magdalena
Sharp, Jeffie	Albuquerque
Sherman, Betty	Trinidad, Colorado
Sherwood, Lucille	Dawson
Stuart, Annabelle	Roswell
Sutton, William	Sistersville, West Virginia
Taylor, Eleanor	Albuquerque
Thatcher, Margaret	Trinidad, Colorado
Thompson, Jay	Albuquerque
Vaught, Jethro	Albuquerque
Villa, Jose	Manila, Philippine Islands
Vivian, Gordon	Albuquerque
Walsh, Lawrence	Raton
Whistler, Carl	Albuquerque

COLLEGE OF EDUCATION

FRESHMEN

Abreu, Josephine	Albuquerque
Allen, Forrest	Albuquerque
Antoine, Helen	Albuquerque
Archuleta, Henry	Albuquerque
Armijo, Lila	Albuquerque

Baker, Iola	Deming
Barbe, Dorothy	Albuquerque
Barton, Ray	Albuquerque
Bebermeyer, Virginia	Albuquerque
Bietz, Margaret	Albuquerque
Black, Alta	Albuquerque
Burciaga, Estela	El Paso, Texas
Burton, Florence	Solano
Campbell, Sadie	Albuquerque
Carpenter, Philip	Monrovia, California
Chavez, Adela	Albuquerque
Chavez, Adolfo	Albuquerque
Chavez, Luciano	Magdalena
Cole, Mary Jane	Albuquerque
Compton, Martha	Albuquerque
Conrad, Carson	Albuquerque
Cox, James	Albuquerque
Cox, Lynden	Albuquerque
Crymes, Martha	Albuquerque
Day, James Warren	Roswell
DeGraftenreid, Mary E.	Albuquerque
Drury, Margaret	Albuquerque
Duran, Priscilla	Albuquerque
Elder, James B.	Clovis
Ellis, Marjorie	El Paso, Texas
Frank, Lila	Malaga
Freilinger, Lucile	Estancia
French, Laura	Albuquerque
Gallegos, Elias	La Madera
Gallegos, Paul	Santa Rita
Garber, Mary Jane	Albuquerque
Garcia, Archie	Clayton
Garcia, Beryl	Albuquerque
George, Velma	Des Moines
Griego, Anthony	Albuquerque
Gutierrez, Stella	Albuquerque
Haney, Bennie	Clayton
Harrington, Mrs. Agnes	Albuquerque
Harrison, Margaret	Roswell
Hayes, Loys	Albuquerque
Henry, Marjorie	Albuquerque
Hernandez, Antonia	Gallup
Herrera, Demetria	Albuquerque
Herrera, Josefta	Albuquerque
Hughes, Nellie	San Ysidro
Irvin, Dorothy	Albuquerque
Jackson, Zenolia	Albuquerque
Jones, Cornelia	Albuquerque
Jordi, Rose	Albuquerque
Joyce, Helen	Clovis

Komadina, Antonia	Dawson
Leftwich, Virginia	Albuquerque
Lloyd, Helen	Albuquerque
Long, Dorcas	Albuquerque
Luikart, Geraldine	Clovis
Lujan, Maggie	Albuquerque
Lyons, Anna	Albuquerque
McSpadden, Clarice	Albuquerque
Maldonado, Lupe	La Union
Martinez, Andres	Sandoval
Matthews, Martha	Albuquerque
Mauk, Beulah	Taiban
Meikle, Margaret	Dawson
Moore, Athena	Albuquerque
Morris, Elinor	Albuquerque
Morrison, Robert	Albuquerque
Mouriquand, Opal	Albuquerque
Moya, Benjamin	Grants
Napoleon, Marguerite	Albuquerque
Newlander, Hilda	Albuquerque
Noecker, Florence	Albuquerque
Nolasco, Soila	Albuquerque
O'Connor, Perry	Carlsbad
Odle, Edward	Lordsburg
Ortega, Nellie	Albuquerque
Ortega, Sofia	Albuquerque
Ortiz, Petrita	Pajarito
Ortiz, Reynalda	Santa Fe
Payne, Mrs. Dorothy Julian	Albuquerque
Perce, Milton	Albuquerque
Pfaff, Eva	Gallup
Pierce, Marian	Albuquerque
Redd, Thelma	Albuquerque
Reed, Florence	Fort Sumner
Rivera, Margaret	Albuquerque
Rodarte, Edward	Albuquerque
Rolland, Marjorie	Carrizozo
Romero, Epifanio	El Valle
Salazar, Rufina	Albuquerque
Salcido, Manuelita	Hot Springs
Sanchez, Prisca	Albuquerque
Shawhan, Andy	Frankfort, Indiana
Shockey, Mrs. Ruth	Albuquerque
Sifuentes, Mrs. Dora	Albuquerque
Sorrelle, Mary Frances	Los Angeles, California
Soringer, Mrs. Frances	Albuquerque
Story, Madge	Clovis
Thomson, Norma	Gallup
Trujillo, Rafael	Taos

Valdez, Jose	Dixon
Van Scoyk, Loma	Stanley
Viggers, Rose	Albuquerque
Williams, Dorothy	Moriarty
Wilson, Alice	Albuquerque
Yates, Luther	Albuquerque

SOPHOMORES

Aldridge, Harold	Manchester, Oklahoma
Anderson, Mrs. Margaret	Albuquerque
Aragon, Amadeo	Mora
Baca, Gertrude	Albuquerque
Bond, Helen	Carlsbad
Brannin, Virginia	Albuquerque
Brickley, Ruth	Carrizozo
Buehring, Ruth	Albuquerque
Candelaria, Emilia	Albuquerque
Carney, Mrs. Maxine Hobbs	Wichita, Kansas
Chacon, James	Albuquerque
Chacon, Lena	Albuquerque
Chappell, Minnie	Corona
Clark, Carrie	Deming
Coffey, Lucille	Albuquerque
Cook, Lelia	Fort Sumner
Crist, Elmer	Springfield, Ohio
Edmunds, Gwendolyn	Albuquerque
Elliott, Edith Lindy	Albuquerque
Emond, Louise	Fairview, Oklahoma
Finney, Sara	Albuquerque
Fitzgerald, Mary	Albuquerque
Foster, Josephine	Albuquerque
Garcia, Mrs. Beulah	Albuquerque
Gardner, Esther	Albuquerque
Gibbons, Ralph	Quincy, Illinois
Goodwill, Louise	Albuquerque
Hardin, Mrs. Mildred	Tularosa
Hays, Beatrice	Fort Sumner
Herrera, Timmy	Albuquerque
Hoover, Mrs. Dayl	Albuquerque
Howard, Mrs. W. R.	Albuquerque
Huffman, Harold	Albuquerque
Hughes, Mrs. Mary	Albuquerque
Hunter, Dorothy	Albuquerque
Jameson, Mildred	Albuquerque
Jennings, Dana Margaret	Surgoinsville, Tennessee
Jones, Charles M.	Glassboro, New Jersey
Komadina, Mary	Dawson
Kuntz, Joseph	Leighton, Pennsylvania

Lamb, Olive	Albuquerque
Lawrence, Bessie	Albuquerque
Lieberman, Joseph	Albuquerque
Liser, Frances	Albuquerque
Loudon, Louise	Albuquerque
Lovelace, Maxine	Albuquerque
McDonald, Clarabel	Albuquerque
McDonald, Estelle	Albuquerque
McDowell, Helen	Albuquerque
McIlroy, Alvin	Albuquerque
McKinley, Howard	Fort Defiance, Arizona
Mainz, Virginia	Albuquerque
Mewborne, Mary	Albuquerque
Meyer, Frances	Albuquerque
Moyer, Mary	Hanover
Nelson, Carl	Plain
Padilla, Angelina	Albuquerque
Pasho, Ruby	Albuquerque
Peery, Okel	San Jon
Perce, Emmarie	Albuquerque
Perea, Mrs. Josephine	Albuquerque
Quintana, Dora	Albuquerque
Renouard, Mrs. Jessie	Albuquerque
Reutinger, Otto	San Diego, California
Richards, Ruth	Albuquerque
Richardson, Grace	Antonito, Colorado
Rinehart, Mrs. Verne	Albuquerque
Roberts, Ava	Albuquerque
Rose, Irene	Albuquerque
Roszjer, Helen	Albuquerque
Sanchez, Carlotta	Albuquerque
Sandoval, Esther	Maxwell
Sargent, Hall	Santa Fe
Schafer, Lucille	Crested Buttes, Colorado
Schumann, Walt	Albuquerque
Scott, Charlie	Albuquerque
Shaffer, Wilma	Albuquerque
Shanks, Lillian	Centerville, Iowa
Sharp, Gayle	Dexter
Sherman, Louise	Albuquerque
Shortle, Alice	Albuquerque
Silver, Mrs. Bruce	Albuquerque
Sisney, Georgia	Tucumcari
Smith, Gladys	Thoreau
Smith, Hazel Glee	Albuquerque
Smith, William	Corsicana, Texas
Snell, Mrs. Dorothy	Albuquerque
Soto, Mrs. Bennie	Albuquerque
Springer, Fay	Albuquerque
Stengele, Dorothy	Lordsburg
Stewart, Mary E.	Albuquerque

Stirrat, Jean	Albuquerque
Suggs, Dorothy	Albuquerque
Tate, Willie	Henderson, Texas
Thomas, Gordon	Clovis
Trigg, Blanche	Fort Sumner
Trigg, Ralph	Fort Sumner
Triplett, Baylor	Texico
Ward, Lola	Artesia
Wheritt, Lucille	Hot Springs, South Dakota
Wiley, Lloyd	Albuquerque
Wiley, Margaret	Albuquerque
Williams, Marguerite	Knowles
Williams, Mary Jane	Hope
Yearout, Cora Cecilia	Albuquerque
Ziegler, Christine	Chattanooga, Tennessee

JUNIORS

Alderete, Frances	Albuquerque
Anderson, Roy	Springer
Baca, Beatrice	Hot Springs
Baca, Chonita	Albuquerque
Bailey, Revis	Farmington
Baldwin, Robert D.	Santa Fe
Bobo, Mrs. Irma Grow	Albuquerque
Brandebury, Mrs. Grace	Albuquerque
Brewer, Mrs. Pauline	Albuquerque
Breyfogle, Grace	Albuquerque
Chancey, A. B.	Silver City
Clark, Van Deusen	Deming
Connell, Mary Katherine	Albuquerque
Cook, Margaret	Albuquerque
Corn, Poe	Roswell
Cottrell, Dorothy	Albuquerque
Crymes, Elizabeth	Albuquerque
Deck, Helen	Greeley, Colorado
Duran, Lena	Albuquerque
Edwards, Pauline	Albuquerque
Farr, Velma	Capulin
Greenwald, Magdalene	Socorro
Grinstead, Juanita	Albuquerque
Gutierrez, Rudolf	Albuquerque
Hall, Ethelyn	Albuquerque
Hammock, Katherine	Albuquerque
Hand, Edna	Albuquerque
Heber, Helen	Albuquerque
Herby, Vera	Albuquerque

