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THE
UNIVERSITY OF NEW MEXICO
BULLETIN

FORTY-SECOND
ANNUAL CATALOGUE ISSUE
1932-33



Announcements

1933-1934

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THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, N. M.
MAY, 1933

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Forty-second
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1932-1933



Announcements 1933-1934

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UNIVERSITY OF NEW MEXICO PRESS
1933

UNIVERSITY CALENDAR

SUMMER SESSION, 1933

June	5	Monday, 1:45-4:00, registration.
June	6	Tuesday, 9:00-12:00, 1:00-4:00, registration.
June	7	Wednesday, instruction begins in all departments.
July	4	Tuesday, Independence Day; holiday.
July	29	Saturday, summer session ends.

FIRST SEMESTER, 1933-1934

September	7-11	Thursday to Monday, freshman week.
September	9	Saturday, entrance examinations.
September	11	Monday, registration for freshmen, 9-12; for resident advanced students, 1-4.
September	12	Tuesday, registration for all other students, 9-12, 1-4.
September	13	Wednesday, instruction begins at 8 a. m.
November	11	Saturday, Armistice Day; holiday.
November	30	Thursday, Thanksgiving Day; holiday.
December	21	Thursday, holiday recess begins at 5 p. m.
January	3	Wednesday, instruction resumed at 8 a. m.
January	22-26	Monday to Friday, semester final examinations.
January	26	Friday, semester ends at 5 p. m.

SECOND SEMESTER, 1933-1934

January	29	Monday, entrance examinations.
January	30	Tuesday, registration, 9-12, 1-4.
January	31	Wednesday, registration, 9-12, 1-4.
February	1	Thursday, instruction begins at 8 a. m.
February	22	Thursday, Washington's Birthday; holiday.
February	25	Sunday, University Memorial Day.
March	30-31	Friday and Saturday, Spring recess.
May	26	Saturday, semester final examinations begin.
May	30	Wednesday, Memorial Day; holiday.
May	31	Thursday, semester final examinations.
June	1	Friday, semester final examinations end.
June	3	Sunday, baccalaureate services.
June	4	Monday, commencement exercises.

SUMMER SESSION, 1934

June	11	Monday, 9-12, 1-4, registration.
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THE BOARD OF REGENTS

THE HONORABLE ARTHUR SELIGMAN, GOVERNOR OF NEW
MEXICO, ex-officio ----- Santa Fe

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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

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SIMON PETER NANNINGA, PH.D., Dean of the College of Education and Director of the Summer Session.
BENJAMIN FRANKLIN HAUGHT, PH.D., Dean of the Graduate School.
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TOM L. POPEJOY, M.A., Faculty Manager of Athletics and Student Activities Adviser.
A. L. STAEHLIN, Superintendent of Buildings and Grounds.

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ALICE SHIRLEY, Clerk in Registrar's Office.
REBECCA F. JUDY, B.A., Record Clerk in Registrar's Office, part-time.
KATHRYN BIGELOW, Stenographer in Registrar's Office, part-time.
RAYMOND STUART, M.A., Bookkeeper in Business Office.
HELEN STUBBS, Bill Clerk in Business Office.

EVA L. BROWN, Clerk in Business Office.

MARY MCCONNELL, B.A. in Educ., Secretary to the Dean of the College of Arts and Sciences.

EDITH SHALLENBERGER, Secretary to the Dean of the College of Engineering.

VENA GAULT, Secretary to the Dean of the College of Education.

HELEN MCDOWELL, Secretary to the Dean of Men and Dean of Women.

SARAH ANN HESS, B.A., Secretary to the Director of the Extension Division and to the High School Visitor.

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RUTH RUSSELL, Assistant Librarian.

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MARY E. DEGRAFTENREID, Student Assistant.

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CHESTER IDEN, Student Assistant.

WILMA SHAFFER, Student Assistant.

VERA TAYLOR, Student Assistant.

MILDRED WILSON, Student Assistant.

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HARLAN SININGER, M.A., Principal.

CATHERINE MULLER O'DELL, Research Assistant.

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W. A. GEKLER, M.D., University Physician.

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

THELMA DECAPITO, M.S., Bacteriologist, State Public Health Laboratory.

ELEANOR TAYLOR, B.S., Assistant, State Public Health Laboratory.

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MRS. HARRIETT WILSON, Matron of Men's Residential Hall.

RAYMOND STUART, M.A., Proctor of Men's Residential Hall.

HELEN HALBROOKS, Student Assistant in Women's Residential Hall.

STANDING COMMITTEES OF THE FACULTY 1932-1933

The first named member of each committee is chairman.

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

Alumni Relations: REEVE, CLARK, REID, OSUNA, RUSSELL, CAMPA.

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

Campus Improvement: CASTETTER, DORROH, SIMPSON, FRICKE, WALTER, SACKS.

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

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

Eligibility: GREINER, BARNHART, WAGNER, TIREMAN.

Entrance and Credits: GREINER, SHANNON, FARRIS, NANNINGA, DIEFENDORF.

Extension: REID, SHANNON, FARRIS, NANNINGA.

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

Freshman Week: KNODE, CLAUVE, GREINER, THOMPSON, HAUGHT, *HENDON, LIPPINCOTT.

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

High School Relations: DIEFENDORF, KNODE, OSUNA, REID, L. KELEHER, RILEY, NEWSOM.

Honors and Awards: †ROCKWOOD, SIMPSON, KIECH, JOHNSON, KLUCKHOHN.

Library: SHELTON, DENTON, NEWSOM, MITCHELL, ELLIS, PEARCE, DARGAN.

Memorial Day: MITCHELL, CLARK, HODGIN, HEWETT.

Program of Classes and Rooms: †ROCKWOOD, ALLEN, RUSSELL, SEYFRIED.

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

*Died January 17, 1933.

†Died November 23, 1932.

Publications: CLARK, SHELTON, HEWETT, DENTON, SEYFRIED, WALTER, BLOOM.

Publicity: WALTER, PEARCE, SEYFRIED, DORROH, CHANT.

Rhodes Scholarships: MITCHELL, ST. CLAIR, DENTON.

Scholarship:

A. College of Arts and Sciences: SHANNON, SIMPSON, CASTETTER, DE JONGH, WHITE.

B. College of Engineering: FARRIS, DENTON, DORROH.

C. College of Education: NANNINGA, HAUGHT, TIREMAN, DIEFENDORF, SEYFRIED, REID.

Student Accounts: SORRELL, WHITE, RUSSELL, MCFARLAND.

Student Employment: SIMPSON, KNODE, PAGE, BELL, L. KELEHER, MILLER.

Student Health: GEKLER, SCOTT, L. KELEHER, JOHNSON, CLAUVE.

Student Loans: KNODE, CLAUVE, MILLER.

Student Publication Board: ST. CLAIR, POPEJOY, WALTER.

Student Relations: NORTHROP, KNODE, CLAUVE, POPEJOY, PAGE, J. KELEHER.

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

Teacher Placement: REID, NANNINGA, ST. CLAIR, SIMPSON, JOHNSON, DIEFENDORF.

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

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Instructor in Pipe Organ, Piano, and Music.
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Assistant Professor of Biology.
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Assistant Professor of Modern Languages.
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- TOM CHURCHILL, B.A., University of Oklahoma.
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Music.
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Ph.D., University of Chicago.
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Acting Head of the Department.
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Harvard University.
Assistant Professor of Modern Languages.

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 and Head of the Department.

JOHN WILLIAM DIEFENDORF, B.S. in Educ., Central Missouri State Teachers College; M.A., Ph.D., University of Missouri.

Professor of Secondary Education and Head of the Department; High School Visitor.

CLARE DIEMAN, Diploma, Chicago Art Institute.

Part-time Instructor in Sculpture.

JOHN HAZARD DORROH, B.E., C.E., Vanderbilt University.

Professor of Civil Engineering and Head of the Department.

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

Part-time Instructor in Art.

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

Professor of Geology.

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

Assistant Professor of Modern Languages.

MARSHALL ELMER FARRIS, B.S. in M.E., Purdue University; M.S. in M.E., University of Texas.

Dean of the College of Engineering; Professor of Mechanical Engineering and Head of the Department.

MARJORIE FERGUSON, B.A., Colorado College; M.A., University of New Mexico.

Part-time Instructor in Archaeology.

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

Part-time Instructor in Archaeology.

DOROTHEA FRICKE, B.A.E., Chicago Art Institute.

Instructor in Art and Head of the Department.

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Instructor in English.

MABEL GRAHAM, B.S., University of Illinois; M.A., University of New Mexico.

Part-time 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; Professor of Psychology and Head of the Department.

BERNARD HELFRICH, B.Mus., Bush Conservatory.

Instructor in Piano and Theory.

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

Instructor in English.

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 and Head of the Department.

*On leave of absence first semester, 1932-1933.

†On leave of absence, 1932-1933.

‡Died January 17, 1933.

NILS HOGNER, Boston School of Painting; Rhodés Academy, Copenhagen, Denmark; Nyberg Royal Academy of Fine Arts, Stockholm, Sweden.

Part-time Instructor in Art.

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

Professor of Physical Education and Head of the Department;
Football Line Coach, and Track Coach.

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Instructor in English.

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Instructor in Physical Education for Women and Head of the Department.

FRANCIS MONROE KERCHEVILLE, B.A., Abilene Christian College; M.A., Ph.D., University of Wisconsin.

Professor of Modern Languages and Head of the Department.

VEON C. KIECH, B.A., University of New Mexico; M.A., Ph.D., Stanford University.

Assistant Professor of Chemistry.

CLYDE KAY M. KLUCKHOHN, B.A., University of Wisconsin; B.A., Oxford University.

Assistant Professor of Anthropology.

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

Dean of Men; Professor of Philosophy and Head of the Department.

CLINTON H. S. KOCH, B.A., Hamline University; M.A., University of New Mexico.

Part-time Instructor in Modern Languages.

WILLIAM M. KUNKEL, Kimball School of Music.

Part-time Instructor in Band and Wind Instruments.

S. B. LIPPINCOTT, B.A., Union College; M.S., Purdue University.

Instructor in Physics and Chemistry.

WALTER B. MCFARLAND, B.A., University of Kansas; M.B.A., Stanford University.

Instructor in Economics and Business Administration.

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

Professor of Classics and Head of the Department.

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

Instructor in Home Economics.

RONALD JAMES MUNRO, B.S. in M.E., 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 Administration and Head of the Department; Director of the Summer Session.

*Resigned January 27, 1933.

CARROLL VINCENT NEWSOM, B.A., College of Emporia; M.A., Ph.D., University of Michigan.

Associate Professor of Mathematics and Head of the Department.

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

Professor of Geology and Head of the Department.

KATHRYN KENNEDY O'CONNOR, Graduate, College of Oratory, Syracuse University.

Part-time Instructor in English.

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

Assistant Professor of Modern Languages.

RICHARD M. PAGE, B.A., University of Michigan; M.S., University of Chicago.

Assistant Professor of Psychology.

IRVING B. PARSONS, B.Arch., 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, Diploma, Kansas State Agricultural College; American School of Opera.

Instructor in Voice.

FRANK DRIVER REEVE, B.A., M.A., University of New Mexico.

Assistant Professor of History and Political Science.

J. T. RED, B.A., Howard Payne College; M.A., Baylor University.

Director of the Extension Division and Assistant Professor of Education.

CHARLES C. RILEY, Ph.B., University of Notre Dame.

Head Football Coach and Freshman Basketball Coach.

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

Professor of Physics and Head of the Department.

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

Instructor in Electrical Engineering.

BENJAMIN SACKS, B.A., University of New Mexico; M.A., McGill University.

Part-time Instructor in History and Political Science.

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Associate 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.

*Died November 23, 1932.

WILMA LOY SHELTON, B.A., B.L.S., University of Illinois.
Librarian; Associate Professor of Library Science and Head
of the Department.

ELIZABETH P. SIMPSON, B.S., University of New Mexico; M.S., Iowa
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Professor of Home Economics and Head of the Department;
Supervisor of the Dining Hall.

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Part-time Instructor in Mechanical Engineering and Physics.

VERNON G. SORRELL, B.A., State University of Iowa; M.A., Univer-
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Professor of Economics and Business Administration and
Head of the Department.

GEORGE ST. CLAIR, B.A., M.A., Whitman College; Ph.D., University
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Professor of English and Head of the Department.

*MAMIE R. E. TANQUIST, B.A., Hamline University; M.A., University
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Assistant Professor of Anthropology.

GRACE THOMPSON, B.Mus., Defiance College.
Associate Professor of Music and Head of the Department.

LOYD S. TIREMAN, B.A., Upper Iowa University; M.A., Ph.D., State
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Professor of Elementary Education and Head of the Depart-
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WILLIAM C. WAGNER, B.S. in C.E., South Dakota School of Mines..
Instructor in Civil Engineering.

PAUL WALTER, JR., B.A., Stanford University.
Editor of Publications, Director of Publicity, and Part-time
Instructor in Journalism.

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

HELENE R. WOYTYCH, B.A., Chicago Musical College.
Instructor in Violin.

EXTENSION DIVISION

NON-RESIDENT INSTRUCTORS

MELA SEDILLO BREWSTER, B.A., University of New Mexico.
Instructor in Spanish Colonial Handwork.

BRICE H. SEWELL, School of Fine Arts, Washington University;
Pennsylvania Academy of Fine Arts; Pupil of Victor Berlendis.
Instructor in Spanish Colonial Handwork.

*On leave of absence, 1932-1933.

GRADUATE FELLOWS

ERNEST L. HARP, B.S., University of New Mexico.

Graduate Fellow (half time) in Mathematics.

JOHNAPHINE ANN LUCKETT, B.S., University of New Mexico.

Graduate Fellow in Psychology.

RALPH F. ROE, B.A., Muskingum College.

Graduate Fellow in Biology.

EDWIN R. SNAPP, B.A., in Educ., University of New Mexico.

Graduate Fellow in English.

STUDENT ASSISTANTS

J. C. MACGREGOR, Student Instructor in Fencing.

JAMES E. SADLER, Student Instructor in Riding.

CHARLES BARKER, Student Assistant in Mathematics.

STANLEY BROOKS, B.A., Student Assistant in Biology.

GORDON CLOUSER, Student Assistant in Political Science.

SIDNEY ELLIOTT, Student Assistant in Philosophy.

HELEN H. ELLIS, Student Assistant in Political Science.

STANLEY FISH, B.S., in E.E., Student Assistant in Physics.

JOHN FRIEDE, Student Assistant in Economics and Business Administration.

LEROY GIBSON, Student Assistant in Chemistry.

MARY ELLIS HARDIN, Student Assistant in Geology.

JOHN LINKINS, Student Assistant in Archaeology.

BENJAMIN MOYA, Student Assistant in Spanish.

JOHN PILCHER, Stockroom Assistant in Chemistry.

LADY GAY ROBERTSON, B.A., Student Assistant in English.

M. A. SAXTON, Student Assistant in Publications.

HILLARD SMITH, Stockroom Assistant in Chemistry.

H. D. THOMAS, B.S., Trainer and Assistant Freshman Football Coach.

HISTORY

The University of New Mexico, located in Albuquerque, was created in 1889 by an act of the territorial legislature. 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 present Hadley Hall was made possible by an original memorial gift honoring Professor Hadley. The Board of Regents, in the summer of 1897, elected Dr. C. L. Herrick, of Denison University, in Ohio, as active president.

Since the beginning of the century, the University has enjoyed steady growth. The unique architectural style of its buildings was adopted in the administration of Dr. William G. Tight, who succeeded President Herrick in 1901. He, too, came from Denison University.

In 1909, Dr. E. D. McQueen Gray was chosen to succeed President Tight, who had resigned. Dr. Gray's administration terminated in 1912. He was followed by Dr. David Ross Boyd. In 1919, the Board of Regents chose as president Dr. David Spence Hill, who served until September 1, 1927. Dr. Hill was on leave of absence from January 22 to September 1, 1927, during which time Dr. James Fulton Zimmerman served as acting president. In this period he was elected by the Board of Regents as president, and he assumed his duties on September 1, 1927.

SITUATION AND ENVIRONMENT

The University is situated in Albuquerque, a modern city of over 30,000 inhabitants. The altitude is over 5,000 feet above sea level. The climate is mild throughout the year, and the air is dry, cool, and exhilarating. Nearby are located the picturesque Indian pueblos of Taos, Isleta, Jemez, and Acoma.

AIM, SUPPORT AND GOVERNMENT

AIM

The University encourages scholarship, the application 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 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 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 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 chiefly by appropriations made for its maintenance by the State Legislature; by income from the proceeds of the rental of lands granted to it by the Federal Government when New Mexico became a state; by the income from royalties on the oil taken from these lands; and by student fees.

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, Press Buildings, Lecture Hall, Library, Music Hall, Power House, President's Home, Residential Halls (one for women and two for men), Rodey Hall, Sara Raynolds Hall, and Science Hall. A stadium has recently been erected.

THE LIBRARY

The Library consists of 42,471 bound volumes and approximately 50,000 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 collection. The Library receives 441 general and technical periodicals, and, through the courtesy of New Mexico editors, a number of the state papers.

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 lent 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 in 1930 gave \$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 an adequate collection in every field of study in which courses are offered. The Library has been enriched by the late Dr. Horatio Oliver Ladd's collection of books, manuscripts, old Navajo blankets, rare old Indian and Mexican pottery, and other New Mexico

relics. 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 9:00 P. M. every day except Sunday.

ADMISSION TO THE UNIVERSITY

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

ADMISSION BY CERTIFICATE

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

Students desiring to enter on the certificate plan 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.

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

ADMISSION BY EXAMINATION

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.

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. Work of D quality will not be accepted in excess of one-third of the total number of credit hours transferred.

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 will be verified. 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.

All new students are required to undergo physical and psychological examinations.

ADMISSION OF ADULT SPECIAL STUDENTS

Persons over twenty-one years of age may be admitted as special students, provided they secure the recommendation of the instructors whose work they desire to take, and the approval of the Dean of the College concerned. They must give evidence of ability to pursue with profit such courses as they elect.

By virtue of his classification, a special student is not eligible for any degree, but may become a candidate ultimately by completing the admission requirements. An Adult Special Student will not be permitted to continue his status longer than one year, except by special permission of the Committee on Entrance and Credits.

ADMISSION OF AUDITORS

Mature students 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 COLLEGES OR GRADUATE SCHOOL*

Fifteen acceptable units earned in an accredited four-year high school or eleven acceptable units earned in a three-year senior high school are invariably required for admission to the undergraduate colleges. Some of these units are prescribed while others are elective.

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.

The subjects included in these groups, which are required or accepted, are:

Group A. English.

Group B. Foreign Language.

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

Group C. Social Sciences.

The maximum accepted from this group is 4 units.

- (1) Ancient History.
- (2) Medieval and Modern History.
- (3) English History.
- (4) United States History.

*For admission to Summer Session and extension and correspondence courses, see special bulletins.

- (5) General History (but not in addition to Ancient or to Medieval and Modern History.)
- (6) New Mexico History and Civics, $\frac{1}{2}$ unit.
- (7) Economics, $\frac{1}{2}$ unit.
- (8) Sociology, $\frac{1}{2}$ unit.
- (9) Civics (other than New Mexico History and Civics.)
Freshman Course, 1 unit.
- (10) American Problems (under this heading will be counted the advanced course in civics ordinarily found in the fourth year).

Group D. Mathematics.

- (1) When two units are offered in algebra, the second unit must consist of one-half unit of intermediate, and one-half unit of advanced algebra.
- (2) Plane Geometry, 1 unit.
- (3) Solid Geometry, $\frac{1}{2}$ unit.
- (4) Trigonometry, $\frac{1}{2}$ unit.

Group E. Natural Sciences.

- (1) Biology, elementary, 1 unit.
(May include Botany, $\frac{1}{2}$ unit, and Zoology, $\frac{1}{2}$ unit.)
- * (2) Chemistry.
- † (3) General Science.
- (4) Geology.
- † (5) Physical Geography or Physiography.
- * (6) Physics.
- (7) Physiology and Hygiene.

Group F. Vocational and Miscellaneous Subjects.

The maximum accepted from this group is 4 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.).

*No credit given for less than one unit of laboratory science.

†Not accepted as a laboratory science.

- (8) Music.
- (9) Journalism.
- (10) Advanced Arithmetic.

NOTE: No credit will be allowed for less than one-half unit in any subject.

Laboratory sciences must be scheduled for seven periods per week unless the periods are sixty minutes in length. One unit credit for subjects not requiring outside preparation will be given only when such subjects are scheduled for double periods when periods are less than sixty minutes in length.

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

Ten of the fifteen units from a four-year high school or eight units from a senior high school 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.

Any student entering the University of New Mexico on trial from high school after September 1, 1933, shall enter as "unclassified" as to College, and shall automatically be limited to 14 hours work (including physical education) as a maximum. The work incident to probation on account of scholarship for this group shall be transferred to the offices of the Dean of Men and the Dean of Women.

For admission to the University 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.

A. COLLEGE OF ARTS AND SCIENCES AND COLLEGE OF EDUCATION

I. FOR GRADUATES OF FOUR-YEAR HIGH SCHOOLS

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.

II. FOR GRADUATES OF SENIOR HIGH SCHOOLS

Graduates of accredited senior high schools (grades 10, 11, and 12) will be admitted to the University on the basis of their record in the senior high school. No attention will be paid to the work done in the junior high school (including the ninth grade) except as this may include courses preparatory to courses pursued in the senior high school. For example, if the second year of a language is carried in the senior high school, the pupil's transcript should show that the first year has been completed in the junior high school. (No final grade or course description is necessary for work done in the junior high school.)

1. Group A. English, 2 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, 4 units, 2 of which must be in the same group.
3. Electives from Groups A-F to make a total of 11 acceptable units but with a maximum of three units from Group F.

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.

I. FOR GRADUATES OF FOUR-YEAR HIGH SCHOOLS

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.

II. FOR GRADUATES OF SENIOR HIGH SCHOOLS

Same as for College of Arts and Sciences except that 1 or 2 of the 4 units required from Groups B-E inclusive, must be in mathematics.

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. Students with such deficiencies are liable to find that they cannot complete the curriculum in four years.

C. 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.

GENERAL ACADEMIC REGULATIONS

REGISTRATION

FRESHMAN WEEK

At the opening of each fall term, a "Freshman Week" program is carried through. This program, for the year 1933-1934, will start Thursday morning, September 7, 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; but freshmen with ten hours' credit are excused from all exercises except the tests.

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.

METHOD OF REGISTRATION

All persons who are planning to enter the University for the first time should have sent from the school last attended, and directly to the Registrar, certified transcripts of their work beyond the eighth grade. No fee is charged and no obligation incurred in having the Committee on Entrance and Credits pass upon credentials. Transcripts should be received by the Registrar 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 entrance examinations are passed. When transcripts are personally presented on Registration Day, their bearers will appear before the Registrar; all such transcripts will be verified immediately and students registered only provisionally until verification is completed.

The steps necessary to complete registration are as follows:

- I. A Census Card should be made out in full and presented at the Registrar's Office, where it will be taken up. Program cards and an Information Card will be given to the student.
- II. Registration in classes is carried on in the Gymnasium, where the procedure is as follows:
 1. The student reports to the Dean of Women or the Dean of Men, who checks the Information Card.
 2. New students report to the Department of Physical Education and make appointments for medical examinations.

3. Next the student reports to the adviser whose name appears on the Information Card and receives help and instruction regarding further steps in registration.
 4. When the program of studies is complete and is signed by the adviser, the student reports to the Dean of his College for final approval. The Dean will keep the Dean's Card and the Information Card.
- III. After the Trial Program Card has been signed by the Dean of the College, it should be taken by the student to the office of the Business Manager in the Administration Building, where all fees will be collected. The Trial Program Card will be taken up in the Business Office.

Students who fail to keep appointments for physical examination, mental tests and other appointments which are a part of registration, shall, unless such absence is excused by the Dean of Women or the Dean of Men, be subject to a 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.

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.

MEDICAL EXAMINATIONS

A medical examination is required of every new student upon registration in the University.

Any prospective student asking admittance into the University after September 1, 1932, who is suffering from active tuberculosis or who is taking treatment for tuberculosis, is to be excluded from the campus whether the case is

termed "active" or "inactive." In all such cases the University physician is to be the final judge.

The University reserves the right to examine a student at any time for the purpose of ascertaining health conditions.

PROGRAM OF STUDIES

No regular 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. But this restriction does not apply to students who by special arrangement are enrolled for six hours or less. To meet the requirements of eligibility, students must enroll in at least 12 credit hours.

CHANGE IN THE 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, or in the case of freshmen and sophomores, his advisor; of the Business Manager; and of the Dean of his College. Changes made after two weeks, except on written demand of the instructor, or at the direction of an administrative officer, will require payment of one dollar.

WITHDRAWAL OF COURSES

The University reserves the right to cancel or withdraw any course for which the enrolment 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 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 to judge whether work lost by absence may be made up, and in what manner; subject to the following provisions:
 - a. For students with a grade below B in any course, an excuse satisfactory to the instructor for any two successive absences must be obtained through the office of the Dean of Men or the Dean of Women, subject to the refusal of the instructor to arrange for make-up work. Permission for such make-up work shall not be granted for any absence on a day preceding or following a holiday, without the concurrence of the Dean of Men or the Dean of Women.
 - b. Any student who maintains a grade of B or above in any given course shall be released from the requirements in Section A above, and shall be subject only to such restrictions as may be imposed by the instructor in that course.
 - c. In every case, the instructor retains the right to decide how the grade in the course is affected by non-attendance; to decide when the student is not entitled to credit on account of absence; and to recommend dismissal from the course as provided in Section 4.

4. It shall lie in the province of the Dean to administer discipline for neglect of duty as indicated by unexcused absences:
 - a. To withdraw a student from a course with the grade of WF when the instructor reports that the student cannot pass the course on account of failure to complete a sufficient amount of work, due to absences or to any other cause.
 - b. To recommend dismissal from the University on the ground of neglect of duty when a student has thus been withdrawn from two courses, including physical education and assembly.
5.
 - a. Absences are excusable when incurred by students who are granted permission in advance by the Dean of Men or Dean of Women to represent the University in some approved activity outside the city. Such permission shall be applied for by the director of the activity.
 - b. Absences incurred on account of illness amounting to two or more successive days may be excused by the Dean of Men or Dean of Women on the statement of the attending physician or responsible person.
 - c. The Dean concerned will notify the instructors of the cause of such absences. The term "excused absence" means merely that administrative officials will not impose discipline on account of absences, also that the student is to no extent exempted from the class work assigned for the days in which the excused absences were incurred.
6. Instructors will keep a record of class attendance and will report absences:
 - a. When two are incurred on successive meetings of class;
 - b. When the number of absences under operation of Section 3 warrants dismissal from the course;

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

GRADING AND EXAMINATIONS

The grades of students in courses are based upon daily work and upon examinations, and are intended to be the resultant of the quantity and quality of work done. The markings are A, B, C, D, I, X, F, WF, and WP, 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

WP Withdrawn before end of semester with passing grade.

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 one year of residence, to change the grade of I to a passing grade. The manner in which the incomplete work is to be made up is to be determined by the instructor concerned, subject to the approval of the Dean of the College. 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 grade of D and credit in the course if the condition is removed within one year of residence. The manner in which the condition may be removed shall be determined by the instructor concerned, subject to the approval of the Dean of the College. Any condition remaining unremoved becomes automatically a failure after the time has expired for the removal of such condition. Only one opportunity is allowed for the removal of a condition.

Students who withdraw from the University after January first or May first will receive the grades: WP, if they are passing at the time of withdrawal; WF, if they are failing at the time of withdrawal.

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 recommended for suspension:
 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, while on probation, he receives grades of X or F in three-fourths of his hours in any six-week report.
- III. No freshman shall be suspended before the fourth six-week report, counting from the beginning of the semester of his first enrolment.
- 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 courses shall be treated on the same basis as other subjects.
- VI. A dean may require a student on probation at the end of the semester to enroll for the minimum 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.

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

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 Business Manager. 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.

UNIVERSITY ASSEMBLIES

Regular assemblies are held on the first or second Thursday or Friday of every month according to a schedule approximately as follows :

Friday, September	15,-----	11 A. M.
Friday, October	6,-----	10 A. M.
Friday, November	3,-----	9 A. M.
Thursday, December	7,-----	11 A. M.
Thursday, January	11,-----	10 A. M.
Thursday, February	8,-----	9 A. M.
Friday, March	2,-----	11 A. M.
Friday, April	6,-----	10 A. M.
Friday, May	4,-----	9 A. M.

Special assemblies may also be called by the President of the University or by the Student Council with the concurrence of the administration. Attendance is required at regular assemblies. It is necessary for a student to obtain from the Dean of Men or Dean of Women an excuse for any absence; this excuse must be obtained within two weeks after the absence is incurred. Attendance at special assemblies is not required unless it is so announced at the time. The penalty for unexcused absences from Assembly is the deduction of one semester hour from the total earned. Lectures and addresses are delivered on various topics of interest by members of the faculty and by visitors to the University and to the city; musical and dramatic recitals, and contests in oratory and debating are held. A fair share of the time set apart for assemblies is given to the Associated Students for the transaction of their business.

GRADUATION

RESIDENCE REQUIREMENTS

The average time for the completion of a degree course is four years following graduation from an accredited high school. The following are the minimum senior residence requirements for students in the undergraduate colleges:

1. Students who have done less than 60 semester hours in residence previous to the senior year, shall earn 30 hours in residence in the senior year.
2. Students who have done 60 semester hours, but less than 90 in residence previous to the senior year, shall earn 24 hours in residence in the senior year.
3. Students who have done 90 or more semester hours in residence previous to the senior year, shall earn 18 hours in residence in the senior year.

(Note: In no case is the number of hours specified to be earned in the senior year to be interpreted as the last hours.)

Students may fulfill part or the whole of this residence requirement by attendance upon a sufficient number of summer sessions.

MINIMUM RESIDENCE REQUIREMENT IN THE MAJOR AND MINOR

Six hours in the major study and three hours in the minor study must be completed in residence.

EXAMINATION FOR ADVANCED STANDING

A student in residence shall have the privilege of passing a course in the University by special examination without attendance upon the course and receive full credit therefrom, such privilege to be subject to the following restrictions:

1. The examination shall have the approval of the Dean of the College, of the head of the Department, and of the instructor concerned.
2. The applicant shall pay in advance the regular fee required in examinations for advanced standing, this fee to be refunded when the requirements have been satisfactorily met, as indicated below.
3. The student shall obtain in the examination a grade not lower than "C" and shall show a mastery of the course acceptable to an examining committee of three appointed by the Dean, including the instructor and the head of the Department concerned.

QUANTITATIVE 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 124 semester hours, plus 4 semester hours in Physical Education courses, in the Colleges of Arts and Sciences and Education; and 135 to 139 semester hours, plus 4 semester hours in Physical Education courses, in the College of Engineering, based on an average quality of work. These requirements include credit hours earned in the prescribed courses in Health and Philosophy 1.

SPECIFIC COURSE REQUIREMENTS

PHILOSOPHY

Philosophy 1 (Contemporary Problems) must be taken by all students in all undergraduate colleges of the University in their freshman year, except those entering with as many as ten hours of college work.

HEALTH

Health 1 or Health 2 must be taken by all students in all undergraduate colleges of the University, in their fresh-

man year. Students transferring from other institutions to the University of New Mexico with 61 or more semester hours advanced standing are excused from this requirement.

PHYSICAL EDUCATION

Physical Education 1, 2, 51, 52 (for men), or 5, 6, 55, 56 (for women) must be taken by all students in 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 semester hour. A total of four semester hours must be earned for any baccalaureate degree, beginning with the class of 1932.

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 semester hours of A work, the amount required for graduation is diminished by one semester hour. For every 30 semester hours of B work, the amount required for graduation is diminished by one semester hour. For every 15 semester hours of D work, the amount required for graduation is increased by one semester hour. The maximum dividends allowed on account of A's and B's are 4 hours, so that a minimum of 120 hours plus 4 hours in Physical Education courses is required for a degree in the Colleges of Arts and Sciences and of Education. Dividends and penalties are calculated only on work done in residence at the University of New Mexico. No dividends are given in the College of Engineering. (See also other requirements existing in the undergraduate colleges.)