Hill, Kermit	Santa Fe
Howard, Wilbur	Albuquerque
Johnson, Betty	Roswell
Keller, Delight	Albuquerque
Kennedy, Mrs. Lois °	Albuquerque
Kerr, Nannie	Albuquerque
King, Mary L.	Houston, Missouri
Livingston, Margaret Ellen	Albuquerque
Lock, Mrs. Helen	Albuquerque
Lusk, Wilma	Silver City
McConnell, Mary	Albuquerque
McCoy, Dorothy	Albuquerque
McKinstry, Mrs. Jane	Albuquerque
Marron, Harriet	Albuquerque
Martinez, Joe	Logan
Martinez, Naomi	Tierra Amarilla
Masters, Paul	Albuquerque
Mayfield, E. L. Jr.	Albuquerque
Mayfield, Marguerite	Albuquerque
Monk, Harriet	Albuquerque
Moore, Margaret	Waverly, Kansas
Mossman, George	Albuquerque
Parenteau, Mildred	Albuquerque
Parker, Ethel	Albuquerque
Retick, Mrs. Lulu	Santa Fe
Riley, Ruth	Tajique
Roberson, Mrs. Kathleen	Batesville, Mississippi
Sanchez, Barbara	Albuquerque
Scheele, Elizabeth	Belen
Schmidt, Margaret	Albuquerque
Simpson, Glen	Albuquerque
Smathers, Millicent	Benton Harbor, Michigan
Snapp, Edwin	Mountainair
Soell, Edna	Albuquerque
Stanfill, Frances	Tucumcari
Stephens, Mrs. Edith	Albuquerque
Taylor, Ruth	Roy
Telles, Elias	Bent
Thomas, Annie Lee	Carlsbad
Trafton, Leland	Bemidji, Minnesota
Vigil, Aurora	Socorro
Walker, Charlotte Belle	Carlsbad
Walls, Mrs. Anna	Albuquerque
Wells, Lorena	Albuquerque
Wheritt, Irma	Hot Springs, South Dakota
Williams, Loyd	Downey, California
Withers, Edna	Lisco, Nebraska
Woolman, Mrs. Esther	Albuquerque

Yates, Mrs. Thomas L.	Albuquerque
Young, Mrs. Alorie Boyle	Albuquerque
Zeithing, Mrs. Julia Frazer	Dawson

SENIORS

Ames, Alice	Albuquerque
Andrews, Mrs. Flora	Albuquerque
Balling, Marie	Albuquerque
Bryant, Mrs. William Mary	Albuquerque
Clarke, Vioalle	Albuquerque
Cureton, Miles	Williams, Arizona
Draper, Nellie	Albuquerque
Fee, Catharine	Albuquerque
Fitzgerald, Ora	Albuquerque
Foster, Mannie	Albuquerque
George, Margaret	Des Moines
Glover, Mrs. Alice M.	Albuquerque
Good, Pete	Frankfort, Indiana
Grusendorf, Mrs. Bessie Johnson	Albuquerque
Gutierrez, Veneranda	Albuquerque
Hillebrand, E. Phillip	Selma, California
Joyce, Mrs. Sofia	Albuquerque
Kendrick, Robert C.	Albuquerque
Kersey, Thelma	Alamogordo
Kimbrough, Ina Evelyn	Albuquerque
McAtee, Walter	Mountainair
Moar, Hector	Los Angeles, California
Moore, Dorothy	Waverly, Kansas
Moyer, Elizabeth	Hanover
Omamn, Julius	Albuquerque
Palmer, Mrs. Willa F.	Albuquerque
Parker, O. L.	Albuquerque
Perce, Myrtle	Albuquerque
Poland, Bertha	Albuquerque
Quintana, Josefita	Albuquerque
Raiser, Paul	Clayton
Redle, Marion	Albuquerque
Risser, Anna	Albuquerque
Rose, Marie	Hollene
Sandoval, Jos. R.	Albuquerque
Schupp, Ona	Albuquerque
Sifuentes, Fernando	Albuquerque
Simpson, Jack	Albuquerque

Sotherland, Mrs. Saloma	Albuquerque
Stinnett, Rufus	Portales
Stirrat, May	Albuquerque
Stover, Haldane	Albuquerque
Thorne, Agnes	Carlsbad
Tucker, Louise	Roswell
Umberhine, Ethel	Santa Fe
Walker, Bertha	Albuquerque
Weaver, Ethel	Dexter
Webb, James	Albuquerque
Wells, Doris	Albuquerque
Wilson, Mrs. Clara	Albuquerque
Winsett, Olive	Albuquerque
Yearwood, Mrs. Bess	Albuquerque

COLLEGE OF ENGINEERING

FRESHMEN

Anderson, Dixie	Lufkin, Texas
Archuleta, Manuel	Chamita
Armijo, George	Albuquerque
Babcock, Nathan	Albuquerque
Beahm, Ernest	Albuquerque
Berberich, J. William	Valley Ranch
Bradley, Bob	Albuquerque
Brooks, Harold	Albuquerque
Bullington, Kenneth	Albuquerque
Bushnell, Tom	Clayton
Campbell, Allister	Cimarron
Chamberlin, James	Albuquerque
Clark, Ben	Albuquerque
Clement, Harold	Albuquerque
Cole, Richard	Aztec
Coleman, Guyon	Tucumcari
Cox, Leland	Tucumcari
Coy, Robert	Salem, Ohio
Creamer, Carlos	Rowe
Deck, Richard	Albuquerque
DeFoor, Irving	Las Vegas
Douglas, Francis	Carlsbad
Draper, Elmond	Clayton
Dutter, Hugh	Albuquerque
Gillenwater, Robert	Santa Fe
Haley, William	Owensboro, Kentucky
Harris, John	Albuquerque
Harrison, Foster	Inglewood, California
Hayes, James	Albuquerque
Hayward, Stewart	La Grange, Illinois

Hergert, Irvin	Perryton, Texas
Heron, Kenneth	Albuquerque
Hobson, Melvin	Albuquerque
Huff, Charles	Roswell
Humphries, Roy	Progress
Huning, Fred	Los Lunas
Hurst, George	Los Angeles, California
Jones, Charles B.	Clayton
Jones, Paul	Westfield, New York
Ksir, Joe	Albuquerque
LeMaster, Dick	Albuquerque
Looney, Currie	Tucumcari
Lucas, Bert	Albuquerque
McCullough, Norman	Clovis
Marchant, Ernest	Albuquerque
Meeks, Tom	Tulsa, Oklahoma
Miller, Verne	Albuquerque
Mitchell, Billy	Tularosa
Muir, Charles	Albuquerque
Murray, Wayne	Des Moines
Palmer, Robert	Denver, Colorado
Peters, Fyfe	Albuquerque
Pfleuger, Max	Santa Fe
Pool, Henry	Tucumcari
Price, Chilcott	Albuquerque
Rainey, Ralph	Dexter, Missouri
Reynolds, John	Albuquerque
Roehl, Tom	Albuquerque
Rogers, Roscoe	Las Animas, Colorado
Romero, Madero	Los Lunas
Rowan, Robert	Pekin, Illinois
Seery, George	Belen
Shearer, Ralph	Perryton, Texas
Sieglitz, Frank	Albuquerque
Simpson, Neal	Roswell
Tang, Chin Kwong	China
Teare, John	Santa Fe
Thomas, Herbert	Clovis
Wagner, Floyd	Albuquerque
Waldorf, Roger	Albuquerque
Webb, Bert	Albuquerque
Wells, William	Albuquerque
Whitehill, Harvey	Deming
Wicken, John	Trinidad, Colorado
Williams, Elwyn	Seymour, Missouri
Williams, Eugene	Clovis
Wilson, Caldwell	Albuquerque
Wilson, Grant	Albuquerque
Wilson, Harold	Albuquerque

DIRECTORY OF STUDENTS

[217

Wilson, James Dawson
Witherspoon, Dee Clovis

SOPHOMORES

Brake, George Clovis
Brogan, Francis Albuquerque
Canfield, William Albuquerque
Chamberlin, Fred Albuquerque
Charles, Ray Alamogordo
Cole, William Aztec
Coplin, Philip Bay City, Michigan
Dieffenbach, Max Westfield, New York
Dixon, Durwood Albuquerque
Earickson, Robert Fort Sumner
Fox, Vernon Albuquerque
Frank, Claire Albuquerque
Gibbs, Meyler Roy
Hall, John R. Santa Fe
Hanlon, Lawrence Willard
Lewis, Jay F. Los Angeles, California
Luke, John Albuquerque
McCarty, Tom Long Beach, California
McCoy, John Frankfort, Indiana
McPherson, Sam Grand Canyon, Arizona
Madera, Fred Carlsbad
Marmon, Walter Laguna
Matthews, Loren Roswell
Mayes, Chester Clovis
Munn, Hugh Albuquerque
Nelson, Harry Monrovia, California
Pierce, David Albuquerque
Shaver, Paul Mack Carrizozo
Shelton, Orville Capulin
Shoup, George Albuquerque
Stockton, James Earl Amarillo, Texas
Walton, Jean Clovis
Zirhut, Martin Albuquerque

JUNIORS

Blank, William Albuquerque
Cross, Warren Ogden, Utah

Fish, Stanley	Estancia
Foley, Neil	Manteca, California
Francis, Ancel	Clovis
Huffman, Elmo	Albuquerque
Lipp, Maurice	Roswell
McDowell, Lawrence	Albuquerque
Mendenhall, Henry	Albuquerque
Moyes, Cecil	Albuquerque
Officer, John	Raton
Officer, Robert	Raton
Perce, Marion	Albuquerque
Perkinson, William	Encino
Pilcher, John	Albuquerque
Redmond, James	Albuquerque
Sadler, James	Albuquerque
Scarritt, Edward	Roswell
Stamm, Allen	Albuquerque
Torres, Sinesio	Albuquerque
Trimble, Laurence	Albuquerque
True, Austin	House
Tully, Jimmie	Glencoe
Wood, Harold	Gallup

SENIORS

Bangerter, Harry	Clayton
Carter, Rufus	Albuquerque
Dorroh, John	Albuquerque
Harris, Robert	Albuquerque
Henderson, Carl	Albuquerque
Huffine, William	Raton
Luthey, Forrest	Albuquerque
Marquez, Daniel	Manila, Philippine Islands
Moses, Horace	Gamercio
Pelatoski, Stanley	Albuquerque
Phillips, Homer	Albuquerque
Seery, James	Belen
Thomas, Paul	Hill Side, New Jersey
Thompson, John	Albuquerque
Uhl, Dean	Farmington
Wylie, Lenuel	Albuquerque