GRADUATION WITH HONORS

SENIOR SCHOLASTIC HONORS

All Senior students making a general scholastic average which will rank them in the upper five per cent of the graduating class of the University will be graduated "With Distinction." Ranking will be based upon all work taken at the University of New Mexico. Transferred students must present a minimum of 45 credit hours earned at this institution to obtain these honors.

SENIOR RESEARCH HONORS

Senior students presenting the best Bachelor's theses, demonstrating ability to do independent work of a high order, will be awarded "Research Honors." Intention to do such work must be announced by the student before the middle of his junior year. Awards will be limited to five per cent of the senior class of each College, these awards to be recommended by a committee appointed by the Dean of the College and to be approved by the Administrative Committee.

SPECIAL HONORS FOR CREATIVE WORK

Special honors shall be awarded students who have demonstrated exceptional ability in doing creative work as undergraduates, these honors to be recommended by a committee appointed by the Dean of the College and to be approved by the Administrative Committee.

EXPENSES

In accordance with the desire of the people of the State, it is the intention of the University to make its tuition and fees as inexpensive as possible. All fees (including tuition, laboratory, art, music, and other special fees) are due and payable upon registration. It is, therefore, necessary that the student have sufficient money to defray all immediate expenses, which will include tuition and fees for one semester, board and room for at least one month if the student expects to live in a University dormitory, textbooks, etc.

Upon his first enrolment, each student in the University of New Mexico is charged the matriculation fee, which is paid only once. This fee is required under the Laws of New Mexico of 1923, and former students, who were registered prior to that year and who have not since that time paid the matriculation fee, are subject to this charge.

Students who register for a full course, (i.e. a course earning seven or more credit hours) will pay the following fees:

Matriculation fee, if not previously paid	\$ 5.00
Tuition, residents of New Mexico, per semester	15.00
Tuition, non-residents, per semester	50.00
Student activities fee (undergraduates), per semester	8.00
Health fee, per semester	1.00
Guarantee deposit, per year	10.00
Laboratory, art, music, syllabus fees, etc. (See description of each course in the section entitled "Courses in Departments of Instruction.")	

Students who register in courses earning from four to six semester hours of credit pay the following fees:

Matriculation fee, if not previously paid	\$ 5.00
Tuition, residents of New Mexico, per semester	10.00
Tuition, non-residents, per semester	25.00
Laboratory, art, music, etc., as above.	

Students who register in courses earning three semester hours of credit or less pay the following fees:

Matriculation fee, if not previously paid	\$ 5.00
Tuition, residents of New Mexico, per semester	5.00
Tuition, non-residents, per semester	10.00
Laboratory, art, music, etc., as above.	

TUITION, RESIDENT AND NON-RESIDENT

The following resolution was adopted by the unanimous vote of the Regents of the University on 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.

Upon request of the University authorities, students must furnish proof of their residence in the State of New Mexico. If a person other than the parent is named as guardian, the student will be required to furnish evidence of court appointment.

HEALTH FEE

The health fee is required of every student, both graduate and undergraduate, who is registered for a course earning seven or more semester hours of credit. Payment of the fee entitles the student to a thorough physical examination and to consultation throughout the semester with the University Physician in his office on the campus.

STUDENT ACTIVITIES FEE

The student body, in its organization, The Associated Students, voluntarily voted to assess and collect from each undergraduate the student activities fee of \$8.00 per semester. At registration the University collects this fee as an accommodation to the Associated Students. Those enrolled for not more than six semester hours are not required to pay this fee, since they are not members of the organization. The fee is distributed as follows:

Athletic Association	\$4.10
Mirage (year book)	2.00
Student Council .....	.75
Forum (literary and debating society) .....	.50
Lobo (weekly newspaper) .....	.35
Women's Athletic Association .....	.30

Payment of the fee entitles the student to participate in all undergraduate activities; it provides a ticket admitting him to all athletic contests, student body dances, etc., it permits him to vote in the student body elections; it gives him a subscription to the Lobo, and when paid both semesters, gives him a copy of the Mirage. It is understood that the organizations which receive a share of this fee will comply faithfully with all regulations and that their records will be audited periodically.

WITHDRAWALS AND REFUNDS; THE GUARANTEE DEPOSIT

Students voluntarily withdrawing from the University within fifteen days after the registration dates of the semester will be refunded all academic fees except the matriculation fee. Students withdrawing later than the fifteenth day of the semester will be entitled to a refund of the guarantee deposit only. This deposit is required to cover possible breakage or damage to University property, and is returned, minus any necessary deductions, after the close of the semester in which the student is registered. Students

withdrawing under discipline forfeit all rights to the return of any portion of tuition or fees except the guarantee deposit.

MISCELLANEOUS CHARGES

In addition to the general enrolment fees shown above, charges are made for special services rendered or for failure to comply with regulations, as follow:

Examination to raise X to D	\$ 2.00
Examination for advanced standing, per credit hour	2.50
Change of program after the fifteenth day of the semester except on written demand of the instructor	1.00
Penalty for returned check	1.00
Locker deposit, refundable, per year	1.00
Towel fee, per semester	1.00
Piano rental, per semester	5.00
Diploma fee, Bachelor's degree	5.00
Diploma fee, Master's degree	10.00
Fee for binding thesis	1.50
Late registration fee, see below.	

LATE REGISTRATION FEE

If registration is not completed within the regular time appointed, except for reasons approved by proper authorities, the late registration fee is assessed as follows:

Five per cent of the total fee will be added if registration is completed after the regular dates, but not later than the first Saturday following. Seven and one-half per cent of the total fee will be added if registration is completed after the first Saturday following the regular dates, but not later than the second Saturday.

Ten per cent of the total fee will be added if registration is completed later than the second Saturday after the appointed time.

PAYMENT BY CHECK

All checks, drafts, or money orders given in payment of registration fees or board and room charges should be made payable to the University of New Mexico. If a check for any reason is not honored by the bank when presented

for payment and is returned to the University as uncollectable, the student who gave the check is required to pay a fine of \$1.00. The University is not in a position to cash checks for students except when they are given in payment of fees. Each student should therefore establish contact with one of the local banks immediately upon arriving in Albuquerque.

DINING HALL AND DORMITORIES

For students not living at home, meals and living quarters are provided in the University dining hall and dormitories. Rooms in private homes are approved and listed by the Dean of Men, and are available for men students. Fraternity and sorority houses are approved as places of residence for undergraduate students who are members of these organizations.

Since dormitory accommodations are limited, the first applicants are given the preference of rooms available. The student who wishes to reserve a room should send his application to the Registrar as early as possible, stating whether a single or double room is desired, and enclosing a remittance of \$5.00. This reservation fee will not be refunded under any circumstances, but will be credited to the student's board and room account for the session. The student must furnish his own bedding and linens, and pay his own laundry bills.

A house mother or proctor with full supervisory power is in charge of each of the women's and men's dormitories. Guests will not be entertained over night in the dormitories without the consent of the proctors.

All students occupying rooms in the dormitories are required to take their meals at the University dining hall.

It is the intention of the University to supply meals and lodging at cost. The following rates are subject to change whenever it may be necessary to defray costs of dining hall and residential hall operation. Board and room charges are payable in advance at the beginning of each calendar month.

Room reservation fee (applied on board and room account) —	\$ 5.00
Board and room, according to type of room occupied, per month	\$27.50 to 35.00
Board only, per month	22.50
Single meals:	
Breakfast .....	.25
Lunch .....	.25

Dinner .....	.35
Dinner (noon) on Sundays and holidays .....	.50

Rates for single meals are quoted for the convenience of regular boarders who wish to entertain guests. When a guest is entertained at the dining hall, the clerk should be notified in advance that an extra place is desired at that meal. Persons connected with the University and not living in the dormitories may procure meals at the dining hall at the regular rates shown.

The dormitories and dining hall will be open for freshmen on Thursday, September 7, 1933, and for upperclassmen on Monday, September 11. Upon arrival at the University, the student should immediately call at the Business Office and make whatever arrangements and payments are necessary for taking up his residence in the dormitory.

DINING HALL AND DORMITORY REFUNDS

Room rent once paid is not subject to refund.

Refunds and deductions from the full amount of board are made on the following basis:

Seventy-five per cent of the total pro-rated cost for days missed is refunded. The other twenty-five per cent is retained by the University to cover overhead costs.

No refunds will be made except on account of absence for seven or more consecutive days excused in writing by the Dean of Men or Dean of Women.

STUDENT EMPLOYMENT AND LOAN FUNDS

STUDENT EMPLOYMENT

All students desiring part-time employment will be registered at the employment office in the office of the Dean of Men. Their registration will show the kind of work they desire, their experience and qualifications for that work, the hours during which they will be available without interference with their classroom schedules, etc. No fee is charged for this service.

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 to eighteen hours each week, but students doing outside work should be prepared to limit their class schedules. Each recitation hour requires at least two study hours for preparation. This fact should be considered by students in the allotment of their time. The faculty also may limit the student's schedule in the interests of health and academic efficiency.

The following principles are the basis of selection of candidates for employment through the University Employment Bureau:

1. The establishment of the actual need of the student.
2. Seniority as to class standing, except for a small group of freshmen of special promise.
3. Scholarship.
4. Special skills.
5. Date of application.
6. Residence in New Mexico.
7. Re-employment is to be based first of all on satisfactory service.

Students are employed on the campus, wherever advisable, as janitors, waiters in the dining hall, helpers in the

kitchen, etc. The bulk of employment, however, is found in the homes and business houses of Albuquerque.

At the present time the University advises against students entering without definite prospect of being able to finance themselves for at least one semester.

LOAN FUNDS

UNIVERSITY LOAN FUND

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:

1. The student must have been in residence at the University a year or more.
2. 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.
3. Evidence of proper qualifications as to character must be presented.
4. Students receiving loans will be required to give notes with endorsers as prescribed by the University Business Office.
5. Not more than \$50.00 will be made available to the student at one time, and extension or increase of loan will be conditioned upon the effort of the student to meet his existing obligation.

(NOTE: The maximum amounts 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 are:

Student Loan Fund of the Daughters of the American Revolution.

The American Association of University Women 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 Templar of New Mexico.

The McGaffey Memorial Loan Fund of the Albuquerque Rotary Club.

The Woman's Club Loan Fund.

PRIZES, AWARDS AND FELLOWSHIPS

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 \$500.00, the interest of which is to be used perpetually as a prize to stimulate scholarship. The C. T. French Medal for Scholarship is 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 who has 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 a student but once.

THE GEORGE E. BREECE PRIZE FOR EXCELLENCE IN ENGINEERING

Mr. George E. Breece of Albuquerque in 1921 established this prize-endowment by a gift of \$600.00, 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 is made upon the basis of excellence of scholastic record, character, and general ability during the last two consecutive years of residence in the University.

THE KATHERINE MATHER SIMMS AWARD

In 1921 Mr. Albert G. Simms of Albuquerque presented to the Regents of the University in memory of his deceased wife, Katherine Mather Simms, the sum of \$250.00 in trust, the interest from which sum is awarded and paid in cash

annually at the Commencement exercises to a regularly enrolled student in actual attendance at the University of New Mexico not below junior rank, who shall have excelled in English composition. The student is chosen by the Dean of the College of Arts and Sciences and the professors of English in that College.

THE MARIAN COONS KINDNESS AWARD

In May, 1925, Mr. J. H. Coons of Albuquerque gave to the Regents of the University \$600.00 in Liberty bonds for the establishment of the Marian Coons Kindness Award, in memory of his little daughter Marian. In 1931 this amount was increased by a further gift of \$150.00. The award is given to the regularly enrolled senior student in the Home Economics Department, who shall be voted the most kind by her classmates and teachers in that Department.

THE HARRY L. DAUGHERTY AWARD

A sum of money was given to the University in 1927 by the friends of the late Harry L. Daugherty, assistant professor of civil engineering. 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 and the heads of the College of Engineering Departments.

THE OREN W. STRONG AWARD

During the fall of 1929, Mr. Oren W. Strong established an award of \$50.00 to be given annually by the President of the University on the recommendation of a faculty committee, to a student in the University who has maintained an academic average of at least 85, and who is under the necessity of earning his living expenses. If two or more students with approximately the same scholastic average are being considered, preference shall be given to the one earning the larger share of his necessary expenses. The

name of the student winning this award is announced at Commencement time, and the money is paid to him upon his registration the following fall.

THE CHARLES FLORUS COAN AWARD

In 1930 a sum of money was given to the University by the friends of the late Charles Florus Coan, who at the time of his death was professor of history and political science. The income from this gift is awarded annually to some worthy student in the Department of History and Political Science who is recommended to the President of the University by the members of the faculty of the Department.

THE ROSE RUDIN ROOSA MEMORIAL AWARD

Mr. Howard Roosa of Albuquerque, wishing to perpetuate the influence of his late wife, Rose Rudin Roosa, in the direction of good government and good citizenship, presented to the Board of Regents in 1932 the sum of \$1,000.00, the income from which fund is to be awarded annually to a student of the University whose major interest is in the field of government and citizenship, and who by his work in that field has given evidence of scholarship and originality as well as interest in and understanding of the problems and duties of citizenship. The recipient of this award must be an advanced student in the field of government, and will be expected to do at least one full year's work in the University after receiving the award. This award is made by the President of the University upon the recommendation of a committee of the faculty appointed by him.

THE 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 CHI OMEGA PRIZE IN ECONOMICS

The Chi Omega Sorority in 1925 established an annual prize of \$15.00 to be awarded to the regularly enrolled woman student (Chi Omegas excepted) who does the best work in economics during the college year. A faculty committee selects the student on the basis of her scholarship and general knowledge of the subject.

THE ALPHA CHI OMEGA PRIZE IN MUSIC

The Alpha Chi Omega Sorority in 1927 established an annual prize of \$10.00 to be awarded to the student registered in the Department of Music who makes the greatest improvement during the regular academic year. The faculty of the Department of Music selects the student to receive the award.

THE SIGMA TAU MEDAL

The Sigma Tau medal is awarded each year to the regularly enrolled freshman engineering student who has earned at least thirty-four semester hours toward graduation, and whose weighted average grade for the year is highest.

THE NEW MEXICO SECTION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS AWARD

The New Mexico Section of the American Society of Civil Engineers each year awards a certificate of merit, and expense of admission to junior membership in the Society to that member of the graduating class in Civil Engineering who by high scholarship and other outstanding accomplishments gives the most promise of success in his profession.

PI GAMMA MU PRIZE

Pi Gamma Mu in 1932-33 established an annual prize of \$25.00 for the best research paper in the social sciences written by an undergraduate student in residence. A committee of Pi Gamma Mu will be the judges of the award.

THE IVES SCHOLARSHIPS

The Ives Memorial Scholarships were created by the will of the late Byron H. Ives of Albuquerque, in memory of Julia Louise Ives and Helen Andre Ives. The income from this fund is used to maintain three scholarships for women students, of \$200.00 each. The scholarships are awarded annually by a committee of the faculty. Candidates must be residents of New Mexico, preferably living in Albuquerque; in good health; of good moral character; of high scholastic standing; and must intend to teach. Candidates for these scholarships should make application to the President of the University before July 1. Final selection for the following academic year will be made during the month of July.

THE GRUNSFELD SCHOLARSHIPS

In 1927 Mrs. Miriam N. Grunsfeld gave 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. In 1929 Mrs. Grunsfeld gave \$5,000.00 to establish another trust fund to be known as the Miriam N. Grunsfeld Scholarships. The income from these funds is used in the payment of four scholarships, two of which are for men and two for women.

At Commencement in each school year, the President of the University, upon the recommendation of a committee of the faculty appointed by him, awards the scholarships to worthy students for the purpose of enabling them to continue their education during the next academic year. The

scholarships are awarded in accordance with the following conditions:

1. To be eligible for the scholarships, students must be residents of the State of New Mexico. It is also required that during that academic year immediately preceding the award, they shall have been in actual attendance at the University, and that they shall be registered as full-time students; that three of them shall have been enrolled in the Department of History and Political Science (the fourth may be enrolled in any department of the University) and that they shall be above the rank of junior.
2. In selecting the students to receive the awards, consideration is given to the general scholarship of the students and to their financial requirements.

When the students who have received the awards shall register at the beginning of the next regular academic year, they 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 \$100.00, and at the beginning of the second semester, a like sum shall be paid. This money shall be used by the students for their expenses during the academic year for which the scholarships are 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 academic year may be awarded to an alternate, to be selected in the same manner as hereinabove provided.

THE C. M. T. C. SCHOLARSHIP

The Board of Regents in 1931 established a \$100.00 scholarship for 1931-32 to be awarded to the New Mexico C. M. T. C. student receiving the recommendation of the Commanding Officer of the Camp. By action of the Regents in February, 1932, this scholarship was continued for the academic year, 1932-33.

THE SAN JOSE SCHOLARSHIPS

Through the funds granted to the San Jose experiment by the General Education Board, Senator Bronson M. Cutting, and with the co-operation of Bernalillo County, two types of scholarships are available:

TRAINING SCHOOL SCHOLARSHIPS

Twenty-four scholarships are available each year to teachers who are actually engaged in teaching native Spanish-speaking school children of the elementary grades. Each scholarship guarantees transportation, board and room for three months to be spent at the Training School. Selection is made by the Director of the School upon the recommendations of county superintendents.

SAN JOSE SCHOLARSHIPS OF THE COLLEGE OF EDUCATION

Five scholarships are available, each with a stipend of \$400.00. The recipient must:

- (1) Be a Spanish-speaking native;
- (2) Have had at least two years of successful teaching experience;
- (3) Have two or more years training beyond high school;
- (4) Expect to make teaching in the rural schools his or her life work.

The scholarships are awarded by a committee of the faculty of the College of Education for a term of one year. They may be reawarded to the same person.

GRADUATE FELLOWSHIPS

Four to six fellowships, each with a stipend of \$400.00, 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 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.

THE RHODES SCHOLARSHIPS

The trustees of the will of Cecil Rhodes have modified the manner of selection of Rhodes Scholars to provide for a maximum of thirty-two scholars each year, each to receive an honorarium of \$2,000.00 per annum, and to study for two or three years in Oxford University, England.

A committee of the faculty of the University nominates 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

CARNEGIE CORPORATION GIFT

A notable gift in 1930 was \$25,000.00 from the Carnegie Corporation for the purchase of books, the funds to be spread over a period of five years. With the 1931 and 1932 allocations, 3,453 books were bought, adding greatly to the effectiveness of the library.

THE SAN JOSE EXPERIMENT

Beginning with the academic year 1930-31, the General Education Board pledged \$12,000.00 a year for five years for the purpose of experimental work with Spanish-American school children. This sum was supplemented by a gift of \$5,000.00 a year for three years from Senator Bronson M. Cutting. This money, together with the regular budget for the San Jose school provided by the Bernalillo County Board of Education, has made possible the establishment of the San Jose Training School.

THE DR. HORATIO OLIVER LADD COLLECTION

The library has been enriched by the late Dr. Horatio Oliver Ladd's collection of books, manuscripts, old Navajo blankets, rare old Indian and Mexican pottery, and other New Mexico relics.

THE NEILL B. FIELD COLLECTION

In accordance with the will of the late Neill B. Field, the University will receive his collection of old Spanish and Mexican silver, Spanish and Mexican shawls, santos and bultos, and certain pictures and furniture, to be preserved as museum pieces on condition that the Board of Regents of the University shall agree to make them the basis and foundation for a public museum.

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, to be eligible for election, must have been in residence for three semesters, and must stand in the highest fifth in 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.

Pi Gamma Mu is a national honorary fraternity of the social sciences. The Alpha Chapter of Pi Gamma Mu was organized in 1928 at the University of New Mexico. Seniors and juniors who have attained high rank in scholarship and who have distinguished themselves in social studies shall be chosen members.

A chapter of Delta Pi Sigma, national honorary mathematics fraternity, was established at the University of New Mexico, January 9, 1932. Requirements for election are: enrolment in a mathematics course above integral calculus; an average of B or above for all mathematics courses studied; and credit in this institution for at least six hours of mathematics. The purpose of the fraternity is to promote interest in mathematics and high scholarship.

STUDENT ORGANIZATIONS

The students of the University constitute a general student body organization which is called "The Associated Students of the University of New Mexico," and which controls the other organizations of general interest. The editor and manager of the student newspaper, the Lobo, and the year book, the Mirage, are elected by the Student Publications Board and they work under direction of this board. Under direction of the Dramatic Club, plays are presented. 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 of the University. The University is a member of the Border Intercollegiate Athletic Conference.

The students support several other organizations. Among these are the Y. M. C. A., the Y. W. C. A., Associated Women Students, El Circulo Espanol, the Bi-lingual Club, the Lettermen's Club, the student chapter of the American Association of Engineers, Pa-Yat-Ya-Mo, Cacique, Akiho, the Independent Men, and Phrateres. The honorary society of Mortarboard Junior, the members of which are selected from women 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 Council take prominent places 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 of the University 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 five national sororities: Kappa Kappa Gamma, Alpha Delta Pi, Phi Mu, Alpha Chi Omega, and Chi Omega, among the women. These organizations 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., are decided by the President of the University.

Record is kept of the scholarship of the 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 by the Regents to the United States government, in behalf of the University, for a unit of the Reserve Officers Training Corps, which unit 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 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 afforded by these units, the University, when possible, offers a basic course in military science. For reasons of economy the course is not offered at present.

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 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, journalism, Latin, library science, mathematics, music, philosophy, physics, physical education, political science, psychology, sociology, 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 in the other undergraduate colleges, as follows:

Education 31, 55, 101, 102, 109, 141, 174; and Psychology 54.

Engineering 1, 2, 51, 55, 60; Electrical Engineering 101 or 105, 102 or 106; and Mechanical Engineering 101, 102, and 109.

Students wishing to choose courses other than those listed above should consult the Dean of the College of Arts and Sciences. Methods courses in the College of Education are not advised.

A student in this Collège may obtain a teaching certificate by taking fifteen hours in Education. Degrees in both Arts and Sciences and Engineering can be obtained by following a five-year curriculum outlined jointly by the Deans of the two Colleges.

GRADUATION REQUIREMENTS

QUANTITY, QUALITY, AND DEGREE OF ADVANCEMENT

The quantitative requirement for graduation is 124 semester hours in academic subjects, and four semester

hours in physical education. 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 41.) Ninety hours of the whole must be of C grade or better; and in addition, students transferring from other institutions must make a grade of C or better in three-fourths of the hours earned in the University of New Mexico. Not more than fifty hours may be taken in courses open to freshmen without a reduction in the amount of credit usually given for such courses; and at least forty hours must be earned in courses numbered above 100.

PLAN AND THEORY OF THE CURRICULUM

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 page 70.)

PRESCRIBED COURSES

For required courses in health, physical education, Philosophy 1, and public assembly, see page 40-41.

GROUP REQUIREMENTS

(NOTE: Group requirements are to be completed by the end of the sophomore year. No student shall be counted as a junior who is deficient in more than four hours of these requirements.)

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

II. FOREIGN LANGUAGE.

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

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

III. SOCIAL SCIENCES. Courses earning nine credit hours must be completed in this group. Not more than six hours from the same Department may be applied to this group requirement. When the student has been admitted with less than one unit in social sciences the requirement is raised to twelve credit hours. The subjects in this group are:

Anthropology	History
Economics	Political Science
Education (approved courses)	Philosophy

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 to eighteen credit hours. The subjects in this group are:

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

MAJOR AND MINOR REQUIREMENTS

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 subject lies. He shall complete in his 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 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.

Courses taken in fulfillment of major and minor requirements may also be counted toward the fulfillment of group requirements.

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 completion of three credit hours in the major study in this University.

NOTE: Majors or minors in Education are not accepted toward degrees in this College.

ELECTIVES

After all requirements are provided for a student may elect such other courses as he desires, to complete the required total of 128 credit hours. However, such election is subject to the restrictions stated above concerning the degree of advancement of the courses chosen, and the choice of courses in other Colleges.

MAXIMUM AND MINIMUM NUMBER OF HOURS

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

No member of this College may enroll for 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 the recommendation of the Faculty and President of the University, the degree of Bachelor of Arts is conferred by the Board of Regents upon those candidates who have completed the requirements for the same. 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 DIVISIONS

Effective upon the freshman class entering in September, 1931, and upon all classes thereafter (including students transferring from other institutions) the normal four years of college work have been divided into two units of two years each, which are 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 is presented to all students who have successfully completed the following minimum requirements: (1) sixty-two hours; (2) the general requirements in health, physical education, and Philosophy 1; (3) group requirements to the extent of six 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 work described above under the headings Prescribed Courses and Group Requirements; and he must have an average grade of C for the two years. The requirement in foreign languages is relaxed to the extent that a student

who has entered the University without high school credit in language is 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 must complete enough hours to fulfill the requirement of 124 hours plus four hours in physical education, and must comply with major and minor requirements (see above). Of the 128 hours, fifty-four must be earned after entrance into the Upper Division; at least forty must be earned in courses numbered above 100; and forty-five must be of C grade or better. Upon completion of the work in the Upper Division, the degree of B.A. or B.S. is conferred.

Students in the Lower Division are required to confine themselves to courses numbered below 100. An exception is made of 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 fulfillment of the Upper Division requirements.

CURRICULA

GENERAL CURRICULUM

The following is the standard freshman program. Necessary deviations from it should be made only after consultation with the Dean. Numbers indicate credit hours.

First Semester		Second Semester	
Physical Education 1 or 5	1	Physical Education 2 or 6	1
Philosophy 1	2	Health 1	2
English 21	3	English 22	3
Foreign Language	3-5	Foreign Language	3-5
Social Science	2-5	Social Science	2-5
Mathematics or Science	2-5	Mathematics or Science	2-5
Total		Total	
16-17		16-17	

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 such other courses as may help them to decide upon their major and minor studies.

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
Chemistry 1	4	Chemistry 2	4
Art 15	3	Art 16	3
Philosophy 1	2	Health 1	2
Home Economics 11	3	Home Economics 12	2
Physical Education 5	1	Home Economics 14	3
		Physical Education 6	1
Total		Total	
	16		18

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
Biology 1	4	Biology 54	4
Foreign Language	3-5	Foreign Language	3-5
Economics 43	3	Chemistry 68	3
Home Economics 53	3	Home Economics 54	3
Home Economics 61	3	Home Economics 62	3
Physical Education 55	1	Physical Education 56	1
Total		Total	
	17-19		17-19

THIRD AND FOURTH YEARS

Physics 61, Biology 93, English 61 or 65, Home Economics to complete a major (see pages 68-69, and departmental statement), and additional subjects to fulfill group requirements.

CURRICULUM PREPARATORY TO LAW

All law schools of high rank now require 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, taking at least two years of English, history, government, economics, the languages, and the sciences. The exact curriculum will depend upon the requirements of the law school which the student plans to enter, but he should, in general, pursue the regularly required courses for the freshman and sophomore years, choosing his electives under the direction of the Dean of the College.

CURRICULUM PREPARATORY TO MEDICINE

The minimum of College work required for admission to medical schools approved by the Council on Medical Education in the United States is sixty semester hours in a College of Arts and Sciences. There are, however, a number of leading medical schools whose admission requirement exceeds that approved by the Council on Medical Education, ranging from a minimum of sixty-five 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 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 required or recommended in the two or three years of college work preparatory to medical college.

Besides satisfying the Lower Division requirements in physical education, Philosophy 1, English, and the social sciences, the pre-medical student should, during his first two years, shape his program according to the following list:

Required	Hours	Advised	Hours
Chemistry	12-16	Mathematics 15 and 16	6
Biology	8-12	Psychology	3-6
Physics	8	Latin	6-12
French or German	6-12	Economics	3-6
		History	3-6
		Additional Chemistry	3-6
		Additional Biology	3-6

Students who expect to take a degree at the University of New Mexico before proceeding to a medical college must add to this list the courses necessary to meet group, major and minor, and other requirements.

Suggestions Regarding Individual Subjects

Chemistry. Required, eight hours of general inorganic (including four hours of laboratory work), and additional hours of organic; recommended in addition, quantitative analysis.

Biology. Required, eight hours of general biology or of zoology, or four hours each of zoology and botany (including four hours of laboratory work); recommend in addition, comparative vertebrate anatomy, and work in animal histology, embryology, or animal physiology.

Physics. Required, eight hours. This work should be preceded by a course in trigonometry.

French or German. Required, a reading knowledge of one of these languages.

Electives. The leading medical schools urge a broad foundation of culture and general knowledge before entrance upon the professional course, rather than undue emphasis upon scientific or semi-professional subjects.

COLLEGE OF ENGINEERING

The duties of the engineer are so varied and far-reaching that no single definition adequately portrays his services to the human race. He should, however, be able to apply the laws of nature to the benefit of mankind; to manage and control technical works and industries; and to apply his scientific training and experience to the political and social problems of his day. Such a variety of work requires men of good character who are well grounded in the fundamentals of the profession of engineering.

It is the purpose of the College of Engineering to train the student in the elements of his branch of engineering, and to develop honesty, loyalty, industry, and thoroughness so that he may enter the profession of his choice with profit to mankind as well as to himself.

ADMISSION

A detailed statement of entrance requirements will be found on page 27.

A student desiring to enter the engineering profession is sometimes at a loss to know what subjects to elect from the mass of work now offered in the average high school, in order to derive the greatest profit from his college work. The following outline of courses is suggested for those students wishing to enter the College of Engineering.

	Units
English	3
Mathematics (algebra 1, plane geometry 1)	2
Social Sciences (at least two of which should be history)	3
Natural Sciences (preferably physics)	1
Foreign Language	2
*Electives	4

*It is recommended that at least one additional unit (preferably in algebra) be elected in mathematics.

Transfer students, special students, and auditors desiring to enter the College of Engineering will be governed by the rules and regulations outlined on pages 20-22.

SCHOLASTIC REGULATIONS

Students in the College of Engineering will be governed by the scholarship regulations given on page 35.

COURSES OF STUDY

The College of Engineering offers five four-year programs of study leading respectively to the degrees of Bachelor of Science in Chemical Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Geological Engineering, and Bachelor of Science in Mechanical Engineering. It also is possible to arrange a program of study so that the Bachelor of Arts degree can be obtained in one additional year. See page 66.

ARCHITECTURAL ENGINEERING

While a degree is not offered in architectural engineering, it is possible to arrange a two-year program of study toward a degree. The student can then transfer to another institution offering a four-year program.

SPECIAL COURSES

Such courses as aeronautical engineering, petroleum production engineering, industrial engineering, heating and ventilating engineering, railway mechanical engineering, refrigerating engineering, etc., are special courses in the field of mechanical engineering.

Such courses as sanitary engineering, city planning, structural engineering, transportation engineering, hydraulic engineering, etc., are special courses in the field of civil engineering.

Such courses as electrical power engineering, electrical communication, illumination engineering, etc., are special courses in the field of electrical engineering.

Such courses as metallurgy, gas engineering, organic technology, etc., are special courses in the field of chemical engineering.

Students desiring to major in any of the special courses listed above, should take a Bachelor of Science degree in the general related field, and then take graduate work in a school offering the special course that he wants. It is not considered advisable by authorities in the engineering profession for the student to take highly specialized courses for an undergraduate degree.

LABORATORIES AND EQUIPMENT

DRAWING AND DESIGN LABORATORIES

The College has three well-equipped rooms in Hadley Hall to care for all of the drafting room work offered. One of these rooms is used for freshman work, one for sophomore and junior work, and one for senior work. The three rooms are equipped with drafting tables and filing cabinets, and the senior room is provided with such equipment as a calculating machine and two Universal drafting machines.

CHEMICAL LABORATORIES

The chemical laboratories of the University of New Mexico are equipped for teaching 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.

CIVIL ENGINEERING LABORATORIES

The civil engineering laboratories include a road material laboratory, building material laboratory, hydraulics laboratory, and surveying equipment to be used in all types of elementary and advanced field courses.

The materials testing laboratory is equipped for making tests of materials used in engineering practice, such as cement, concrete, stone, brick, tile, timber, steel, and other metals. Tests are conducted by students to illustrate the

properties of these materials. The laboratory also is used for research problems, and, to a limited extent, for commercial testing. All equipment and all tests conform to accepted standards of engineering practice.

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

The highway testing laboratory contains a complete set of equipment for making standard tests on road oils and asphalts, and also machines for the testing of gravels used in highway construction.