THE GRADUATE SCHOOL

Barnhart, Mrs. Clara	Albuquerque
Bentley, L. Estelle	Huntsville, Missouri
Bisbee, Wallace	Bristow, Oklahoma
Bishop, Mrs. Irene	Albuquerque
Blackshare, Mrs. Jessie	Albuquerque
Bogert, Regis	Albuquerque
Calkins, Fred M.	Albuquerque
Chadbourne, Mrs. Elizabeth	Albuquerque
Claue, Lena	Wabash, Indiana
Cleveland, Mrs. Clyde	Albuquerque
Conlee, Carl S.	Albuquerque
Crosby, Sarah	Sheffield, Alabama
Crosno, Maude	Albuquerque
Dargan, Mrs. Lena	Albuquerque
Dimmitt, Eleanor	Kansas City, Missouri
Eller, Marian	Albuquerque
Ferguson, Marjorie	Colorado Springs, Colorado
Ferree, Cyrena	Albuquerque
Gould, Ralf	Albuquerque
Green, Ruth	Belgrade, Montana
Harrison, Peggy	Alamogordo
Hendon, Telfair	Birmingham, Alabama
Henry, Harriett	Albuquerque
Hernandez, Louis	Albuquerque
Hogrefe, Harry	Albuquerque
James, Helen D.	Albuquerque
Jenkins, Robert	Albuquerque
Jenkins, Mrs. Thelma	Albuquerque
Johnston, Dorothy	Augusta, Kansas
Jones, Volney	Llano, Texas
Keleher, Julia	Albuquerque
Kim, Oliver	Korea
Koch, Clinton H. S.	Albuquerque
Leeper, Ruth	Albuquerque
Linthicum, J. Buren	Albuquerque
Long, Callie	Ruston, Louisiana
Mackay, Roy	Albuquerque
Macleod, Mrs. Catherine	Albuquerque
Macleod, Norman	Albuquerque
Manire, L. Z.	Tatum
Mauger, Harry	Albuquerque
Meyer, Mrs. Beatrice	Albuquerque
Miller, D. Patrick	Albuquerque
Miller, Mrs. Myra	Albuquerque
Mitchell, George F.	Albuquerque
Mudd, William	Albuquerque

O'Connell, Margaret	Fort Dodge, Iowa
Page, Mrs. Dorothy	Albuquerque
Palmer, Roy S.	Albuquerque
Pooler, Mrs. Lolita	Albuquerque
Raillard, Leona	Albuquerque
Redwine, Mrs. Abby	Albuquerque
Reynolds, J. F.	Albuquerque
Rhodes, Rachel	Fort Dodge, Iowa
Roberts, Mrs. Bonnidell	Ottumwa, Iowa
Rush, Myrtle	Tulia, Texas
Russell, John	Albuquerque
Russell, Paul	Mesilla Park
Rutherford, Florence	Newman, Illinois
Shannon, Ernest	Albuquerque
Shannon, Frank	Walla Walla, Washington
Shannon, Mrs. Pearl	Albuquerque
Sharp, Mrs. Maywood	Albuquerque
Shaver, Wilson	Albuquerque
Shortle, Margaret	Albuquerque
Sieglitz, Ellis	Albuquerque
Sill, Thera	Albuquerque
Smith, Royale	Jourdanton, Texas
Stuart, Raymond	Roswell
Sturgeon, Kate	Albuquerque
Talley, Mrs. Lorena	Albuquerque
Vann, Richard	Albuquerque
Weil, Mrs. Ellen	Albuquerque
Wells, Louise	Albuquerque
Wentworth, Kenneth	Albuquerque
Wiley, Marion	Albuquerque
Yates, Thomas L.	Albuquerque

SPECIAL AND UNCLASSIFIED STUDENTS

Allen, Cora	Albuquerque
Almy, Mildred	Albuquerque
Apley, Gerald	Albuquerque
Attebery, Esther	Kirksville, Missouri
Baca, Dennis	Albuquerque
Baker, Mrs. Irene	Albuquerque
Bates, Roy	Albuquerque
Beahm, Mrs. Estelle Metz	Albuquerque
Berg, Manuel	Chicago, Illinois
Bethune, Mrs. Mildred	Pittsburgh, Pennsylvania
Bloom, Mrs. Anna	Albuquerque
Blount, Mrs. O. T.	Albuquerque
Brandon, Jerry	Lawton, Oklahoma
Burg, Cecil	Albuquerque
Burwinkle, Leo	Albuquerque

Carleton, E. V.	Albuquerque
Carnes, Mrs. Ruth	Albuquerque
Castetter, Mrs. Ellen	Albuquerque
Chou, Mildred	West City, Peiping, China
Clemans, Florence	Albuquerque
Cole, Mrs. David	Albuquerque
Conrad, Flora	Santa Fe
Curry, James	Albuquerque
Davidson, Mrs. Annie Lou	Carlsbad
De Vaney, Thomas	Frankfort, Indiana
Divers, Lois	Albuquerque
Edming, Walter	Albuquerque
Egli, Edwin	West Orange, New Jersey
Elleboudt, Walter	Buffalo, New York
Finn, Jennie Brook	Albuquerque
Fricke, Dorothea	Albuquerque
Giles, Albert	Albuquerque
Goodwill, A. P.	Albuquerque
Griswold, Mrs. Grace	Albuquerque
Hadden, Shelby	Albuquerque
Hannett, Mrs. Louise	Albuquerque
Hardin, David	Albuquerque
Haskell, Herman	Albuquerque
Hickman, Hector	Brownwood, Texas
Hill, John	Albuquerque
Hitchens, Lester	Albuquerque
Hofsess, Grace	Albuquerque
Hogrefe, Mrs. Helen	Albuquerque
Holmes, Mrs. Rhoda	Albuquerque
Houghton, Marie	Walsenburg, Colorado
Huber, Clarence	Albuquerque
Huffman, Gladys	Albuquerque
Huffman, Howard	Monrovia, California
Hutchinson, J. Malcolm	Oklahoma City, Oklahoma
Jackson, Achsa Irene	Oakwood, Ohio
Jones, Georgia	Albuquerque
Jones, Mrs. Irene	Albuquerque
Keech, Roy	Milwaukee, Wisconsin
Levagood, Edith	Albuquerque
Lippincott, Mrs. Annabelle	Albuquerque
McClanahan, Mildred	Mount Ayr, Iowa
McCollum, J. R.	Albuquerque
Madera, Malcolm	Carlsbad
Miller, Mrs. Edith	Albuquerque
Miller, Mrs. Maribelle	Albuquerque
Mitchell, Mrs. Grace	Albuquerque
Moen, Mrs. Agnes	Albuquerque
Montgomery, Eugene	Albuquerque

Neuffer, Mrs. Virginia	Albuquerque
Nicastri, Paul	Italy
Osborne, Blanche	Albuquerque
Parenti, Paul	Albuquerque
Prescott, George	Albuquerque
Rey, Mrs. Sallie	Albuquerque
Salazar, Annie	Albuquerque
Samuels, Ralph	Chicago, Illinois
Sandefur, Fred	Monrovia, California
Schmidt, Caroline	Albuquerque
Schulz, Mrs. Elsie	Albuquerque
Sewell, Mrs. Nelda	Albuquerque
Shaw, Wesley	Albuquerque
Slocum, Frank	Albuquerque
Smith, Frances	Albuquerque
Solether, Alta	Albuquerque
Strumquist, Niles	Albuquerque
Swanberg, Gustav	Sweden
Thompson, Winifred	Albuquerque
Tireman, Mrs. Loyd S.	Albuquerque
Trombley, Mrs. Verona	Belen
Ventolo, Marie	Albuquerque
West, Mrs. Lucretia	Albuquerque
Westlake, Mrs. Inez	Albuquerque
White, John	Albuquerque
Whitmer, Mrs. T. E.	Albuquerque
Williams, Corinne	Estancia
Wilson, Mrs. Bertha	Albuquerque
Wilson, Dorothy	Albuquerque
Woolery, Max	Iola, Kansas

EXTENSION DIVISION

CORRESPONDENCE COURSES

Abousleman, Barbara	Jemez Springs
Alvarado, Isaac L.	Santa Rosa
Ames, Alice	Wichita, Kansas
Archuleta, Ricardo	Espanola
Arozena, Frances	Hollywood
Baca, Mrs. J. F.	Socorro
Baca, Rumaldita	Socorro
Barnett, Barbara Anne	Fulton, Kansas
Bartholmees, Helene L.	Denver, Colorado
Basil, Sister Mary	Costella
Benedict, Brother Adrian	Santa Fe
Berry, Hazel	Lovington
Blee, Margaret	Lexington, Missouri

DIRECTORY OF STUDENTS

[223

Bovey, John R.	Norton
Burch, Inis L.	Pie Town
Bursum, Betty	Socorro
Cabeen, Mrs. Maude	Cuba
Callahan, Lillie	Clayton
Carter, Esta	Luray, Missouri
Clarke, William J.	Dulce
Colbert, J. H.	Satanta, Kansas
Colvin, Mary Grace	Gibsland, Louisiana
Cook, Mrs. Sarah	Espanola
Cowan, Sidney	Sierra Blanca, Texas
Curtis, Ward	Mountain Park
Dillard, Leila	Carlsbad
DuBois, Geraldine	Corona
Duggan, Elizabeth	Santa Fe
Espinosa, Alfonso	Espanola
Ethridge, Mrs. Zola	Claunch
Evans, Sadie E.	Towaoc, Colorado
Fenton, Agnes M.	Santa Rosa
Flock, Mary Margaret	Mobile, Alabama
Forster, Carolyn	Rusk, Texas
Foster, Mrs. Elizabeth	Albuquerque
Francis, Brother Nil	Bernalillo
Fyke, Wren	Weatherford, Texas
Garcia, Donaldo	Albuquerque
Gassman, Sarah	Stanley
Gatlin, Harriet K.	Albuquerque
Graham, Edna	Lovington
Grandjean, Louise	San Marcial
Granito, Marie Antoinette	Cerrillos
Greene, Mollie	Mountainair
Haldeman, Janie	Enid, Oklahoma
Hand, Edna	Albuquerque
Harding, Mabel	San Diego, California
Hendron, Mrs. J. H.	Albuquerque
Henry, Brother Berchmans	Bernalillo
Hofheins, Estelle	Jemez Springs
Horton, Mrs. Alma	Albuquerque
Hough, Vera	Las Cruces
Houston, Madeline	Albuquerque
Hurt, Margaret	Tuskegee, Alabama
Irving, Georga H.	Mountainair
Johnson, Mrs. Mildred B.	Stanley
LaFollette, A. C.	North Vernon, Indiana
Laidlaw, Vera	Greens Gap
Landers, G. V.	Hot Springs
Lee, Clyde	Lubbock, Texas
Lewis, Jay F.	Venice, California
Lock, Mrs. Helen	Albuquerque