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

ELECTRICAL ENGINEERING LABORATORY

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

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

Close co-operation is maintained between the laboratories of the Departments of Physics and Electrical Engineering, so that the equipment of both these departments is available to each. Such co-operation has become necessary because 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, such 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 LABORATORY

The mechanical engineering laboratory is housed in the north wing of Hadley Hall and contains approximately 2,500 square feet of floor area. New equipment has recently been added to this laboratory so that the required number of experiments can be carried out during the junior and senior years.

An effort has been made to bring the student into contact with as many phases of mechanical engineering as possible in his laboratory work. The laboratory is equipped for experimental work in such fields as heat power, air and gas flow, and refrigeration. In his work in heat power the student will come into contact with steam boilers, steam engines, steam turbines, condensers, gas engines, and various auxiliary equipment necessary to complete the units. In his work in air and gas flow, the student will come into contact with the compression of air, the flow of air at low pressure, and the various methods of measuring the flow of high- and low-pressure air and gasses. In the study of refrigeration, the student will come into contact with a complete refrigerating plant representing the latest practice in this field and designed for experimental work. In addition to the above the student will come into contact with the various instruments to measure power, speed, pressure, temperature, quantity, etc.

While this list does not include all of the equipment in this laboratory, it is sufficient to give some idea of the variety of work possible.

REQUIREMENTS FOR GRADUATION

Candidates for the degree of Bachelor of Science in any of the Departments of the College of Engineering must

complete all of the work outlined in their respective curricula.

The course of study for the first year is uniform for all Departments, and the courses of study for civil, electrical, and mechanical engineering are uniform for the first and second years.

Students electing civil, electrical, or mechanical engineering should indicate their preference at the end of the sophomore year. Students electing chemical or geological engineering should indicate their preference at the end of the freshman year.

Electives, where permitted, are to be chosen with the advice and consent of the head of the major Department concerned, and of 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.

Two-thirds of the semester hours in the required work must be of C grade or better.

CURRICULA OFFERED BY THE COLLEGE OF ENGINEERING

COURSES OF STUDY FOR ALL ENGINEERING STUDENTS

NOTE: In the table following, the figures in the first column 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 the laboratory or drawing room, and those in the third column indicate the credit hours per semester.

First Year—First Semester

Mathematics 15	Algebra -----	3	0	3
Mathematics 1	Solid Geometry -----	3	0	3
Chemistry 1	Inorganic -----	3	3	4
English 21	Composition -----	3	0	3
Engineering 1	Engineering Drawing -----	1	3	2
Philosophy 1	Contemporary Problems -----	2	0	2
Physical Education 1	-----	3	0	1

Second Semester

Mathematics 16	Trigonometry -----	3	0	3
Mathematics 22	Analytic Geometry -----	3	0	3
Chemistry 2	Inorganic -----	3	3	4
English 22	Composition -----	3	0	3
Engineering 2	Engineering Drawing -----	1	3	2
Health 1	Personal Health -----	2	0	2
Physical Education 2	-----	3	0	1
				18

Second Year—First Semester

Mathematics 53	Calculus -----	4	0	4
Physics 51	Engineering Physics -----	4	3	5
Economics 51*	Introduction to Economics -----	3	0	3
Engineering 51	Descriptive Geometry -----	1	3	2
Engineering 55	Surveying -----	1	6	3
Physical Education 51	-----	3	0	1
				18

Second Semester

Mathematics 54	Calculus -----	4	0	4
Physics 52	Engineering Physics -----	4	3	5
Economics 52*	Introduction to Economics -----	3	0	3
Engineering 58	Engineering Lectures -----	1	0	1
Engineering 60	Applied Mechanics (Statics) -----	3	0	3
Physical Education 52	-----	3	0	1
				17

*The following courses in chemistry must be substituted for economics by those students electing chemical engineering.

First Semester

Chemistry 51	Qualitative Analysis -----	1	8	5
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Second Semester

Chemistry 52	Quantitative Analysis -----	0	6	3
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*The following course in geology must be substituted for economics by those students electing geological engineering.

First Semester

Geology 103	Engineering Geology -----	3	2	4
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Second Semester

Geology 2	Historical Geology -----	3	0	3
Geology 6	Historical Geology Laboratory -----	0	2	1

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

Third Year—First Semester

Chemistry 101	Quantitative Analysis	0	8	4
Chemistry 61	Organic	3	0	3
M. E. 101	Heat Power	3	0	3
M. E. 103	Heat Power Laboratory	0	6	2
Economics 51	Introduction to Economics	3	0	3
Electives		3	0	3
				18

Second Semester

Chemistry 62	Organic Laboratory	0	6	3
Chemistry 151	Advanced Quantitative Analysis	0	8	4
C. E. 103	Strength of Materials	3	0	3
M. E. 102	Thermodynamics	3	0	3
Economics 52	Introduction to Economics	3	0	3
				16

Fourth Year—First Semester

Chemistry 112	Industrial	2	0	2
E. E. 105	P. & P. of E. E.	2	3	3
English 65	Practical English	3	0	3
Geology 51	Mineralogy	1	3	2
M. E. 105	Engineering Materials	3	0	3
Electives		4	0	4
				17

Second Semester

Chem. 110—110a	Physical and Laboratory	4	3	5
Chemistry 113	Metallurgy	2	0	2
E. E. 106	P. & P. of E. E.	2	3	3
C. E. 110	Hydraulics	2	0	2
M. E. 156	Engineering Economics	3	0	3
Electives		2	0	2
				17
Total				141

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

Third Year—First Semester

C. E. 103	Advanced Surveying	2	6	4
M. E. 109	Applied Mechanics (Dynamics) ..	3	0	3
M. E. 101	Heat Power	3	0	3
M. E. 107	M. E. Laboratory	0	3	1
E. E. 105	P. and P. of E. E.	2	3	3
C. E. 115	Masonry	2	3	3
				17

Second Semester

C. E. 108	Strength of Materials	3	0	3
C. E. 112	Materials Laboratory	1	3	2
C. E. 110	Hydraulics	2	0	2
C. E. 118	Highway Engineering	2	3	3
C. E. 104	R. R. Engineering	3	3	4
E. E. 106	P. and P. of E. E.	2	3	3
				17

Summer Camp

C. E. 157	Surveying	0	6	2
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Fourth Year—First Semester

C. E. 159	Stresses in Structure	2	3	3
C. E. 169	Topographic Mapping	0	3	1
C. E. 167	Reinforced Concrete	2	3	3
C. E. 165	Sewerage	2	0	2
C. E. 173	Hydraulic Laboratory	0	3	1
Geology 103	Engr. Geology	3	3	4
English 65	Practical English	3	0	3
				17

Second Semester

C. E. 162	Water Supply	3	0	3
C. E. 160	Design of Structures	2	3	3
C. E. 170	Contracts and Specifications	2	0	2
C. E. 166	Municipal Design	1	6	3
C. E. 182	Seminar	1	0	1
Elective	.....	5	0	5
				17
Total				141

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

Third Year—First Semester

E. E. 101	D. C. Machinery -----	4	0	4
E. E. 111	D. C. Machinery Laboratory ----	0	6	2
M. E. 109	Applied Mechanics (Dynamics) --	3	0	3
Physics 111	Electricity and Magnetism -----	2	0	2
Physics 113	Electrical Measurements -----	0	6	2
M. E. 101	Heat Power -----	3	0	3
M. E. 107	M. E. Laboratory -----	0	3	1

17

Second Semester

E. E. 102	A. C. Theory -----	4	0	4
E. E. 112	A. C. Laboratory -----	0	6	2
E. E. 114	D. C. Traction -----	1	0	1
C. E. 108	Strength of Materials -----	3	0	3
C. E. 112	Materials Laboratory -----	1	3	2
M. E. 102	Thermodynamics -----	3	0	3
C. E. 110	Hydraulics -----	2	0	2

17

Fourth Year—First Semester

E. E. 151	A. C. Machinery -----	4	0	4
E. E. 155	A. C. Machinery Laboratory -----	0	6	2
E. E. 161	Electrical Design -----	1	6	3
E. E. 193	Communications -----	3	0	3
E. E. 197	A. C. Traction -----	1	0	1
English 65	Practical English -----	3	0	3
C. E. 173	Hydraulics Laboratory -----	0	3	1

17

Second Semester

E. E. 152	A. C. Machinery -----	4	0	4
E. E. 156	A. C. Machinery Laboratory -----	0	6	2
E. E. 162	Electrical Design -----	2	6	4
E. E. 196	Transmission -----	2	0	2
E. E. 198	Illumination -----	1	0	1
E. E. 200	Radio and Signalling -----	2	0	2
C. E. 170	Contracts and Specifications -----	2	0	2

17

Total ----- 139

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

Third Year—First Semester

Geology 51	Mineralogy -----	1	2	2
Geology 107	Petrology -----	2	2	3
Geology 109	Stratigraphy -----	2	4	4
C. E. 103	Advanced Surveying -----	2	6	4
Economics 51	Introduction to Economics -----	3	0	3

16

Second Semester

Geology 52	Mineralogy -----	0	4	2
Geology 108	Structural Geology -----	3	0	3
Geology 110	Stratigraphy -----	2	4	4
C. E. 108	Strength of Materials -----	3	0	3
Economics 52	Introduction to Economics -----	3	0	3
Geology 106	Geologic Mapping -----	0	6	2

17

Summer Camp

C. E. 157	Surveying -----	0	6	2
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Fourth Year—First Semester

Geology 101	Economic Geology -----	3	0	3
Geology 105	New Mexico Geology -----	0	6	2
Geology 111	Paleontology -----	3	3	4
C. E. 169	Topographic Mapping -----	0	3	1
English 65	Practical English -----	3	0	3
Chemistry 51	Qualitative Analysis -----	1	8	5

18

Second Semester

Geology 102	Economic Geology -----	3	0	3
C. E. 112	Materials Laboratory -----	1	3	2
Geology 112	Paleontology -----	3	3	4
Chemistry 52	Quantitative Analysis -----	0	6	3
Chemistry 113	Metallurgy -----	2	0	2
Elective	-----	3	0	3

17

Total ----- 143

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

Third Year—First Semester

M. E. 109	Applied Mechanics (Dynamics) ..	3	0	3
M. E. 101	Heat Power Engineering	3	0	3
M. E. 103	Heat Power Laboratory	0	6	2
M. E. 105	Engineering Materials	3	0	3
E. E. 105	P. and P. of E. E.	2	3	3
English 65	Practical English	3	0	3
				—
				17

Second Semester

C. E. 108	Strength of Materials	3	0	3
C. E. 112	Materials Laboratory	1	3	2
M. E. 102	Thermodynamics	3	0	3
M. E. 114	Mechanisms	2	6	4
C. E. 110	Hydraulics	2	0	2
E. E. 106	P. and P. of E. E.	2	3	3
				—
				17

Fourth Year—First Semester

M. E. 151	M. E. Laboratory	0	6	2
M. E. 153	Machine Design	2	3	3
M. E. 155	Power Plants	4	0	4
C. E. 114	Hydraulics Laboratory	0	3	1
M. E. 157	Seminar	1	0	1
Elective	Technical	3	0	3
Elective	Non-Technical	3	0	3
				—
				17

Second Semester

M. E. 152	M. E. Laboratory	0	6	2
M. E. 154	Machine Design	2	3	3
M. E. 156	Engineering Economics	3	0	3
C. E. 170	Contracts and Specifications	2	0	2
M. E. 158	Seminar	1	0	1
Elective	Technical	3	0	3
Elective	Non-Technical	3	0	3
				—
				17
Total				139

COLLEGE OF EDUCATION

HISTORY

After 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 and the institution 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 that first department in the University and in the state, it has been the policy to offer teacher-training courses in elementary education and later in secondary education, administration, etc.

The Normal Department of the University was changed to the School of Education in 1906. The School of Education was continued as such until 1917, when it was merged with the College of Arts, Philosophy, and Sciences. On March 12, 1928, the Board of Regents, on the recommendation of the faculty, established the College of Education.

PURPOSE

The purpose of the College of Education is to meet the needs of the state in the preparation, training, and certification of teachers, supervisors, and administrators by correlating the forces of the University to that end. 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.

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 that he expects to teach; and that his

training should be supplemented by professional education designed to give a knowledge of the pupils to be taught, the problems to be met in 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 supervisors and school executives, however, it is advisable to major in Education.

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 the recommendations of the North Central Association of Colleges and Secondary Schools 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.

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

ADMISSION

For the quantitative requirements for admission to the College of Education see pages 25-26.

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 education.

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 almost impossible to do this unless the student enrolls in the College of Education before the senior year.

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

MAXIMUM AND MINIMUM NUMBER OF HOURS

Each student shall enroll for not less than fourteen semester hours, except for reasons presented in writing and duly approved by the Dean. This restriction does not apply to students who by special arrangements are enrolled for six hours or less.

No student in this College may enroll for more than seventeen credit hours, unless his standing for the previous semester be at least B in two-thirds of his 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.

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, one function of which is to assist students and graduates of the University to obtain positions in the teaching profession, is maintained by the University. 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 at 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.

EXTENSION DIVISION

The Extension Division of the University of New Mexico is a member of the National University Extension Asso-

ciation and is under the supervision of the College of Education. A special bulletin has been issued giving all courses in the various Departments of the Colleges of the University.

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

REQUIREMENTS FOR GRADUATION

Graduates of the College of Education who major in education or the sciences receive the degree of Bachelor of Science in Education; those who major in physical education receive the degree of Bachelor of Science in Physical 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 grade of C 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. Each senior must pass a comprehensive examination in educational subjects relative to his field of work.
4. Each candidate for a degree must complete at least 40 semester hours in courses numbered above 100.
5. Students preparing to teach should follow the curricula as outlined. A total of 128 semester hours including health, Philosophy 1, and physical education, is required for graduation. (See page 40.) This amount is based upon the average quality of work done. (See page 41.) Ninety hours of the total must be C grade or better.
6. A student preparing to teach in the secondary schools must select as a major some 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, professional courses in education are required as outlined in the various curricula.
 9. Students who desire to prepare for administrative or supervisory positions should major in the Curriculum for Administrators and Supervisors, and minor in some subject which has bearing upon their chosen field of work.
 10. For minimum residence requirements, see page 39.

GROUP REQUIREMENTS

- I. ENGLISH. As evidence of proficiency in oral and written English, a student must earn twelve credit hours. Six credit hours must be earned in English 21 and 22, and six additional hours must be earned in courses numbered above 50.
- II. FOREIGN LANGUAGE OR SUBSTITUTION.
 - (a) When a 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.
 - (c) Substitutions may be made as follows:
 - (1) Administrators and supervisors may substitute an equal number of hours of professional subjects.

- (2) High school and elementary teachers may substitute an equal number of hours in their major and minor fields in addition to the regular requirements.

This additional work must be of C grade or better.

- 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
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 in 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 in this group are:

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

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

Two hours of Philosophy 1, two hours of health, and four hours of physical education should be taken in the first two years.

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 Colleges and Secondary Schools, the requirements in New Mexico and other states in the Rocky Mountain region.

There are also curricula for 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 Three Year Professional Certificate.

Special curricula are provided for students preparing to teach music, physical education or home economics in public schools.

CURRICULUM FOR STUDENTS PREPARING TO TEACH IN HIGH SCHOOL

This four-year curriculum leads to the degree of Bachelor of Arts in Education or Bachelor of Science in Education.

FIRST 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
Philosophy 1	2		

SECOND YEAR

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
†N. M. History and Civics	2	Social Science	3
**Foreign Language	3	**Foreign Language	3
Physical Education	1	Physical Education	1
Electives	3	Electives	3

THIRD 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

**For substitution, see Group Requirements for Graduation.

†Required only of those who expect to teach in New Mexico.

*According to advice of Dean.

FOURTH YEAR

*Teachers Course	3	Education 156	1-5
Majors and Minors	5	Majors and minors	3
Electives	8	Electives	8

CURRICULA FOR STUDENTS PREPARING TO TEACH IN THE
ELEMENTARY SCHOOLS

This four-year curriculum leads to the degree of Bachelor of Arts in Education or Bachelor of Science in Education:

FIRST 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
Philosophy 1	2	Health	2

SECOND YEAR

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
†N. M. Hist. and Civics	2	Social Science	3
**Foreign Language	3	**Foreign Language	3
Education 61	3	Education 62	3
Physical Education	1	Physical Education	1

THIRD YEAR

Education 123	2	Education 116 (Psychology)	3
Majors and Minors	13-15	Majors and minors	12-14

FOURTH YEAR

Three hours chosen from the following:	†Education 136	4
Education 183 (Psychology) 3	Majors and minors	11-13
Education 185 (Psychology) 3		
Education 101 or 102 3		
Majors and minors 12-14		

†Required only of those who expect to teach in New Mexico.

‡Prerequisites as shown in Courses in Departments of Instruction.

**For substitution, see Group Requirements for Graduation.

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:

FIRST 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
Philosophy 1	2	Health	2
Physical Education	1	Physical Education	1

SECOND YEAR

English	3	English	3
Psychology 51	3	Education 54 (Psychology)	3
Education 61	3	‡Education 64	4
N. M. History and Civics	2	Education 62	3
**Foreign Language	3	**Foreign Language	3
Physical Education	1	Physical Education	1

‡Prerequisite, a grade of C or better in Education 61.

**For substitution, see Group Requirements for Graduation.

CURRICULUM FOR STUDENTS PREPARING TO SUPERVISE PUBLIC SCHOOL MUSIC

The following courses are planned to prepare for the teaching and supervision of 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 leads to the degree of Bachelor of Arts in 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, voice or instrumental music.

Education 136 and 156, practice teaching, are required during both semesters of the senior year. This work will include practice and observation of music teaching and supervision in the elementary grades, junior and senior high school.

FIRST YEAR

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

SECOND YEAR

English	3	English	3
Foreign Language	3	Foreign Language	3
Psychology 51	3	Education 54 (Psychology)	3
Education 42	3	Laboratory Science	4
Music 51	2	Music 52	2
Music 61	2	Music 62	2
Physical Education	1	Physical Education	1

THIRD YEAR

Music 101	2	Music 102	2
Music 161	2	Music 162	2
Music 173	3	Music 174	3
Music 163	2	Music 164	2
Applied Music	4	Applied Music	4
*Education 101 or Education Electives	3	Education 102 or Education Electives	3
Ensemble Music	1	Ensemble Music	1

FOURTH YEAR

Music 179	2	Music 180	2
Music 177	2	Music 178	2
Education 174	3	Education 156	4
Education 136	4	Applied Music	4
Applied Music	4	Electives	4
Ensemble Music	1	Ensemble Music	1

*Education 101 or 102 is required.

The following music courses will satisfy the requirements for a minor in public school music: Music 1 and 2; Music 61 and 62; Music 161 and 162, or Music 163 and 164; Music 173 and 174; and applied music—piano, voice, violin, or pipe organ, 4 hours; ensemble music, 4 hours.

CURRICULA FOR STUDENTS PREPARING TO BE PHYSICAL DIRECTORS IN HIGH SCHOOLS

A. The following curriculum is outlined for men preparing to teach physical education. This curriculum leads to the degree of Bachelor of Science in Physical Education.

FIRST 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	Health	2
Social Science	3	Biology 2	4
Philosophy 1	2		

SECOND 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
Social Science	3	Biology 54	4
Electives	3-4	Electives	4

THIRD YEAR

Biology 93	4	Biology 190	4
Education 141	3	Education 153	3
Physical Education 161	2	Physical Education 102	2
Education 101 or 102	3	Electives	6-7
Electives	4-5		

FOURTH YEAR

Physical Education 101	2	Physical Education 162	2
Physical Education 135	2	Physical Education 136	2
Physical Education 167	3	Education 156	4
Physical Education 173	3	Physical Education 172	3
Electives	6-7	Physical Education 186	2
		Electives	3-4

B. The following minors in Physical Education have been outlined for men:

- I. Athletic Coaching; 25 credit hours. This minor is offered to qualify men to meet the demands of high schools and colleges for men to coach and supervise athletics in connection with the teaching of some academic subject. Practical work which is required, but given no academic credit, is to be arranged at the discretion of the Department according to the student's needs.

Physical Education 21	2	Physical Education 172	3
Physical Education 22	2	Biology 2	4
Physical Education 61	2	Biology 93	4
Physical Education 62	2	Biology 190	4
Physical Education 136	2	—	—
Total			25

- II. Formal Physical Education; 25 credit hours. This minor is intended to meet the needs of those students who wish to combine the teaching of physical education with their major subject.

Physical Education 21	2	Physical Education 172	3
Physical Education 101	2	Biology 2	4
Physical Education 102	2	Biology 93	4
Physical Education 135	2	Biology 190	4
Physical Education 161	2	—	—
Total			25

C. The following curriculum is outlined for women preparing to teach physical education. This curriculum leads to the degree of Bachelor of Science in Physical Education.

FIRST 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	Biology 2	4
Social Science	3	Health	2
Philosophy 1	2	Electives	3

SECOND 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
Social Science	3	Biology 54	4
Electives	4	Electives	3-4

THIRD YEAR

Biology 93	4	Biology 190	4
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	Physical Education 161	2
Electives	2	Home Economics 104	2
		Electives	2-3

FOURTH YEAR

Physical Education 155	3	Physical Education 156	3
Physical Education 157	4	Physical Education 172	3
Physical Education 167	3	Physical Education 166	3
Electives	6-7	Education 156	4
		Electives	3-4

For the requirements for a minor in Physical Education for Women, see Courses in Departments of Instruction.

CURRICULUM FOR STUDENTS PREPARING TO TEACH
HOME ECONOMICS

The following curriculum meets the major and minor requirements for students preparing to teach home economics in high schools, and leads to the degree of Bachelor of Science in Education.

FIRST YEAR

First Semester		Second Semester	
English 21	3	English 22	3
Education 31	2	Health	2
Chemistry 1	4	Chemistry 2	4
Art 15	3	Art 16	3
Philosophy 1	2	Home Economics 12	2
Home Economics 11	3	Home Economics 14	3
Physical Education 5	1	Physical Education 6	1

SECOND YEAR

Biology 11	4	Biology 54	4
Economics 43	3	Chemistry 68	3
Psychology 51	3	Psychology 54	3
Home Economics 53	3	Home Economics 54	3
Home Economics 61	3	Home Economics 62	3
Physical Education 55	1	Physical Education 56	1

THIRD YEAR

English 61 or 65	3	Electives in English	3
Education 141	3	Education 153	3
Home Economics 127	4	Home Economics 182	4
Physics 61	3	Biology 93	4
Electives	4	Electives	3

FOURTH YEAR

Electives in Education	3	Education 156	4
Home Economics 107	3	Home Economics 138	3
Home Economics 132	3	Home Economics 196	1
Home Economics 194	3	Electives	8
Electives	4		

CURRICULUM FOR ADMINISTRATORS AND SUPERVISORS

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

Educational Psychology	3 hours
History of Education	3 hours
Statistical Methods	3 hours
Mental Measurements	3 hours
Educational Measurements	3 hours
City School Administration	3 hours
State School Administration	3 hours
Supervision of Elementary Education	3 hours
New Mexico School Law	3 hours

THE GRADUATE SCHOOL

HISTORY AND ORGANIZATION

Graduate work at the University of New Mexico was in charge of the Committee on Graduate Study until 1919. The Graduate School was organized in that year. 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

Applicants may be admitted to the Graduate School as follows: (1) those holding a bachelor's degree from the University of New Mexico or from some other institution of approved standing; (2) those holding a bachelor's degree from an unapproved institution who present 120 semester hours of acceptable quality. Those who have satisfied all residence requirements but lack six hours or less of completing the bachelor's degree may be enrolled for enough work to complete their schedules.

Students are admitted to the Graduate School by the Dean, upon the presentation of a satisfactory transcript.

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

REGISTRATION AND ENROLMENT

The following regulations should be observed in registering and enrolling: (1) candidates for degrees will select

a major and a minor professor and consult them as to courses; (2) the number of hours will be limited to fifteen per semester; (3) enrolment for credits usually will not be accepted after Saturday of the second week; (4) those registering after Wednesday of the first week will pay the late registration fee of five dollars, unless excused by the Dean; (5) students not expecting to become candidates for the Master of Arts degree may enroll with the Dean for any work for which they are prepared.

AMOUNT AND DISTRIBUTION OF WORK. MAJORS AND MINORS

A major and a minor subject should be chosen by each candidate for the Master of Arts degree. The choice of the minor subject must be approved by the professor in charge of the major subject. Both the major and the minor may be taken in the same Department, provided they are in two separate and distinct fields of the Department.

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 section on 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 semester hours, this does not 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 submit a transcript of his undergraduate credits before the beginning of his first Summer Session.

Students expecting to finish their work for the Master of Arts degree in the Summer Session are required to participate in the commencement exercises of the preceding June. All the requirements for the degree must be completed before the first of the following January. In case these requirements are not completed by the date set, the previous approval of the faculty and of the Board of Regents becomes null and void, and the candidate will be required to participate in another commencement before the degree is conferred.

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 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 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. The 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 must be in the hands of this special committee at least ten days before the oral examination is taken.

The candidate must pass a final oral examination, 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.

GRADUATE FELLOWSHIPS

Four to six fellowships, each with a stipend of \$400, 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.

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. Odd-numbered courses are usually offered in the first semester, even-numbered courses in the second.

DEPARTMENT OF ARCHAEOLOGY AND ANTHROPOLOGY

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

*MAMIE R. E. TANQUIST, M.A., Assistant Professor

CLYDE KAY M. KLÜCKHOHN, B.A. (Oxon). Assistant Professor

REGINALD G. FISHER, M.A., Instructor

MARJORIE FERGUSON, M.A., Part-time Instructor

JOHN LINKINS, Student Assistant

MAJOR STUDY. Twenty-four hours in addition to Anthropology 1 and 2. Biology 2 or 11, Biology 98, and Geology 1 and 2 are also required. Students are advised to secure a reading knowledge of Spanish, and also, if possible, of French and German. Students preparing themselves for graduate work in physical anthropology are advised to take Biology 54, 55, 121, and 190; for those preparing for graduate or professional work in archaeology, Geology 51, 52, 109, and 111 are strongly recommended.

MINOR STUDY. Twelve hours or more in addition to Anthropology 1 and 2.

GRADUATE WORK. The undergraduate prerequisites for the Master of Arts degree with a major or minor in Archaeology and Anthropology consist of Anthropology 1 and 2, and Biology 2 or 11 and Biology 98 or their equivalents.

FACILITIES AND EQUIPMENT. The Southwest affords exceptional opportunities for the study of the sciences of man. Here may be seen, in type, the panorama of man-

*On leave of absence, 1932-1933.

kind. The kind of thing which built up the great civilizations of the Old World, which forms the outlines of all human history, is here in living actuality, past and present united in a single cultural expression. All the elements of a definite physiographic environment in relation to cultural evolution exist undisturbed and easily accessible. All the factors in culture history—industrial, esthetic, social, linguistic, religious—may be studied in clear survivals in Pueblo Indian villages. The essential problems of American archaeology may be investigated by the excavation of ruin mounds scattered over the Southwestern plateau, and by the study of surviving tribes. The collections and equipment of the School of American Research of the Archaeological Institute of America and the Museum of New Mexico are at the disposal of all students of the University of New Mexico for graduate work.

FIELD SESSIONS. The summer Field Sessions, in co-operation with the School of American Research of the Archaeological Institute of America, are a unique feature of this Department. For six weeks during the months of July and August, a class open to fifty undergraduates is held at Battleship Rock Camp, in the Jemez Mountains. Here students witness and participate in the excavations and carry a full program of lecture, seminar, and field laboratory work. A class of not to exceed twenty graduate and advanced undergraduate students meets for six weeks in Chaco Canyon for the excavation of ancient ruins, study of Southwestern archaeological problems and intensive instruction and training in field technique. By special arrangement with the director, a small number of students may remain at the camp an additional month to assist in excavations and pursue independent studies. A class of not to exceed twenty students goes to Mexico City for a summer session of six weeks. The class explores the historic and prehistoric ruins within working distance of Mexico City, witnesses whatever excavations may be in

progress, studies in the National Museum of Mexico, and pursues a seminar course for graduate and advanced undergraduate students. Graduate credit in Field Sessions is limited to one hour a week. Field classes are open to students who satisfy the undergraduate or graduate admission requirements of the University of New Mexico. (See Field Session Bulletin.)

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **General Anthropology.** Man's origin, antiquity, evolution, dispersion, variations, and present development. 3 credit hours.
2. **General Anthropology.** Development of man's arts, industries, social structure, language, beliefs, and ceremonies. 3 credit hours.
25. **Indian Art.** (Same as Art 25.) A study of the origin, development, and symbolism of the decorative art of the Pueblos and other Indian tribes from the earliest prehistoric times to the present. 2 credit hours.
41. **Elementary Sociology.** Population and society; conditions of socialization; social classes; basic facts of social organization; early history of society; conditions of social progress. 3 credit hours.
52. **Ancient Civilizations of the New World.** Mexico, Central America, West Indies, Peru, and Bolivia. 2 credit hours.
62. **Archaeology of the Southwest.** The ancient communities of the Pueblo Plateau interpreted through study of the physiographic conditions, the ancient cultural remains, and the surviving Pueblo Indians. 3 credit hours.
63. **Museum Technique.** Practical work in pottery mending and restoration; treatment of specimens. 2 credit hours.
75. **Archaeology-Ethnology.** Field course in Jemez Canyon. For Lower Division students, and for other undergraduates not previously at Jemez. Prerequisite: sophomore standing. 4-6 credit hours.
81. **Ethnology of the Southwest.** 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.

COURSES IN DEPARTMENTS OF INSTRUCTION [111

- 82. **Social Anthropology.** Primitive society; social organization, religion, law; a study of certain types and areas. Prerequisite: Anthropology 2. 3 credit hours.
- 92. **Racial and Social Problems in New Mexico.** 2 credit hours.
- 93. **Practical Problems in American Archaeology.** Guided investigation by the student in various practical problems. 3 credit hours.
- 95. **Oriental Archaeology.** Ancient civilizations of Egypt, Mesopotamia, and the Indus valley. Given in the first semester of odd-numbered years. 2 credit hours.
- 97. **Classical Archaeology.** The principal archaeological sites in Greece and the Aegean region. Development of Greek sculpture. Roman sculpture. Given in the first semester of even-numbered years. 2 credit hours.
- 100. **Cartography.** For students majoring in Archaeology or expecting to work in the field classes, as a preparation for making maps and plans for field reports and as a basis for archaeological surveys. 1 credit hour.

FOR JUNIORS, SENIORS, AND GRADUATES

- 101. **Culture Growth.** The nature of culture, contemporary society as a culture phenomenon, methods of inferring culture development, diffusion, independent origin, assimilation of culture traits, the criteria of culture growth. Prerequisite: Anthropology 2. 3 credit hours.
- 102. **Prehistory.** Early types of man. Development as shown in physical and cultural remains. Dispersion; factors that have determined the major lines of migration. Elements of human geography. Prerequisite: Anthropology 1. 3 credit hours.
- 104. **Physical Anthropology.** The comparative study of the anatomical and other physical characters of living and fossil man. Practical work in the identification of human bones and of bones of mammals common in the Southwest. Elements of anthropometry. Elements of mathematical treatment of data. One lecture and two two-hour laboratory periods per week. Prerequisite: Anthropology 1. 3 credit hours. Fee \$2.00.
- 125. **History of the Southwest: the Spanish Period.** (Same as History 125.) 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. Prerequisite: Anthropology 41. 3 credit hours.
151. **Problems.** Individual investigation in archaeology or anthropology for properly qualified Upper Division students. 1-4 credit hours.
160. **Archaeology of Middle America.** The Toltec, Aztec, Maya, and related cultures of Mexico and Central America, and of the Inca and pre-Inca civilizations of Peru and Bolivia. 3 credit hours.
175. **Advanced Field Course at Jemez.** For graduate students and for Upper Division students with previous experience at Jemez. 4-6 credit hours.
180. **Sociology Seminar.** Interpretation of social phenomena from direct study of primitive types, as illustrated by the Pueblo Indian communities, to the complex orders of modern civilization. Prerequisite: Basic work to the satisfaction of the instructor. 3 credit hours.
182. **American Archaeology: Research course.** Study 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. Prerequisites: Anthropology 1 and Archaeology 62. 2-4 credit hours.
195. **Advanced Research in American Archaeology.** Summer Field Course in Mexico. Prerequisites: Anthropology 1 and Archaeology 62. 3-6 credit hours.
199. **Advanced Research in American Archaeology and Ethnology.** Summer Field Course in Chaco Canyon. Prerequisites: Anthropology 1 and Archaeology 62. 4 credit hours.