Looney, Mrs. Katherine F.	Albuquerque
Lucero, Tony	Albuquerque
McCullough, Frances	San Marcial
McFarland, Mrs. Katherine	Mosquero
McKnight, Mary Helen	Albuquerque
Mace, Mrs. Pearl	Lindreth
Metcalf, Carmen	Melrose
Moore, Mrs. Hazel	Estancia
Morgan, M. E.	Alamogordo
Morris, Mrs. Era	Marcia
Nelson, Mrs. Lucy	Los Angeles, California
Parker, Ethel	Albuquerque
Perea, Josephine	Albuquerque
Roberts, Ava	Albuquerque
Rousseau, Jacqueline	Santa Fe
Sanchez, Carlotta	Albuquerque
Schweigert, Emma May	Santa Fe
Scott, Johnny Vee	Fort Sumner
Seery, Katherine	Belen
Shahan, Mrs. Ruby E.	Sandia Park
Sisk, Helen	Albuquerque
Smith, Mrs. Birda Imhoff	Escabosa
Smith, Martha E.	Santa Fe
Swayne, William	Albuquerque
Thompson, Lauveve	Cimarron
Timmerman Althea	Perico, Texas
Unes, Louise	Cuba
Williams, Alice Ruth	Hope
Williamson, Camille	Dallas, Texas
Withgott, Margaret	Albuquerque

NON-RESIDENT CLASSES

Adrian, Brother Benedict	Santa Fe
Albert, Brother Alphonsus	Santa Fe
Alfred, Brother Alexander	Santa Fe
Allen, Olive	Clovis
Anderson, Mrs. Seymour	Santa Fe
Apodoca, Miquala	Socorro
Archuleta, Ricardo	Espanola
Augustine, Brother	Bernalillo
Baca, Conrado A.	Socorro
Baca, Felida	Socorro
Baca, Jennie	Socorro
Baca, Josefita	Socorro
Baca, Rumaldita	Socorro
Baca, Santiago	Socorro
Benedict, Brother Adrian	Bernalillo
Benildus, Brother	Santa Fe

Benjamin, Brother	Santa Fe
Berchmans, Brother	Santa Fe
Blee, Margaret	Lexington, Missouri
Borrego, Genoveva	Espanola
Bursum, Betty	Socorro
Camillus, Brother Brendan	Santa Fe
Cleophas, Brother August	Bernalillo
Clinkscales, Orlene	Santa Fe
Cook, Mrs. Sarah	Espanola
Crespin, J. C.	Socorro
Cronin, Mrs. Elsie S.	Socorro
Davis, Ruby Irene	Clovis
De Vargas, Qurino	Espanola
Dodge, Mrs. Allison	Santa Fe
Dodge, Thomas K.	Santa Fe
Espanosa, Alfonso	Espanola
Evans, Bertha	Clovis
Fidelis, Brother Barnaby	Bernalillo
Frances, Sister Jane	Bernalillo
Frances, Brother Nil	Santa Fe
Frye, Dorothy	Santa Fe
Fullerton, Elvina L.	Santa Fe
Furbee, Mrs. Mary E.	Fort Sumner
Gallegos, Lenore	Socorro
Garcia, Boleslo	Socorro
Garcia, Cecelia	Socorro
Garcia, Genevieve	Socorro
Garcia, J. D.	Espanola
George, Brother Christian	Santa Fe
Gerhardt, Clara	Taiban
Gonzales, Anita	Santa Fe
Grandjean, Louise A.	San Marcial
Grosshaus, John H.	Santa Fe
Guillen, Henry	Espanola
Gutierrez, Mary	Socorro
Haddock, Mrs. Pearl V.	Socorro
Henry, Brother Berchmans	Bernalillo
Henry, Mrs. Hazel	Espanola
Holterman, A. C.	Espanola
Hunleth, Sister Frances Aloys	Santa Fe
Hutchins, Sister Mary Reginald	Santa Fe
Hyde, B. T. B.	Santa Fe
James, Brother Benignus	Santa Fe
Jameson, R. L.	St. Vrain
Jensen, J. K.	Santa Fe
Joerns, Gloria	Santa Fe
Jones, Hester	Santa Fe
Joseph, Brother August	Santa Fe
Kegel, Mrs. L. K.	Santa Fe
Knight, Lucy C.	Santa Fe

Lewis, Brother Berchmans	Santa Fe
Lincoln, Mrs. O. H.	Santa Fe
Loomis, Mrs. Anna	Espanola
Lopez, Ernesto	Espanola
Lopez, Guadalupe	Socorro
Lucero, Augustine R.	Socorro
McCullough, Frances	San Marcial
Miller, Alice Elizabeth	Santa Fe
Montoya, Concepcion	Socorro
Moore, Charles W.	Santa Fe
Morris, Irene	Espanola
Moulton, Mrs. Harry	Santa Fe
Neal, Mrs. Lois	Fort Sumner
Nestor, Sister Mary Nestora	Santa Fe
Nisbet, Mrs. Gladys	Fort Sumner
Ortiz, Emily	Santa Fe
Ortiz, Mabel	Santa Fe
Owens, Mrs. Ruth D.	Santa Fe
Pablo, Brother Benjamin	Santa Fe
Patrick, Brother Bruno	Santa Fe
Patterson, Janie E.	Santa Fe
Peralta, E. C.	Socorro
Peter, Brother Aloysius	Santa Fe
Phillips, Mrs. Annie	Taiban
Reiter, Mrs. Anna	Santa Fe
Rodriguez, Mary	Santa Fe
Rogers, Sister Mary Elvira	Santa Fe
Roibal, Ruby	Santa Fe
Rosalita, Sister Mary	Bernalillo
Roybal, Brother Aloysius	Santa Fe
Salazar, Henry	Espanola
Schweigert, Emma	Santa Fe
Schmuck, Fred	Santa Fe
Sena, Frances	Espanola
Serindat, Brother Jean	Santa Fe
Serna, Tony	Espanola
Smith, Mrs. Elizabeth	Santa Fe
Smith, Martha E.	Santa Fe
Stamm, Winifred R.	Santa Fe
Stapleton, Ernest	Socorro
Stout, Mrs. Addie	Santa Fe
Swingle, Mrs. Myrtle	Santa Fe
Taylor, Lucy J.	Santa Fe
Torres, Edward E.	Socorro
Torres, Juan B.	Socorro
Van Dyken, Joan	Santa Fe
Vaughan, Rosa	Fort Sumner
Vigil, Dolores	Socorro
Vigil, Irene	Socorro

Walker, Mrs. Claribel	Santa Fe
Walter, Paul A. F.	Santa Fe
Walter, Mrs. Paul A. F.	Santa Fe
Waters, Edna Irene	Santa Fe
West, Susie	Santa Fe
White, Mrs. Thomas	Santa Fe
Womelsduff, Frank	Espanola
Yontz, Mrs. Grace	Santa Fe

SUMMER SESSION, 1930

Abelard, Marjorie	Santa Fe
Adams, Forrest	Taos
Albers, Mrs. Iola Reid	Albuquerque
Albritton, Mrs. Alva	Carlsbad
Alfaro, Estella	Antonito, Colorado
Allen, Leonard	Ironton, Minnesota
Ance, Mrs. Ina Mae	Crown Point
Ancona, Mrs. Nina	Albuquerque
Anderson, Laura Lou	Albuquerque
Anderson, Mamie	Fort Apache, Arizona
Anderson, Mrs. Margaret Belle	Belen
Andrews, Mrs. Flora	Albuquerque
Aragon, Mrs. Cleotilde S.	Albuquerque
Aragon, Josie	Albuquerque
Archibeck, Sadie	Albuquerque
Arnold, Mrs. Helen H.	Albuquerque
Arozena, Rosa	Bernalillo
Artz, Mrs. Helen	Albuquerque
Auferoth, Emma	Albuquerque
Ayala, Anita	Albuquerque
Baca, Chonita	Albuquerque
Baca, Dennis	Albuquerque
Baca, Gertrude	Albuquerque
Baca, Josefita	Socorro
Baca, Manuel A.	Tome
Baca, Santiago	Socorro
Bacon, Mrs. Ruth	Albuquerque
Balling, Marie	Albuquerque
Barnes, Gwendolyn	Roswell
Barnes, W. L.	Tecumseh, Nebraska
Barnhart, Mrs. Clara	Albuquerque
Barreras, Mrs. Eraclia	Albuquerque
Beahm, Mrs. Estelle Metz	Albuquerque
Bedinger, Lillian	Portales
Begley, Ruby	Estancia
Behan, Theresa	Ironton, Minnesota
Benham, Jaynes Prescott	Cleveland, Ohio
Bennett, Eleanor	San Antonio, Texas
Bentley, L. Estelle	Huntsville, Missouri
Bigelow, Mrs. Cora	Albuquerque
Bishop, Mrs. Irene	Albuquerque
Blattman, Mrs. Leila	Zuni

Bobo, Mrs. Irma Grow	Albuquerque
Boozer, Lester	Silver City
Botts, Mildred	Albuquerque
Bowers, Dell	Albuquerque
Bowers, Nell	Albuquerque
Brazil, Mrs. Marie	Scholle
Brewer, Mrs. Pauline	Albuquerque
Bright, Philip	Los Lunas
Brooks, Audrey Lois	Albuquerque
Brophy, Sister M. Clare	Penasco
Brown, Edith	Creston, Iowa
Brown, Jennie Mae	Bellview
Brown, Rose	Albuquerque
Bruce, Richard	Vaughn
Bryant, Mrs. William Mary	Albuquerque
Bryson, Dorothy	Albuquerque
Buehring, Ruth	Albuquerque
Burgess, Mrs. Cleone	Grants
Burt, Nellie	Albuquerque
Bustamante, Rose	Albuquerque
Butler, Bertha	Corona
C. de Baca, Nathaniel	Albuquerque
Cabeen, Mrs. Henriette Maude	Cuba
Cail, Mrs. Helen	Albuquerque
Calhoun, Mrs. Helen	Belen
Calkins, Fred M.	Albuquerque
Callahan, Lillie	Clayton
Campa, David	Albuquerque
Candelaria, Emilia	Albuquerque
Carey, Cora Belle	Albuquerque
Carriere, Alice	Albuquerque
Case, Clara	Albuquerque
Castillo, Aurora	Belen
Castillo, Florela	Belen
Castillo, Margaret	Albuquerque
Castillo, Pedro	Lemitar
Chacon, James	Albuquerque
Chacon, Lena	Albuquerque
Charles, John	Blanco
Chatham, Ann	Gallup
Chavez, Adela	Albuquerque
Chavez, David	Lemitar
Chavez, Joe Angel	Albuquerque
Chavez, Sarah	Albuquerque
Chinn, Austin	Carmel, California
Chitwood, Mrs. Mary	Fort Apache, Arizona
Clarke, Vioalle	Albuquerque
Clayton, Marcella	Roswell
Coe, Curtis	Maryville, Missouri
Coe, Mrs. Louise	Glencoe
Coleman, Edith	Albuquerque
Collins, Kittye	Albuquerque
Connelly, Sister M. Nolasco	Penasco
Connor, Wesley, Jr.	Santa Fe
Conrad, Flora	Santa Fe
Conrad, Jean	Santa Fe