FOR GRADUATES ONLY

251. **Problems.** 1-4 credit hours.
300. **Thesis.** 2-6 credit hours.

DEPARTMENT OF ART

DOROTHEA FRICKE, B.A.E., Instructor

KENNETH CHAPMAN, Part-time Instructor in Indian Art

IRVING B. PARSONS, B.Arch., Part-time Instructor in Architecture

*RALPH W. DOUGLASS, B.A., Part-time Instructor in Art

CLARE DIEMAN, Part-time Instructor in Sculpture

NILS HOGNER, Part-time Instructor in Art

MAJOR STUDY. Art 15, 16, 55, 56, and 20 additional hours.

MINOR STUDY. Art 15, 16, and 15 additional hours.

TEACHERS' COURSE. Students who wish to major in Art and teach Art in public schools should take courses 15, 16, 25, 52, 53, 54, 55, 56, 91, 92, 97, 133, 134, 141, and 142. A minor for such students should include courses 15 and 16, and 15 additional hours selected from the foregoing list.

CREDIT. One credit hour represents three hours of studio work per week, or a corresponding amount of outside work.

SCHOOL OF PAINTING AT TAOS. From June 19 to July 29, 1933, 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. 5 credit hours.

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 the Registrar, University of New Mexico.

INDIAN ART COURSE AT SANTA FE. From July 31 to August 26, 1933, Kenneth Chapman will conduct a course in Indian Art at the Laboratory of Anthropology at Santa Fe. The course will consist of daily lectures and research work in Indian design from the large Indian Arts Fund collection which is housed in the Laboratory of Anthropology. 3 credit hours.

*On leave of absence first semester, 1932-1933.

Application for membership in this class and a deposit of \$5.00 should be made before July 15. For further information see circular, or address the Registrar, University of New Mexico.

FEES. Special fees are charged as follows:

Courses 25 and 125, \$5.00 per semester.

Courses 15, 16, 27, 28, 55, 56, 57, 58, 63, 64, 71, 72, 83, 91, 92, 97, 127, 128, 133, 134, 155, 156, 163, 164, 167, 168, 171, 172, and 191, \$2.00 per credit hour.

Courses 66, 85, 86, 115, 116, 161, 162, 185 and 186, \$10.00 per semester.

School of Painting at Taos, \$35.00 for resident students; \$45.00 for non-residents; \$5.00 additional for matriculation at the University of New Mexico.

Indian Art Course at Santa Fe, \$15.00 for resident students; \$20.00 for non-residents; \$5.00 additional for matriculation at the University of New Mexico.

MISCELLANEOUS. Students must furnish their own materials, except certain studio equipment provided by the University. All work when completed is under 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.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

15. **Art Structure.** A study of the principles of composition, design and color to develop the power of appreciation and the ability to create good design. 3 credit hours.
16. **Art Structure.** Practical application of the fundamental principles of perspective and of composition to drawing and design. 3 credit hours.
25. **Indian Art.** A study of the origin, development, and symbolism of the decorative art of the Pueblos and other tribes from the earliest prehistoric times to the present. 2 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION [115

- 27-28. **Architectural Design.** Problems involving the use of architectural elements, exercises in architectural composition and rendering, and problems in the elementary design of the small ensemble and of architectural motifs. 3 credit hours each semester.
- 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, Medieval, 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 posed models. 3 credit hours each semester.
- 57-58. **Architectural Design.** Continuation of 27-28. 3 credit hours each semester.
- 63-64. **Water Color Painting.** Water color work from imagination, still life, landscape and figure subjects. Prerequisite: Art 16. 3 credit hours each semester.
- 66. **Block Printing.** Design, cutting, and printing of linoleum blocks. (May be taken twice.) Prerequisite: Art 16. 2 credit hours.
- 71-72. **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. Prerequisite: Art 16. 3 credit hours each semester.
- 83. **Lettering.** A course intended to develop facility and grace in the common forms of artistic and commercial lettering. 1 credit hour.
- 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. (Formerly Art 95.) **Methods of Teaching Art.** Includes drawing and methods for grades one to four. 3 credit hours.
- 92. (Formerly Art 95.) **Methods of Teaching Art.** Includes drawing and methods for grades five to eight. 3 credit hours.
- 96. **Interpretation of Modern Art.** Lecture course based on the modern spirit of art as expressed through sculpture and

various other related art media. Digests of authoritative critics. The fundamental principles underlying all arts are set forth. 2 credit hours.

97. **Clay Modeling.** This course is designed to meet the needs of the elementary teacher. It includes the fundamental principles of clay modeling, embracing both modeling and lecture work. 3 credit hours.
98. **Taos School of Painting.** For beginning students of painting. Maximum 5 credit hours. See special bulletin.

FOR JUNIORS AND SENIORS

- 115-116. **Landscape and Still Life Painting.** Oil work from still-life and landscape subjects. Prerequisites: Art 16 and 56. (This course may be taken twice.) 3 credit hours each semester.
125. **Indian Art.** Prerequisite: Art 25. 2 credit hours.
- 127-128. **Architectural Design.** Continuation of 57-58. 3-6 credit hours each semester.
- 133-134. (Formerly Art 62.) **Applied Design.** Study of design and its practical application to stenciling, decorative leather, batik, and basketry. Prerequisite: Art 15. 3 credit hours each semester.
141. **History of Painting.** Study of the work of principal painters of various countries. 2 credit hours.
142. **History of American Arts.** Study of the work of the principal American artists and craftsmen from the earliest to the present time. 2 credit hours.
148. **Taos School of Painting.** For advanced students of painting. Maximum 5 credit hours. See special bulletin.
- 155-156. **Life and Head Life Drawing.** Continuation of 55-56. Prerequisite: Art 56. 3 credit hours each semester.
- 161-162. **Portrait Painting.** Prerequisite: Art 56. (This course may be taken three times.) 1 credit hour each semester.
- 163-164. **Water Color Painting.** Continuation of 63-64. Prerequisite: Art 64. 3 credit hours each semester.
167. (Formerly Art 67.) **Costume Design.** A study of historic dress and of the principles underlying the designing of costume. Problems in selecting and designing. Prerequisites: Art 15, and 55 and 56 if possible. 3 credit hours.

168. (Formerly Art 68.) **Interior Decoration.** Principles and practice of interior decoration. Drafting and making interior sketches in color. Prerequisites: Art 15 and 16. 3 credit hours.
- 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. Criticism and progress are individual. Prerequisites: Art 71 and 72. 2 or 3 credit hours each semester.
- 185-186. **Sculpture.** Continuation of 85-86. 3 credit hours each semester.
191. **Seminar.** Special problems for advanced students. 2 or 3 credit hours.

DEPARTMENT OF BIOLOGY

EDWARD FRANKLIN CASTETTER, Ph.D., Professor
 FRED W. ALLEN, M.A., Assistant Professor
 WILLIS H. BELL, Ph.D., Assistant Professor
 RALPH F. ROE, B.A., Graduate Fellow
 STANLEY BROOKS, B.A., Student Assistant

The Department of Biology offers instruction in many lines of scientific endeavor pertaining to plant and animal life. The work is organized with four purposes: to provide cultural training for students majoring in Liberal Arts subjects other than biology; to furnish pre-medical instruction; to provide foundational work for Home Economics and Physical Education majors; and for students whose major interest is biology. The training prepares students to teach biology and for research in various phases of the subject.

MAJOR STUDY. Thirty-two credit hours, including courses 1 and 2, or 11 and 12, and 98, 99, and 198. Chemistry 1 and 2 are strongly recommended.

MINOR STUDY. Twenty credit hours including courses 1 and 2, or 11 and 12, and 98, 99 and 198.

EQUIPMENT. The new Biology Building 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.

FIELD SESSION. The Field Session in biology, conducted during the month of August, affords excellent opportunity for instruction and research along lines to which the State is peculiarly adapted, embracing field biology, plant and animal ecology, systematic botany, and systematic zoology. For further information see Field Session Bulletin.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. (Formerly 5.) **General Biology.** A survey of the field of biology, emphasizing fundamental principles common to all living things. Phases of biology are considered which are of the 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.
2. (Formerly 6.) **General Biology.** This is a continuation of course 1. 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.
11. (Formerly 1.) **General Zoology.** For pre-medical students and Home Economics majors. Designed to acquaint the student with the fundamental structures, processes, and principles of animal life and provide training in laboratory methods. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
12. (Formerly 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.

31. **Principles of Plant Distribution.** A study of the plant formations of the world, and consideration of climatic conditions influencing the distribution of these formations. Two lectures per week. 2 credit hours.
36. **Human Physiology.** A lecture course especially designed to cover the more fundamental physiological activities of the human body. Three lectures per week. 3 credit hours.
41. **Survey of New Mexico Plant Life.** A course designed by lecture and demonstration to acquaint the general student with the plant life of the State. Two lectures per week. 2 credit hours.
52. **Ethnobiology.** A study of the plants and animals used by the Indians and Spanish-Americans of the Southwestern United States for food, drink, medicine, clothing, tanning and dyeing, ceremony, etc. Two lectures per week. 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 2 or 11, and Chemistry 1. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
55. **General Embryology.** A study of the changes which take place in the embryo from the time of fertilization until birth. Emphasis on human development. Prerequisites: Biology 2 or 11, and 54. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
58. **General Entomology.** A study of insects with reference to structure, habits, life history, and classification. Prerequisite: Biology 2 or 11. Two lectures and two laboratory or field periods per week. 4 credit hours. Fee \$2.00.
63. **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 1 or 12. Two lectures and two laboratory or field periods per week. 4 credit hours. Fee \$1.00. This course also is offered at the Jemez Field Session for 5 hours credit. See Field Session Bulletin.
64. **Plant Physiology.** A study of the plant processes, growth, photosynthesis, translocation, storage, digestion, respiration, assimilation, and reproduction. Prerequisite: Biology 1 or

12. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
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: four hours of elementary biology and chemistry 1. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
98. (Formerly 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. Three lectures per week. 3 credit hours.
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. Prerequisite: Biology 98. Two lectures per week. 2 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

112. (Formerly 111.) **Medical Zoology.** A study of animals that cause disease in man, their life histories, diagnoses, clinical symptoms, and prevention. Prerequisites: Biology 2 or 11, and 54. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
114. (Formerly 123.) **Animal Histology.** A microscopic study of animal tissues and organs. Prerequisite: Biology 55. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$6.00.
121. (Formerly 122.) **Comparative Vertebrate Anatomy.** A study of representative vertebrates from a comparative point of view. Prerequisites: Biology 54 and 55. Two lectures and two laboratory periods per week. 5 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 laboratory periods per week. 4 credit hours. Fee \$6.00.
134. (Formerly 133.) **Sanitary Bacteriology.** A course for engineers. A complete bacteriological analysis of water; also a study of sewage disposal, water purification, and drain-

COURSES IN DEPARTMENTS OF INSTRUCTION [121

age 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 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: registration for this course by permission only. 3 credit hours. Fee arranged.
163. **Research in Botany.** Field course at Jemez. 5 credit hours. See Field Session Bulletin.
171. **Physiographic Ecology.** Distribution of plants in relation to topographic and climatic factors. Prerequisites: Biology 63 and 64. Two lectures and one four-hour laboratory period per week. 4 credit hours. Fee \$2.00.
174. (Formerly 154.) **Plant Anatomy.** Detailed consideration of cells and tissues of root, stem, leaf, and reproductive structures of higher plants. Prerequisite: Biology 1 or 12. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$4.00.
190. (Formerly 112.) **Human Anatomy and Kinesiology.** A study of the gross anatomy of the human body. Emphasis will be placed upon the arrangement, function, and behavior of the muscles. Prerequisite: registration for this course by permission only. Two lectures and two laboratory periods per week. 4 credit hours. Fee \$8.00.
191. **Laboratory Methods.** Practice in hospital laboratory technique. Prerequisites: Biology 54, 93, 112 and 132. Three laboratory periods per week. 3 credit hours.
198. **Fundamental Concepts of Biology.** A consideration of the trend of scientific thought and method from the time of the early Egyptians and Babylonians to the present. Special emphasis on the philosophic aspects of biology. Prerequisites: 15 hours of biology, including courses 98 and 99. 3 credit hours.
- 199a, b (Formerly 146.) **Problems.** Individual investigation in zoology or botany for properly qualified upperclassmen. Prerequisite: registration for this course by permission only. 3 credit hours. Fee arranged.

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. 3 credit hours.
- 251a, b Problems. 3 credit hours. Fee arranged.
- 261a, b Research in Botany. 3 credit hours. Fee arranged.
- 271a, b Research in Zoology. 3 credit hours. Fee arranged.
- 281a, b Research in Bacteriology. 3 credit hours. Fee arranged.
- 300a, b Thesis. 2-6 credit hours. Fee arranged.

BUSINESS ADMINISTRATION

See Economics and Business Administration.

DEPARTMENT OF CHEMISTRY

JOHN D. CLARK, Ph.D., Professor
VEON C. KEICH, Ph.D., Assistant Professor
S. B. LIPPINCOTT, M.S., Instructor
LEROY GIBSON, Student Assistant
HILLARD SMITH, Stockroom Assistant
JOHN PILCHER, Stockroom Assistant

MAJOR STUDY. Courses 1, 2, 51, or the equivalent, and twenty-four additional hours, including course 52 or its equivalent; except that, in the discretion of the professor in charge of the Department, credits in excess of eight hours in courses 1, 2, and 51 may be counted among the twenty-four additional hours.

MINOR STUDY. Twelve hours above courses 1 and 2, including 51 and 52.

EQUIPMENT. The Department of Chemistry is housed in the Chemistry Building, a thoroughly fireproof and strictly modern structure. It is equipped to accommodate 240 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, apparatus room, and a large recitation room make up the remainder of the building devoted to chemistry. Work benches equipped with gas and water are in the patio, 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. 3 credit hours.
- 1a,b,c,d. **Inorganic Laboratory.** One period per week. 1 credit hour. Fee \$3.00.
2. **Inorganic Chemistry.** Course 2 is a continuation of 1. Prerequisite: Chemistry 1. 3 credit hours.
- 2a,b,c,d. **Inorganic Laboratory.** One period per week. 1 credit hour. Fee \$3.00.
4. **Survey of Chemistry.** Lectures, demonstrations, and inspections designed to acquaint the student with the services of chemistry to mankind. This course is not intended to be a substitute for Chemistry 1, which is required of those who pursue any scientific work beyond beginning courses, but is valuable for those whose major courses are not to be in scientific fields. 3 credit hours. Fee \$1.00. Given in spring semesters.
5. **Survey of Chemistry.** A continuation of Chemistry 4. 3 credit hours. Given in fall semesters.
51. **Qualitative Analysis.** Laboratory practice with lectures and recitations on the theory of the work. Two laboratory periods and three lectures per week. Prerequisites: Chemistry 1 and 2. 5 credit hours. Fee \$6.00.
52. **Quantitative Analysis.** Prerequisite: Chemistry 51. Laboratory ten hours per week. 3-5 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. Prerequisites: 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 six hours per week. 3 credit hours. Fee \$3.00 per credit hour.
65. **Organic Synthesis.** A continuation of Chemistry 62. For chemistry majors. Laboratory work four hours per week. 2 credit hours. Fee \$6.00.
68. **Household Chemistry.** Laboratory work and lectures on such topics as carbohydrates, fats, protein, milk, blood, urine, etc. Prerequisites: Chemistry 1 and 2. 3 credit hours. Fee \$6.00 plus \$1.25 for syllabus.