Constant, Nadine	Santa Fe
Cook, Fletcher	Albuquerque
Cook, Mrs. Hazel C.	Albuquerque
Cook, Lelia	Fort Sumner
Cook, Leo	Niles, Michigan
Cook, Mrs. Sarah A.	Espanola
Cook, Sarah Louise	Albuquerque
Copeland, Anna	Albuquerque
Cordova, Mrs. Lenore	Belen
Costales, Beatriz	Albuquerque
Costales, Edelmira	Albuquerque
Cox, A. Tillman	Calipatria, California
Cox, Louise	Albuquerque
Craft, Ruth Emma	Albuquerque
Crawford, Marion	Albuquerque
Cristy, Edward	Albuquerque
Crosno, Maude	Albuquerque
Cullers, Lois	Moriarty
Cureton, Miles	Roswell
Currier, Ruth	Albuquerque
Cutler, Victor	Albuquerque
Daniell, Lottie B.	Gavilan
Dargan, Mrs. Lena	Albuquerque
Davis, Mrs. Frances	Albuquerque
Davis, Josephine	Moriarty
DeLancey, Lois	Fort Wayne, Indiana
Delles, Mrs. Beulah	Los Lunas
Dinkle, Clifford	Albuquerque
Downes, Sister M. Norena	Dixon
Dozier, Louise	Albuquerque
Draper, Nellie	Albuquerque
Duffield, Gladys	Albuquerque
Dufur, Mrs. Elizabeth	Aztec
Dunn, Dorothy	Santo Domingo
Duran, Lena	Albuquerque
Dutton, Marion	Albuquerque
Easterday, Floyd	Seligman, Arizona
Edwards, Mrs. Anna Reardon	Albuquerque
Edwards, Pauline	Albuquerque
Eitzen, Jane	St. Louis, Missouri
Eller, Barbara	Albuquerque
Elliott, Bernice	Albuquerque
Enloe, James	Albuquerque
Esquibel, Alfonso	Albuquerque
Ethridge, Mrs. Zola	Claunch
Evans, Sadie	Towaoc, Colorado
Fee, Catharine	Albuquerque
Fenlon, G. L.	Dawson
Ferguson, Jamie K.	Phoenix, Arizona
Finnell, Jean	Albuquerque
Fishburn, Mrs. Ada	Phoenix, Arizona
Fitzgerald, Ora	Albuquerque
Flaniken, Corinne	Jacksonville, Texas
Fleet, Walter	Tecumseh, Oklahoma

Flynn, William Dana	Artesia
Flynn, William James	Albuquerque
Foraker, Margaret	Albuquerque
Foreman, Vita	Clovis
Foster, Vera	Cedarvale
French, Mary Elizabeth	Albuquerque
Fricke, Dorothea	Albuquerque
Fulfur, Mrs. Eleanor	Albuquerque
Gallegos, Pita	Albuquerque
Garcia, Dolores	Albuquerque
Garcia, Genevieve	Socorro
Garcia, Ignacio	Torreon
Garcia, Virginia	Albuquerque
Gardner, Esther	Albuquerque
Gardner, Mary	Albuquerque
Gassman, Sarah	Stanley
Gates, Margaret	McIntosh
George, Margaret	Des Moines
Gibson, Sister M. Lorraine	Penasco
Giesler, Rosamond	Albuquerque
Glendenning, Anna	Hartshorne, Oklahoma
Glover, Mrs. Alice M.	Albuquerque
Goff, Russell	Albuquerque
Gonzales, Amalia	Albuquerque
Gonzales, Anita	Santa Fe
Gonzales, Mrs. Jennie	Albuquerque
Gonzales, Ramon	Tome
Good, Pete	Frankfort, Indiana
Goodwill, Louise	Albuquerque
Gore, Harold	Clovis
Grammer, Mrs. Maurine	Albuquerque
Green, Helen	Artesia
Green, Mary Beth	Albuquerque
Grinstead, Juanita	Albuquerque
Grubbe, Ida	Trenton, Missouri
Grusendorf, Mrs. Bessie Johnson	Albuquerque
Gutierrez, Isadora	Gallup
Gutierrez, Mary	Albuquerque
Gutierrez, Rudolph	Albuquerque
Gutierrez, Stella	Albuquerque
Hager, Mrs. N. Irene F.	Crown Point
Hall, Ethlyn	Albuquerque
Hall, John R.	Santa Fe
Ham, Emma Lee	Silver City
Hammock, Katherine	Albuquerque
Harwood, Thelma	Albuquerque
Hashbarger, William H.	Towaoc, Colorado
Haskell, Herman	Albuquerque
Hays, Faye	Estancia
Heber, Helen	Albuquerque
Heller, Emma	Cabezon
Hendon, Telfair	Birmingham, Alabama
Henry, Harriett	Albuquerque
Hernandez, Louis	Albuquerque
Herrera, Mrs. Laura K.	Crown Point

Herrera, Timmy	Albuquerque
Herring, L. B.	Mineral Wells, Texas
Hess, Sarah Ann	Albuquerque
Hill, Mrs. Hazel	Albuquerque
Hillebrand, E. Phillip	Selma, California
Hix, Mrs. Dorothy	Albuquerque
Hogins, Estelle	Albuquerque
Holland, Marie	Santa Fe
Hollingshead, Billie	Albuquerque
Holmes, Mrs. Sarah	Albuquerque
Hono, Bessie	Zuni
Horton, Esther	Albuquerque
Hough, Vera,	Janesville, Wisconsin
Howard, Wilbur	Albuquerque
Howard, Mrs. W. R.	Albuquerque
Hubbell, Mrs. Helen	Albuquerque
Hubbell, Louise	Albuquerque
Hughes, Leona	Moriarty
Hughes, Mrs. Mary S.	Albuquerque
Ingalls, Henry	Roswell
Israel, Mrs. Olive E.	Cloudcroft
Israel, T. C.	Cloudcroft
Jackson, Owen L.	Albuquerque
Jagow, Harry	Albuquerque
Johnson, Mrs. Mildred Barnhart	Albuquerque
Johnson, Trixie	Albuquerque
Johnson, Victor	Albuquerque
Jones, Floyd	Albuquerque
Jones, Lola	Corona
Jones, Manford	Kosse, Texas
Joyce, June	Carlsbad
Judy, Mrs. Rebecca Fee	Albuquerque
Kahnt, Beulah	Albuquerque
Kay, Ruth	Albuquerque
Keeler, Alleene	Davenport, Iowa
Kendrick, R. C.	Albuquerque
Kennedy, Cleopha	Albuquerque
Kerr, Nannie	Albuquerque
Kersey, Thelma	Alamogordo
Killough, Mrs. Laura	Belen
Kim, Oliver	Korea
Kimbrough, Ina Evelyn	Albuquerque
Landavazo, Fred	Atarque
Laugman, Marguerite	Chicago, Illinois
Lawrence, Bessie	Albuquerque
Lawrence, Stella	Albuquerque
Lawson, Tom	Tucumcari
Lemke, Adelia	Waverly, Iowa
LeSueur, Mrs. Sadie	Flagstaff, Arizona
Letton, Thompson	Elida
Levert, James Alton	Baton Rouge, Louisiana
Lindsay, Mrs. Lois	Albuquerque
Linn, Gladys	Roswell

Linton, Mrs. Clara	Las Cruces
Linton, Melvy E.	Las Cruces
Little, Sara	Mescalero
Loken, Ralph	Albuquerque
Lopez, Alfredo	Albuquerque
Love, David B.	Mountainair
Lovelace, Maxine	Albuquerque
Low, Frank	Albuquerque
Low, Mrs. Lorena	Albuquerque
Lucas, Mrs. Isabel	Albuquerque
Lucero, Isadora	Albuquerque
Lucero, Tony	Albuquerque
Ludwig, Mrs. Angela	Ironton, Minnesota
Lujan, Felicitas	Albuquerque
Lujan, Rita	Albuquerque
McCall, Albert	Ignacio, Colorado
McCarthy, Gladys	Albuquerque
McClure, Elma	Magdalena
McComas, Eupha	Albuquerque
McConnell, Mary	Albuquerque
McCoy, Dorothy	Albuquerque
McCullough, Frances	Albuquerque
McDonald, Clarabel	Albuquerque
McDonald, Mabel	Albuquerque
McDowell, Helen	Albuquerque
McGowan, Gertrude	Albuquerque
McGowan, Mrs. Janet	Albuquerque
McGrath, Merle	Belen
McKinstry, Mrs. Jane	Albuquerque
McKnight, Mary Helen	Albuquerque
McLanahan, Janet	Albuquerque
McMelan, Marion	Las Cruces
Mace, Mrs. Pearl	Albuquerque
MacKay, Roy	Albuquerque
Macleod, Mrs. Catherine	Albuquerque
Macleod, Norman	Albuquerque
Maddison, LeRoy	Albuquerque
Madril, Mollie	Lamy
Maher, Mrs. Josephine	Cibecue, Arizona
Maher, Raymond	Cibecue, Arizona
Mainz, Virginia	Albuquerque
Malone, Larry	Albuquerque
Maloney, Mrs. Barbara	Norton
Manire, L. Z.	Tatum
Markl, Helen	Roswell
Marmon, Miriam	Laguna
Marron, Margaret	Albuquerque
Marshall, Mrs. Alice	Gallup
Martinez, Mrs. Adilla	Taos
Martinez, Albina	Albuquerque
Martinez, Alfredo	Albuquerque
Martinez, Isaac	Tierra Amarilla
Martinez, Naomi	Tierra Amarilla
Matthew, Janet	Albuquerque
Mattingly, Faudelma	Albuquerque

Mauger, Harry	Albuquerque
Meadows, Anna	Estancia
Mearns, Evelyne	Albuquerque
Melaas, Hazel	Carrizozo
Mewborne, Mary	Albuquerque
Meyer, Charles	Albuquerque
Meyer, Frances	Albuquerque
Mier, Nellie	Deming
Miller, Mrs. Edith	Albuquerque
Miller, Stanley	Belen
Mitchell, P. L.	Cedarvale
Molinar, Laura	Deming
Monahan, Tessie	Albuquerque
Montgomery, Mary Lucy	Roswell
Montoya, Solomon	Turn
Moore, Mrs. Hazel	Estancia
Moore, Mrs. Violet	Albuquerque
Morrison, Mrs. Aimee	Albuquerque
Morrison, George	Loving
Morrison, Homer	Albuquerque
Morrow, Mabel	Zanesville, Ohio
Moya, Benjamin	Grants
Moyer, Elizabeth	Hanover
Mover, William	Laguna
Mullison, Mrs. Helen	Albuquerque
Mulroney, Jane	Albuquerque
Mulvaney, Jennie	Belen
Munnell, Dan	Albuquerque
Nelson, Carl	Plain
Nelson, Elizabeth	Iola, Kansas
Neptune, Mrs. Mary	Albuquerque
Nolasco, Soila	Albuquerque
Nowlin, Ada	Roy
Nutty, George	Albuquerque
O'Connell, Margaret	Fort Dodge, Iowa
O'Connor, Louise	Crown Point
Oldham, Olive	Albuquerque
Oliver, Jay	San Francisco, California
Olson, Mabel	Albuquerque
Ortiz, Emily	Santa Fe
Ortiz, Petrita	Albuquerque
Osuna, Benjamin	Albuquerque
Otero, Teresa	Albuquerque
Owen, Marguerite	Los Lunas
Padilla, Angelina	Albuquerque
Padilla, Mrs. Crisanta	Cubero
Palmer, Paul	McMechen, West Virginia
Parker, Mrs. Cora	Albuquerque
Parker, Helen	Houston, Missouri
Parker, O. L.	Albuquerque
Paulsen, Corder	El Reno, Oklahoma
Pearce, Berle	Laclede, Missouri
Peirpoint, Mrs. Blanche	Fort Bayard
Penny, G. Elwood	Albuquerque

Perea, Mrs. Josephine	Albuquerque
Perkinson, William	Encino
Pettit, Mrs. Betty	Albuquerque
Peverley, Barbara	Belen
Pfaff, Eva	Gallup
Pharo, Jessie	Towaoc, Colorado
Philbrick, Mrs. Ruth	Albuquerque
Pino, Ida	Albuquerque
Pino, Selfa	Albuquerque
Platero, Mae	Albuquerque
Poland, Bertha	Albuquerque
Pollock, Mrs. Genevieve	Albuquerque
Poncho, Sarah	Cubero
Prevost, Sister M. Aquilina	Santa Cruz
Pryor, Mrs. Mary	Albuquerque
Pulliam, Psyche	Arrey
Quintana, Dora	Albuquerque
Rainey, Ralph	Albuquerque
Reardon, William	Albuquerque
Redman, Mrs. Bess	Albuquerque
Redwine, Mrs. Abby	Albuquerque
Rees, May	Albuquerque
Reindorp, Reginald	Albuquerque
Reising, Edith	Los Lunas
Rice, Roy	Albuquerque
Richards, Fred	Fort Defiance, Arizona
Riley, Mrs. Bessie	Belen
Riley, Monte May	Estancia
Riley, Ruth	Estancia
Roberson, Katherine	Estancia
Roberson, Luciester	Portales
Roberts, Alda	Roswell
Robertson, Gentry	High Rolls
Romero, Eloisa	Peralta
Roszjer, Helen	Albuquerque
Rowe, Catherine	Albuquerque
Rowley, Lucile	Portales
Royce, Mrs. Jeanette	San Bernardino, California
Russell, Mrs. Aimee	Albuquerque
Russell, John	Albuquerque
Salazar, Annie	Albuquerque
Salazar, M. M.	Tome
Salazar, Rufina	Albuquerque
Sanchez, Adelino	Tome
Sanchez, Alice	Albuquerque
Sanchez, Anna	Albuquerque
Sanchez, Mrs. Anna P.	Albuquerque
Sanchez, Barbara	Albuquerque
Sanchez, Carlotta	Old Albuquerque
Sanchez, Cosme	Tome
Sanchez, Florinda	Albuquerque
Sanchez, George I.	Albuquerque
Sanchez, Jose	La Joya
Sanchez, Manuel	Tome
Sanchez, Prisca	Albuquerque

Sanchez, Rafael	Belen
Sandoval, Mrs. Candelaria	Albuquerque
Sandoval, Frank	Estancia
Sandoval, Lawrence	Wagon Mound
Sandoval, Mabel	Albuquerque
Sandoval, Petrita	Albuquerque
Sandoval, Thomas	Albuquerque
Scales, Nan B.	Aspen, Colorado
Scheele, Elizabeth	Belen
Scheele, Helene	Belen
Schmidt, Caroline	Albuquerque
Schmidt, Margaret	Albuquerque
Schmuck, Fred	Santa Fe
Schultz, Mrs. Elsie	Albuquerque
Schupp, Ona	Albuquerque
Scott, Mrs. Velma	Santa Rita
Sedillo, Theresa	Monticello
Sellers, Dorothy	Mountainair
Shallenberger, Edith	Albuquerque
Shallenberger, Mrs. Ivah	Albuquerque
Shannon, Ernest	Albuquerque
Shaver, Nellie	Carrizozo
Sherman, Louise	Albuquerque
Sherwood, Lucille	Dawson
Shields, Mrs. Lucinda	Albuquerque
Shock, Sue	North Manchester, Indiana
Shoffner, Mrs. Louise	Red River
Shy, Mrs. Zella	Trinidad, Colorado
Sifuentes, Fernando	Albuquerque
Sisk, Helen	Albuquerque
Sletwold, Ruth	Sioux City, Iowa
Smith, Mrs. Birda Imhoff	Albuquerque
Smith, Florence	Thoreau
Smith, Hazel A.	Roswell
Smith, Hazel G.	Albuquerque
Smith, Margaret	Santa Fe
Smith, Royale	Jourdanton, Texas
Sotherland, Mrs. Saloma	Albuquerque
Soto, Mrs. Bennie	Albuquerque
Spies, Hilda	Albuquerque
Spillers, Eula	Albuquerque
Spillers, Lena	Albuquerque
Springer, Fabiola	Old Albuquerque
Springer, Mrs. Frances	Albuquerque
Springstead, Mrs. Thelma	Gallup
Stacher, Bonita	Crown Point
Stagner, Lorene	Laguna
Starr, Mildred	Lena, Illinois
Stelle, Ruth	Los Angeles, California
Stephens, Mrs. Edith	Albuquerque
Sterling, Mrs. Ethel	Albuquerque
Stewart, Waueta	Yuma, Arizona
Stirrat, Jean	Albuquerque
Stone, Gertrude	Albuquerque
Storing, Lillie	Gallup
Stuart, Mrs. Ruth	Roswell

Stuart, W. W.	Roswell
Stubbs, Helen	Albuquerque
Stuppi, Florence	Magdalena
Swank, George	Hope
Swank, Mrs. Stella	Hope
Taggart, Thomas	Albuquerque
Talley, Mrs. Lorena	Albuquerque
Taylor, Mrs. Grace	Fort Defiance, Arizona
Taylor, Margaret	Madrid
Taylor, Martin	Santo Domingo
Traylor, Lynda	Tucumcari
Troja, John	Raton
Trujillo, Josue	Taos
Turner, Ada	Albuquerque
Turner, Virginia	Albuquerque
Turrieta, Olympia	Albuquerque
Umberhine, Ethel	Santa Fe
Van Arsdale, John	La Joya
Vergolio, Julia	Cerrillos
Vigil, Dolores	Socorro
Vigil, Irene	Socorro
Villa, Mary	Madrid
Voegelein, Lora	Albuquerque
Walling, William	Albuquerque
Walls, Mrs. Anna	Albuquerque
Walsh, Grace	Raton
Watson, Mrs. N. T.	Portales
Webb, James	Albuquerque
Weeden, Mrs. Jeanie	Albuquerque
Weisenbach, Estelle	Albuquerque
Welsheimer, Edith	Alamogordo
Wendling, Sister Seraphine	Santa Cruz
Wendling, Sister Sienna	Santa Cruz
Westfall, Archie	Dexter
Westlake, Mrs. Inez	Albuquerque
Whistler, Carl	Albuquerque
White, Juliet	Albuquerque
White, Mary Elizabeth	Albuquerque
White, Vira	Hot Springs
Whiteside, Margaret	Albuquerque
Wilcox, Mabel	Nevada, Iowa
Wiley, Marion	Albuquerque
Wiley, Thomas	Albuquerque
Williams, Allen	Las Cruces
Williams, Corinne	Estancia
Williams, Dorothy	Moriarty
Williams, Phyllis	Evanston, Illinois
Willis, Nettie	Phoenix, Arizona
Wilson, Mrs. Dorothy	Santa Fe
Wilson, Sister Josita	Penasco
Withee, Mrs. Hazel	Albuquerque
Withgott, Margaret	Albuquerque
Woolverton, Mary E.	Albuquerque

Wooters, Benjamin	Fort Apache, Arizona
Wortman, Mrs. Katie	Albuquerque
Wykoff, Ethel	Crown Point
Yearwood, Mrs. Bess	Albuquerque
York, Ethel	Albuquerque
Zimmerman, Mrs. Jessie	Albuquerque
Zweifel, Albert	Fort Sumner

FIELD SCHOOL

ARCHAEOLOGY

Chaco Canyon Ruins, New Mexico, June, 1930

Bauer, Anna	Mancos, Colorado
Conrad, Edith	Santa Fe
Drucker, Phil	Colorado Springs, Colorado
Goddard, Sara	Albuquerque
Goforth, Flora	Lubbock, Texas
Harding, Mable	San Diego, California
Hawley, Florence	Tucson, Arizona
Kent, Ann	Madison, New Jersey
Kent, Susan	Madison, New Jersey
Reiter, Paul	Santa Fe
Stallings, William S.	El Paso, Texas
Stamm, Winifred	Santa Fe
Vann, Richard	Albuquerque
Vivian, Gordon	Albuquerque

Battleship Rock, Jemez Hot Springs, New Mexico, August, 1930

Abelard, Marjorie	Santa Fe
Bade, Evelyn	Berkeley, California
Bauer, Anna	Mancos, Colorado
Bormann, Edwin	Los Angeles, California
Bormann, Florence	Los Angeles, California
Botts, Mildred	Albuquerque
Clinard, Marshall	San Diego, California
Cressler, Edward	Newton, Kansas
Curran, Barbara	Santa Barbara, California
Drucker, Phil	Colorado Springs, Colorado
Dunbar, Helen	Yuma, Arizona
Dunbar, Mrs. Helen	Yuma, Arizona
Felin, Frances	Germantown, Pennsylvania
Ferguson, Marjorie	Colorado Springs, Colorado

Fisher, Mrs. Grace R.	Albuquerque
Foraker, Margaret	Albuquerque
Frey, Mrs. Mary	Chicago, Illinois
Frey, Mary Elizabeth	Chicago, Illinois
Graton, Josephine	Cambridge, Massachusetts
Green, Helen	Artesia
Grusendorf, Mrs. Bessie J.	Albuquerque
Hartman, Hazel	Fresno, California
Howard, Jane	Pelham, New York
Kent, Ann	Madison, New Jersey
Kent, Susan	Madison, New Jersey
McCreery, J. Honour	La Canada, California
Marsden, Wendell	San Diego, California
Martin, Marjorie	Concho, Oklahoma
Mewborne, Mary	Albuquerque
Moen, Ella C.	Los Angeles, California
Nahm, Milton	Las Vegas
Neville, Laurabel	Monrovia, California
Paulsen, Corder	El Reno, Oklahoma
Plummer, Mrs. Eilene	Carlsbad
Plummer, Glenn	Carlsbad
Reiter, Paul	Santa Fe
Runnels, Harriet	Minneapolis, Minnesota
Schweitzer, Dell Arthur	Los Angeles, California
Schweitzer, Harold	Los Angeles, California
Spencer, Dorothy	Swarthmore, Pennsylvania
Stallings, William S.	El Paso, Texas
Stelle, Ruth	Los Angeles, California
Towne, Lindsay	Oakland, California
Vann, Richard	Albuquerque
Vivian, Gordon	Albuquerque
Walker, Laurene	Denver, Colorado
Webb, Thompson	Claremont, California
Webb, Mrs. Vivian	Claremont, California
Wilson, Charles M.	San Diego, California
Wilson, Jess	Los Angeles, California
Woods, Janet	Iowa City, Iowa
Woods, Margaret	Iowa City, Iowa

Mexico City, Mexico, July, 1930

Ayala, Anita	Albuquerque
Brown, Willadene	Albuquerque
Casey, Sophie	Washington, D. C.
Conrad, Edith	Santa Fe

Darlington, Herbert	Berkeley, California
Dillon, Florence	Santa Fe
Fisher, Mrs. Grace R.	Albuquerque
Harding, Mable	San Diego, California
Harwood, Catherine	Pasadena, California
Hawley, Florence	Tucson, Arizona
Kent, Ann	Madison, New Jersey
Kent, Susan	Madison, New Jersey
Lewis, Mrs. Elizabeth H.	Santa Fe

ART

Taos, New Mexico, August, 1930

Field, Katherine	Field
Hancock, Doris	Las Vegas, Nevada
Prentice, Florence	Tucumcari

BIOLOGY

Battleship Rock, Jemez Hot Springs, New Mexico, August, 1930

Andrews, Mrs. Flora	Albuquerque
Bentley, Estelle	Huntsville, Missouri
Bobo, Mrs. Irma	Albuquerque
Connor, Wesley, Jr.	Santa Fe
Cook, Sarah Louise	Albuquerque
Dunbar, Helen Elizabeth	Yuma, Arizona
Fitzgerald, Ora	Albuquerque
Munnell, Dan	Albuquerque
Penny, Elwood	Albuquerque
Pomerenk, Dorothy	Albuquerque
Walls, Mrs. Anna	Albuquerque

GEOLOGY

Battleship Rock, Jemez Hot Springs, New Mexico, August, 1930

Atkinson, Agnes	Columbus, Ohio
Bisbee, Wallace	Bristow, Oklahoma
Fee, Catharine	Albuquerque
Plummer, Glenn	Carlsbad
Vann, Richard	Albuquerque
Webb, James	Albuquerque
Williams, Phyllis	Evanston, Illinois

Summaries and Statistics

ENROLLMENT

	Men	Women	Total
First and Second Semesters, 1930-1931:			
College of Arts and Sciences -----	311	171	482
College of Education -----	82	266	348
College of Engineering -----	154	0	154
Graduate School -----	32	45	77
Special and Unclassified Students -----	38	55	93
Totals -----	617	537	1,154
Extension Division:			
Correspondence Courses -----	18	74	92
Non Resident Classes -----	50	73	123
Totals -----	68	147	215
Summer Session, 1930 -----	132	408	540
Field Schools, 1930:			
Chaco—Archaeology -----	5	9	14
Jemez—Archaeology -----	19	32	51
Jemez—Biology -----	3	9	12
Jemez—Geology -----	4	3	7
Mexico City—Archaeology -----	1	12	13
Taos—Art -----	0	3	3
Totals -----	32	68	100
Totals -----	849	1,160	2,009
Less Duplicates -----			233
Net Total -----			1,776
Total enrollment, first semester -----		1,000	
Total enrollment, second semester -----		931	
Total for year -----			1,931
Less duplicates (students enrolled both semesters) -----			777
Total different persons registered -----			1,154

ENROLLMENT BY CLASSES

Freshmen -----	242	150	392
Sophomores -----	143	122	265
Juniors -----	101	97	198
Seniors -----	61	68	129
Graduates -----	32	45	77
Special and Unclassified Students -----	38	55	93
Total -----	617	537	1,154

SUMMARIES

DISTRIBUTION OF STUDENTS BY STATES AND COUNTIES

(First and Second Semesters, 1930-1931. Does not include Extension Division, Summer Sessions, or Field Schools.)

New Mexico (Counties)			
Bernalillo	642	Otero	10
Chaves	34	Quay	21
Colfax	28	Rio Arriba	5
Curry	20	Roosevelt	4
De Baca	9	Sandoval	5
Dona Ana	8	San Juan	8
Eddy	20	San Miguel	4
Grant	5	Santa Fe	36
Harding	4	Sierra	2
Hidalgo	2	Socorro	11
Lea	6	Taos	6
Lincoln	14	Torrance	20
Luna	8	Union	18
McKinley	16	Valencia	19
Mora	4		
Total from New Mexico			989

Other States			
Alabama	1	New Hampshire	1
Arizona	3	New Jersey	2
California	20	New York	5
Colorado	18	Ohio	7
Illinois	16	Oklahoma	8
Indiana	13	Pennsylvania	3
Iowa	7	South Dakota	2
Kansas	12	Tennessee	2
Kentucky	1	Texas	14
Louisiana	1	Utah	1
Michigan	2	Virginia	1
Minnesota	1	Washington	1
Mississippi	1	West Virginia	1
Missouri	9	Wisconsin	1
Montana	2	Washington, D. C.	1
Nebraska	1		
Total from other states			158

Foreign Countries			
China	2	Philippine Islands	2
Italy	1	Sweden	1
Korea	1		
Total from foreign countries			7
Total			1,154

Scholarships, Awards, Honors

THE ALFRED GRUNSFELD MEMORIAL FOUNDATION
ARCHIE McDOWELL

THE MARIAN GRUNSFELD MEMORIAL FOUNDATION
MAY STIRRAT

THE C. T. FRENCH MEDAL FOR SCHOLARSHIP
ROBERT BOTTS

THE GEORGE E. BREECE PRIZE FOR EXCELLENCE IN
ENGINEERING
DAVID MITCHELL

THE H. L. DOUGHERTY AWARD
PHILIP COPLIN

THE SIGMA TAU MEDAL
PHILIP COPLIN

THE KATHERINE MATHER SIMMS PRIZE IN ENGLISH
JACK SIMPSON

THE CHI OMEGA PRIZE
KATHERINE CHILDERS

THE ALPHA CHI OMEGA PRIZE
ERNEST HARP

THE MARIAN COONS KINDNESS AWARD
HARRIETT HENRY

THE IVES MEMORIAL SCHOLARSHIPS
FLORENCE NOECKER SOFIA ORTEGA AURORA VIGIL

THE OREN W. STRONG AWARD
JACK SIMPSON

THE PHILO S. BENNETT PRIZE
BEULAH MAUK

THE SAN JOSE SCHOLARSHIPS
CHONITA BACA ARCHIE GARCIA ADOLFO CHAVEZ
JOE MARTINEZ NAOMI MARTINEZ

THE UNKNOWN DONOR SCHOLARSHIPS
WILMA LUSK DONOVAN SENTER
ROBERT OFFICER RUTH MILLER
CHARLIE SCOTT BILLY MITCHELL

THE CUTTING FELLOWSHIP FOR GRADUATES
ARTHUR CAMPA

Degrees Conferred June 2, 1930

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

	Major Studies	Minor Studies
Richard Fair Arledge	History	Economics
Willard Isidoro Armijo	History	English
Gladys Dorris Barber	History	English, Educ.
Henry H. Blackburn	Economics	Psychology
Robert Botts	History	Economics
Willadene Brown	History	English
Georgia Burdell	Spanish	History
Jeanne Campbell	Psychology	English
Lucille Cisco	English	History
Nathalie Alexandre Corbett	French	English
Dorothy Roberts Coulter	Art	English
Margaret Cox	English	Musie
Florence Crile	History	English
William Merlyn Davies	Music	English
Dorothy Frances Diver	English	French, Archaeology
Ned Kellogg Elder	Economics	English
Marian Belle Eller	Music	Psychology, Spanish
Evelyn Frances French	English	History
Kathleen Marjorie Hickok	English	Archaeology
Elzadie Leese	History	Biology, English
Ruth Shepard Love	Music	Psychology
Donal Alexander McKenzie	English	French
Bruce McRae	Economics	Biology
Roy MacKay	Math., Economics	
Norman Wicklund Macleod	English	History
Margaret Mary O'Connell	Music	Psych., Engl., French
Alice Marie Olson	History	English
Benjamin Osuna	English	Economics
Lolita Huning Pooler	Spanish	English
Irene Quintana	Spanish	Home Economics
Margaret Rector	English	Spanish
*Donovan McNeely Richardson	History	
Floyd Lyle Shattuck	Economics	History
Margaret Shortle	English, Music	
Lela Esther Silver	History	English
Mary Elizabeth Simmons	History	Psychology
Branch Spalding	English	French
Winifred Rodey Stamm	Archaeology	English
Guyfred Purdy Timboe	English	History
William Leon Ullrich	Economics	English
Richard Vann	Archaeology	Geology
Thomas B. Walsh	Spanish	English
Neil Boone Watson	Economics	Spanish
Alice Ray Wilson	Music	French
Gilbert Wright	History	Economics

*As of the class of 1920.

BACHELOR OF SCIENCE

	Major Studies	Minor Studies
Wallace A. Bisbee	Geology	Physics
Edith Maureen Gilmore	Biology	Psychology
Oliver Quirino Leone	Chemistry	Biology
Robert Fred Pettit, Jr.	Chemistry	Biology
John Reidy	Chemistry	Biology
John Raymond Stuart	Chemistry	Economics
Stanley Alger Stubbs	Geology, Biology	
Mabel Wells Williams	Home Economics	Biology

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

	Major Studies	Minor Studies
Diana Bovier Carter	English	Archaeology
William DeGryse	History	Education
Catherine Marie Delgado	Spanish	English
Ethel Elizabeth Erlandson	English	History
Hilario Gonzales	Spanish	Education
Lela Goodart	Home Economics	History
Elizabeth Greaves	Home Economics	English
Telfair Hendon, Jr.	English	History
Julia Mary Keleher	English	Psychology
Ruth Caroline Lathrop	Home Economics	Psychology, Educ.
Adeline Lawson	History	English
Mabel Irene Lewis	Home Economics	Education
Melvin Simmons Lostutter	English	Education
Lorena Carmony Low	Home Economics	History
Maxine Zoe McSpadden	Art	English
Tessie Monahan	History	Music
Catharine Elizabeth Nichols	History	English
George Isidore Sanchez	Spanish, Education	Psychology
Hazel M. Snyder	Art	Home Economics
Hazel Van Doren	History	English

BACHELOR OF SCIENCE IN EDUCATION

	Major Studies	Minor studies
Mary Grace Colvin	Education	English
Mary Louise Graham	Education	Home Ec., English
Louise Burton Leak	Education	English
Caroline Irene McFatter	Education	History
Maywood Harris Sharp	Education	English
Rhoda Tubbs	Education	History
William W. Walling	Education	Psychology

COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Wilbur Raymond Barrows	Baird Miller French
Leo Franklin Carden	Bond Taylor Kelley

DEGREES 1930

[245

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Washington Irving Abbott	William Lee Mudgett
Carl Victor Allen	Robert Schoonover Palmer
Grant Sherman Anderson	William Bernice Smith
Robert Doak Jenkins	John David Sterrett
David Boal Mitchell	Frank Albert Stortz, Jr.

GRADUATE SCHOOL

MASTER OF ARTS

	Major Studies	Minor Studies
Mary Helen Bruno	Spanish	
Fred Myron Calkins	Education	
Arthur Leon Campa	Spanish	English
Elsie Ruth Dykes Chant	English	
John Edwin Earl	Psychology	Education
Enoch L. Enloe	Education	Economics
Paul Lawrence Fickinger	Psychology	Education
Mabel Snyder Graham	Mathematics	Psychology
Eldred R. Harrington	Geology	Education
Harry Lawrence Hogrefe	Education	
Vara L. McKaye	English	Education
Walter Holtsinger Martin	Education	Psychology
May Rees	Spanish	

HONORARY DEGREE

DOCTOR OF CIVIL LAW

Thomas Reed Powell, A.B., LL.B., Ph.D., LL.D.

Degrees Conferred August 2, 1930

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

	Major Studies	Minor Studies
Irene Bennett Bishop	English	Psychology
*Rebecca Fee Judy	English	Psychology
Gladys McCarthy	History	Home Economics
Lawrence Maynard Malone	Spanish	English
Janet Matthew	English	History
John Clifford Russell	History	Archaeology

BACHELOR OF SCIENCE

Ruth Margaret Kay	Home Economics	Art
-------------------	----------------	-----

*Finished requirements January, 1931.

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

	Major Studies	Minor studies
Alva Moore Albritton	History	English
Rose Miriam Brown	Music	Education
Harriett Phyllipa Henry	Home Economics	Art, Education
Catherine Stuart Macleod	English	Education
Aimee Linvill Morrison	English	Latin
Thelma Kirk Springstead	English	History, Education
Lynda Doraline Traylor	Home Economics	Art
Marion Amy Wiley	Latin, Spanish	English

BACHELOR OF SCIENCE IN EDUCATION

Louise Holland Coe	Education	Spanish
Velma Rodgers Scott	Education	English
Eula Bernetta Spillers	Education	Music
Ada Turner	Education	English

GRADUATE SCHOOL

MASTER OF ARTS

	Major Studies	Minor Studies
David Lopez Campa	History	Education
Sara Louise Cook	Biology	History
William James Flynn	English	Education
Sara Anne Goddard	Anthropology	
Paul Alfred Palmer	Education	Psychology
William Harlan Sininger	Education	Psychology
Kenneth Leon Wentworth	Psychology	Education

Degrees Conferred August 30, 1930

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

	Major Studies	Minor Studies
Mabel Virginia Harding	Archaeology	Biology
Corder Gordon Paulsen	Economics	Archaeology

BACHELOR OF SCIENCE

L. Estelle Bentley	Biology	Psychology, Music
Wesley O. Connor, Jr.	Biology	Chemistry

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

	Major Studies	Minor Studies
Anita Ayala	Spanish	French
Helen Green	Archaeology	Spanish
Ruth Bursum Paxton	History	Spanish

Index

A

Academic regulations	27
Academic requirements	35
Accredited schools	19
Administration of University	5
Administrators' curriculum	96
Admission from other universities	25, 82
Admission of special adult students	26
Admission to Graduate School	97, 102
Admission to Summer Session	191
Admission to University	19
Adult special students	26
Advanced standing	100
Aim, support, government	16
Alpha Chi Omega prize	47
American Association of Engineers	54
Anthropology Department	103
Archaeology Department	103
Art Department	106
Arts and Sciences College	57
Assemblies required	35, 36
Associated students	37, 38, 54
Athletic Council	54
Athletics	6
Attendance of undergraduates	29
Auditors	26

B

Bachelor of Arts degree	60
Bachelor of Science degree	60
Bennett prize	46
Biology course suggestions	65
Biology Department	112
Board and lodging	40
Board of Regents	4
Brass wind instruments	177
Breece engineering prize	45
Bryan collection	52
Buildings	17
Business Administration (See <i>Economics</i>)	

C

Calendar of University year	3
Certificates, admission by	19
Certification of teachers	89
Change in program fee	39
Change in program of studies	28
Chemical Engineering curriculum	73
Chemical laboratories	70
Chemistry course suggestions	65
Chemistry Department	118
Chi Omega prize	47
Civil Engineering curriculum	74
Civil Engineering Department	122
Class hours	29
Classification of students	197
College of Arts and Sciences	57
College of Education	81
College of Engineering	67
Committees of the faculty	13
Contemporary Problems (See <i>Philosophy 1</i>)	
Coons Kindness award	45
Correspondence course credits	35
Course numbers	103
Courses in departments of instruction	103
Courses of study, summer, 1931	193
Courses required	58
Credit hours	29
Curricula in College of Arts and Sciences	58
Curricula in College of Education	81, 89
Curriculum, general	62
Cutting fellowship	50, 98

D

D. A. R. loan fund	44
Debating	54
Degrees	57, 60
Degrees conferred	243
Degrees offered in Graduate School	101
Degrees, requirements for	35
Deposits	38
Dining hall	6, 40
Diploma fee	39
Directory of students	197

Dismissal for dishonesty	34
Dividends in credits	36
Dormitories	40
Dougherty awards	46

E

Economics Department	126
Economics prize	47
Educational Administration Department	135
Educational Psychology Department	137
Education, College of	81
Education departments	129
Electives	58, 60, 66
Electrical Engineering curriculum	76
Electrical Engineering Department	138
Electrical Engineering laboratory	71
Elementary Education Department	131
Elementary school teaching curriculum	91
Employment Bureau	42
Engineering College	67
Engineering curricula	72
Engineering prizes	45, 46
English composition award	46
English course suggestions	65
English Department	141
English requirements	58
Enrollment in Graduate School	98
Ensemble Music	178
Equipment, Archaeology Department	103
Equipment, Chemistry Department	118
Equipment, Engineering	70
Examinations	31
Examinations, dishonesty in	34
Examinations, final	34
Examinations in Graduate School	102
Examinations, special	34
Expenses	38, 192
Extension Division	88
Extension Division directory	223
Extension work in Graduate School	101

F

Faculty	7
Faculty committees	13

Faculty Women's loan fund	44
Fee for removal examinations	34
Fees	38, 39, 107, 179
Fellowships	50, 98
Field Schools	103, 107, 111, 112
Final examinations	34
Folklore scholarship	50
Foreign language requirements	58
Forum	54
Fraternities	55
Fraternities, honor	53
French	168
French Club	54
French course suggestions	65
French scholarship medal	45
Freshman curriculum, Engineering	72
Freshman tests	24
Freshman week	24

G

General academic regulations	27
Geological Engineering curriculum	77
Geology Department	146
German	169
German course suggestions	65
Gifts to the University	51
Glee Club	54
Government, aim, support	16
Grading and examinations	31
Graduate diploma	39
Graduate fellowships	50, 98
Graduate majors and minors	99
Graduate School	97
Graduate School admission	26
Graduate student fees	38
Graduate work by extension	101
Graduation requirements	35
Grand Commandery loan fund	44
Greek Department	148
Group requirements for degrees	85
Groups of courses	58
Grunsfeld Memorial foundation	48
Guarantee deposit	38

H

Hazing prohibited	37
Health courses required	33, 35, 36
Health Department	151
Health service	6
High school teaching curriculum	90
History and Political Science Department	153
History of the University	15
History scholarships	48
Home Economics curriculum	62
Home Economics Department	159
Honorable dismissals	34
Honors and prizes	45

I

Incomplete, removal of	34
Indian art experiment	111
Inspection trips, Engineering	69
Ives scholarship	50

J

Jemez Grant ruins	51
-------------------------	----

K

Kindness award	45
Knights Templar loan fund	44

L

Language requirements in Graduate School	102
Late registration	28
Latin Department	148
Law, Pre-, curriculum	63
Library	17
Library gift	43
Library Science Department	161
Lobo	54
Lower division	61

M

McGaffey loan fund	44
Majors and minors	58, 99
Major study requirements	59

Masonic loan fund	44
Materials testing laboratory	70
Mathematics Department	162
Mathematics requirements	59
Maximum number of hours	60
Mechanical Engineering curriculum	79
Mechanical Engineering Department	164
Mechanical Engineering laboratories	71
Medical aptitude examination	64
Medical examinations	36
Military training	56
Minor courses	58
Minor study requirements	59
<i>Mirage</i>	54
Modern Language Department	167
Music Department	172
Music prize	47

N

National Guard	56
Non-resident fees	38
Non-resident students	224

O

Officers of administration	5
Officers' Reserve Corps	56
Orchestra	54
Organization of the University	5

P

Painting, Taos School of	107, 111
Philosophy Department	179
Philosophy 1 required	36
Physical director curriculum	94
Physical Education	6, 33
Physical Education Department	181
Physics course suggestions	65
Physics Department	184
Piano	174
Pipe organ	175
Placement Bureau	87
Polaris expedition material	52
Political Science Department	153

INDEX

[253

Political Science scholarship	48
Practice teaching facilities	87
Pre-Law curriculum	63
Pre-Medicine curriculum	63
Probation	33
Program of studies	28, 29
Program of studies, Education	88
Psychology Department	186
Publications Board	54
Public School Music curriculum	93

Q

Qualitative requirements	21, 35
Quality of graduate work	100
Quality points	33
Quantitative requirements	21, 35
Quarai ruins	51

R

Refund of fees	39
Regents of the University	4
Registration	27
Registration in Graduate School	98
Regulations	27, 33
Required courses	58
Requirements for admission, Education	82
Requirements for graduation	68
Reserve Officers' Training Corps	56
Residence requirements	43, 100
Residential halls	6
Resident students defined	38
Rhodes scholarship	51
Room registry	44
Room reservations	40
Rotary loan fund	44

S

Scholarships	48, 242
Scholarship awards	45
Scholarship regulations	33
Scholarship requirements	43
Science requirements	59
Secondary Education Department	133

Sigma Tau medal	47
Simms award	46
Social Science requirements	59
Spanish	169
Spanish literature scholarship	50
Special examinations	34
Special students	26
Special students directory	220
Standards, College of Education	89
State health laboratory	6
Statistics	240
Strong award	47
Student employment	42
Student organizations	54
Suggestions on individual subjects	65
Summaries and statistics	240
Summer session	191
Summer session, 1931	192
Summer session graduate work	100
Supervisors' curriculum, Education	96
Support, aim, government	16
Surveying equipment	70
Suspension of students	33, 34

T

Teacher scholarships	40
Tests for Freshmen	24
Theory of Music	173
Theses	102
Tuesday Club loan fund	44
Two-year course curriculum	92

U

Unknown Donor scholarship	49
Upper and lower divisions	61

V

Violin	176
Vocational training	57
Voice	177

INDEX

[255

W

Withdrawal from University -----	33, 39
Withdrawal of courses -----	29
Women physical directors' curriculum -----	95
Wood wind instruments -----	177

399

876

23