FOR JUNIORS SENIORS AND GRADUATES

- 101-102. **Quantitative Analysis.** Continuation of Chemistry 52. Laboratory ten hours per week. 3-5 credit hours each semester. Fee \$3.00 per credit hour.
105. **Quantitative Biochemical Methods.** Laboratory practice in colorimetry and micro-methods of analysis. Prerequisites: Chemistry 52, 61, and 101. 3 credit hours. Fee \$3.00 per credit hour.
110. **Physical Chemistry.** This work consists of advanced study of chemical theory. Prerequisites: Chemistry 1, 2, 51, and 52. 4 credit hours.
- 110A **Physical Chemistry Laboratory.** One period per week. 1 credit hour. Fee \$3.00.
112. **Industrial Chemistry.** This course consists of lectures on chemical manufacture. Prerequisites: Chemistry 1, 2, and 51. 2 credit hours.
113. **Metallurgy.** This course consists of lectures describing the process employed in the smelting of iron, lead, copper, zinc, silver, gold, etc. Prerequisites: Chemistry 1, 2, 51, and 112. 2 credit hours.
- 151-152. **Quantitative Analysis.** Continuation of 102. Stress is laid on the use of instruments of analytical chemistry. Labor-

COURSES IN DEPARTMENTS OF INSTRUCTION [125

atory ten hours per week. 3-5 credit hours each semester.
Fee \$3.00 per credit hour.

160. **Chemistry Seminar.** 1 or more hours.

FOR GRADUATES

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

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

VERNON G. SORRELL, Ph.D., Professor
TOM L. POPEJOY, M.A., Assistant Professor
WALTER B. MCFARLAND, M.B.A., Instructor
JOHN FREIDE, Student Assistant

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

MAJOR STUDY. Courses 51-52, and twenty-four additional hours, including course 160, and exclusive of courses 30 and 43.

MINOR STUDY. Courses 51-52, and twelve additional hours, exclusive of courses 30 and 43.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

30. **Economic History of the United States.** A review of the development of the 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 per 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 51-52. 3 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

102. **Cost Accounting.** An introductory course to the general problem of cost allocation for the determination of the unit cost of the products, and the operating costs of the divisions within the factory organization. Prerequisites: Economics 51-52, 53-54. 3 credit hours.
- 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 Finance.** (Same as Mathematics 106.) Given by the Mathematics Department, but accepted toward the major in Economics and Business Administration. Prerequisite: Mathematics 15. 3 credit hours.
109. **Statistics.** The collection, arrangement, and interpretation of statistical material relating to business operations. Prerequisites: Economics 51-52, and college or high school algebra. 3 credit hours.
110. **Corporation Finance.** The financial organization and policies of the modern corporation. Prerequisite: Economics 51-52. 3 credit hours.
111. **Money and Banking.** A study of money, banking, and foreign exchange, with special reference to the organization and operation of the Federal Reserve System. Some attention is given to foreign banking systems. Prerequisite: Economics 51-52. 3 credit hours.
141. **Labor Problems.** The position of the laborer in modern society. Trade unionism and collective bargaining. Labor

COURSES IN DEPARTMENTS OF INSTRUCTION [127

- law and labor legislation. Prerequisite: Economics 51-52. 3 credit hours.
152. **Public Finance.** The theory and practice of taxation, governmental borrowing, financial administration, and public expenditures. Prerequisite: Economics 51-52. 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 majors in the Department. Prerequisites: Economics 51-52, and permission of the instructor. 3 credit hours.
190. **Problems in Recent American History.** (Same as History 190.) Given by the History Department but accepted toward the major in Economics and Business Administration. Economics majors taking this course are expected to deal with recent economic problems. Prerequisite: Economics 51-52, or History 52. 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.** 2-6 credit hours.

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., Professor
JOHN W. DIEFENDORF, PH.D., Professor
JOHN E. SEYFRIED, PH.D., Associate Professor
JAMES T. REID, M.A., Assistant Professor
RICHARD M. PAGE, M.A., Assistant Professor

High school and elementary teachers should select a major and minor study outside 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. **Introduction to Education.** An introduction to the various fields of education. 2 credit hours.
55. **Educational Classics.** An examination of the writings of great thinkers from early Grecian times to the present, with respect to education. 2 credit hours.
73. **Vocational Education.** A study of the National Vocational Education or 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.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

101. **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. Study of text and sources, with discussions. 3 credit hours.
102. **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. **Educational Sociology.** A practical treatment of the sociological aspects of school problems. 3 credit hours.
112. **Current Educational Problems.** A seminar type study and discussion of current problems in education. More than one semester's work is recorded as 112b, 112c, etc. 2 credit hours each semester.
115. **Educational and Vocational Guidance.** A course in the principles, methods, and literature of educational and vocational guidance. 3 credit hours.

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174. **Philosophy of Education.** A course dealing with the major movements in the development of our educational system. Emphasis is placed on the sociological and philosophical aspects of each, and the aims of education characteristic of each period. 3 credit hours.

FOR GRADUATES ONLY

See courses 251 and 300 in the several Departments.

DEPARTMENT OF ELEMENTARY EDUCATION

FOR FRESHMEN AND SOPHOMORES

21. **Supervision of Elementary Education.** Planned for visiting teachers at San Jose Training School. 3 credit hours.
42. **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. **Supervision of Elementary Education I.** The teaching of reading in the first three grades. 3 credit hours.
62. **Supervision of Elementary Education II.** A continuation of Education 61, dealing with methods of teaching history, geography, and arithmetic. 3 credit hours.
- 64a. **Practice Teaching in Elementary Grades.** Observation of methods and actual classroom teaching experience under supervision. Prerequisites: Education 61, and enrolment in Education 62. 4 credit hours.
- 64b. **Practice Teaching in Elementary Grades.** Open only to visiting teachers at San Jose Training School. 3 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). 2 credit hours.
123. **Supervision of Elementary Education III.** Teaching of reading in the fourth, fifth, and sixth grades. Methods of teaching. Diagnosis and remedial work. Prerequisite: Education

61. 2 credit hours. (This course replaces Education 63, formerly required in the Elementary curriculum.)
132. **Supervision of the Social Sciences.** A course dealing primarily with the method involved in the teaching of history and geography. 2 credit hours.
135. **Supervision of Arithmetic.** The construction of units of drill work, analysis of textbooks, remedial work, etc. 2 credit hours.
136. **Practice Teaching in the Elementary Grades.** Prerequisites: Education 61, 62, 123, Psychology 116, and three hours chosen from Education 101, 102, Psychology 183, 185, or 186. For practice teaching in Public School Music, the student must satisfy the prerequisites stated in the curriculum. 4 credit hours.

FOR GRADUATES ONLY

251. **Problems.** 2-3 credit hours.
300. **Thesis.** 2-6 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 school. 3 credit hours.
144. **The Junior High School.** Lectures, outside readings and reports, history of the junior high school movement, 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 school. 3 credit hours.
153. **High School Methods.** The relationship of problems and principles of education to the principles of teaching in sec-

COURSES IN DEPARTMENTS OF INSTRUCTION [131

ondary schools. Prerequisite: Psychology (Education) 54. 3 credit hours.

- 156. **Practice Teaching in High Schools.** Open to seniors who have had 153, and recommended for all students preparing for high school teaching. The course consists of observation of methods, and classroom teaching experience under supervision. 4 credit hours.
- 158. **High School Supervision.** 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. **Problems.** 2 or 3 credit hours.
- 300. **Thesis.** 2-6 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. 3 credit hours.
- 163. **State School Administration.** The organization and administration of state school systems. The course includes the study of such topics as federal and state policy, forms of control. 3 credit hours.
- 164. **City School Administration.** A study of educational, financial, and administrative principles underlying the administration of school systems in cities. 3 credit hours.
- 166. **The Principal and His School.** Organization and administration of a single school; organization and supervision of in-

struction as applied to the elementary school principal, the junior high school principal, and the high school principal. 3 credit hours.

168. **Public School Finance in the United States.** Methods of financing public education in the United States, with special attention to New Mexico. Budgets, records, reports, etc., are considered. 3 credit hours.
171. **Problems of the Teaching Profession.** A study of the principles of educational administration and organization as applied to the duties and responsibilities of the classroom teacher. 3 credit hours.
- 176a,b **Research Methods in Education.** A foundation course. 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. The course is given twice only. 3 credit hours each semester.
178. **Seminar in Educational Administration.** Limited to advanced undergraduate and graduate students whose interest is educational administration. Topics chosen according to the interest of the students enrolled. Admission on consultation with the instructor. More than one semester of work is recorded as 178a, 178b, etc. 2 credit hours each semester.

FOR GRADUATES ONLY

251. **Problems.** 2 or 3 credit hours.
300. **Thesis.** 2-6 credit hours.

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

PRIMARILY FOR SOPHOMORES

51. **General Psychology.** An introductory course. Two lectures and one class experiment per week. 3 credit hours. Fee \$1.00.
54. **Educational Psychology.** An introductory course emphasizing heredity, individual differences, and learning. Prerequisite: Psychology 51. 3 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

116. **Statistical Method.** An introduction to the study of statistical methods as related to psychology and education. Prereq-

COURSES IN DEPARTMENTS OF INSTRUCTION [133

- uisite: Psychology 51. 3 credit hours.
183. **Educational Psychology.** A study of learning, with some attention to the laws of heredity and individual differences. Prerequisites: Psychology 51 and 52 or 54. 3 credit hours.
185. **Mental Measurements.** Practice in the administration of individual and group tests: the origin and history of the testing movement; and interpretation of results. Prerequisites: Psychology 51 and 116. 3 credit hours. Fee \$1.00.
186. **Educational Measurements.** Practice in the administration of educational tests in elementary and secondary school subjects, interpretation of results, and improving instruction through the use of tests. Prerequisites: Psychology 51 and 116. 3 credit hours. Fee \$1.00.
190. **Clinical Psychology.** Clinical practice in administering psychological tests; round table discussions of clinical cases from the public schools and other sources. Prerequisites: Psychology 103 and 185. 3 credit hours. Fee \$2.00.
192. **Statistical Method.** Correlation, regression, and linear relations; partial and multiple correlation; transmutation of scores; probable errors; coefficient of reliability and measurement of skewness. Prerequisites: Psychology 51 and 116. 3 credit hours.

FOR GRADUATES ONLY

251. **Problems.** 2 credit hours.
300. **Thesis.** 2-6 credit hours.

DEPARTMENTS OF ENGINEERING

MARSHALL E. FARRIS, M.S. in M.E., Professor
FRANCIS M. DENTON, F.C.G.I., Professor
J. H. DORROH, B.E., C.E., Professor
JOHN D. CLARK, PH.D., Professor
STUART A. NORTHROP, PH.D., Professor
ROBERT W. ELLIS, M.A., Professor
VEON KIECH, PH.D., Assistant Professor
R. J. MUNRO, B.S. in M.E., Instructor
CHESTER RUSSELL, B.S. in E.E., Instructor
WILLIAM C. WAGNER, B.S. in C.E., Instructor
EDWIN F. SMELLIE, M.S.E., Part-time Instructor

GENERAL COURSES IN ENGINEERING

See pages 80-86 for outline of curricula.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Engineering Drawing.** The essentials of drafting, including the use of instruments, lettering, projecting, sections, developments, isometric drawing, and working drawings. Approved drawing equipment required. One class hour and three laboratory hours per week. 2 credit hours each semester. Fee \$1.00 each semester.
51. **Descriptive Geometry.** A study of the theory and science of engineering drawing. Prerequisite: Engineering 2. One class hour, three laboratory hours per week. 2 credit hours. Fee \$1.00.
55. **Elementary Surveying.** Elementary course in plane surveying, including the theory and use of the chain, tape, compass, transit, and level. Prerequisite: Mathematics 16. One hour recitation, three hours laboratory, and three hours computation per week. 3 credit hours. Fee \$3.00.
58. **Engineering Lectures.** Readings and discussions regarding the profession of engineering and the various fields of engineering. Prerequisite: sophomore standing. 1 credit hour.
60. **Applied Mechanics.** General principle of statics. Stresses in simple framed structures. Friction. Center of gravity and moment of inertia. Corequisite: Mathematics 54. 3 credit hours.

DEPARTMENT OF CHEMICAL ENGINEERING

A description of the courses offered in chemical engineering will be found under the Department of Chemistry.

DEPARTMENT OF CIVIL ENGINEERING

103. **Advanced Surveying.** A study of topographic methods including the theory and use of the plane table, barometer, and sextant; and a study of hydrographic and aerial surveying, geodetic triangulation, and astronomical observations. Prerequisite: Engineering 55. Two hours recitation, three hours

COURSES IN DEPARTMENTS OF INSTRUCTION [135

laboratory, and three hours computation per week. 4 credit hours. Fee \$3.00.

104. (Formerly 101.) **Railroad Engineering.** The principles involved in the economic location of railroads and highways, including the theory and use of various curves, and earth-work computations. Prerequisite: Civil Engineering 103. Three hours recitation and three hours laboratory per week. 4 credit hours. Fee \$3.00.
108. **Strength of Materials.** The mechanics of materials. Theory of beams, columns, and shafts. Prerequisite: Mechanical Engineering 109. 3 credit hours.
110. **Hydraulics.** Elementary theory of hydraulics, including hydrostatics and hydrodynamics, with a brief discussion of water wheels, turbines, and pumps. Prerequisite: Mechanical Engineering 109. 2 credit hours.
112. **Strength of Materials Laboratory.** Testing the materials of construction, including timber, metal, masonry, and stone. Corequisite: Civil Engineering 108. One hour recitation and three hours laboratory per week. 2 credit hours. Fee \$3.00.
115. **Masonry.** The study of the nature of bricks, stone, lime, clay products, cement, gravel, and concrete. The methods of constructing foundations, culverts, and retaining walls. Prerequisite: junior standing. Two hours recitation and three hours laboratory per week. 3 credit hours. Fee \$3.00.
118. **Highway Engineering.** Location, construction, maintenance, cost, durability, and methods of financing all types of country roads and city pavements. The laboratory work includes the examination and physical testing of bituminous and non-bituminous road materials. Prerequisite: Engineering 55. Two hours recitation and three hours laboratory per week. 3 credit hours. Fee \$3.00.
157. **Field Surveying.** Summer camp, two weeks. Practice in topographic surveying. Complete surveys of the project are made and the notes used for mapping in the succeeding course. Prerequisite: Civil Engineering 103. 2 credit hours. Fee: see Field Session Bulletin.
159. **Stresses in Structure.** Elements of graphic and analytic statics. Determination of stresses in beams and in roof and bridge trusses. Prerequisite: Civil Engineering 108. Two hours recitation and three hours computation per week. 3 credit hours.

160. **Design of Structures.** The design and detail of timber, steel, and concrete beams, girders, and trusses under varied conditions of load. Prerequisite: Civil Engineering 159. Two hours recitation and three hours computations per week. 3 credit hours.
162. **Water Supplies.** A study of works for collection, storage, purification, and distribution of municipal water supplies. Prerequisite: Civil Engineering 110. 3 credit hours.
165. **Sewerage.** Instruction in the principles involved in the design and construction of sewers; the treatment and disposal of sewage by modern methods. Prerequisite: Civil Engineering 110. 2 credit hours.
166. **Municipal Design.** Laying out of an industrial town, including the street improvements, water supply, storm and sanitary sewer, together with the necessary plans, profiles, working drawings, specifications, and estimates of cost. Prerequisite: Civil Engineering 165. One hour recitation and six hours computation per week. 3 credit hours.
167. **Reinforced Concrete.** The principles of reinforced concrete; beams, slabs, and columns. The design of retaining walls, bridges, and buildings of this material. Prerequisite: Civil Engineering 108. Two hours recitation and three hours computation per week. 3 credit hours.
169. **Topographic Mapping.** A complete topographic map is made by each student from the notes taken during the summer Field Session. Prerequisite: Civil Engineering 157. Three hours computation per week. 1 credit hour.
170. **Contracts and Specifications.** The law governing engineering practice; contracts, specifications, and ethical relations. Prerequisite: senior standing. 2 credit hours.
173. **Hydraulics Laboratory.** A study of pumps, meters, orifices, weirs, loss of head in pipes, and flow of water in open channels and conduits. Prerequisite: Civil Engineering 110. Three hours laboratory per week. 1 credit hour. Fee \$3.00.
182. **Seminar.** Reports and discussions of engineering topics. Prerequisite: senior standing. 1 credit hour.

DEPARTMENT OF ELECTRICAL ENGINEERING

101. **Direct Current Machinery.** 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. 4 credit hours.
102. **Theory of Alternating Currents.** The theory of alternating currents and methods for the solution of problems in single-phase and polyphase systems. Wave form analysis and study of methods and apparatus used in A. C. measurements. Prerequisite: Electrical Engineering 101. 4 credit hours.
- 105-106. **Principles and Practice of Electrical Engineering.** 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 alternation current machinery, together with electrical engineering laboratory. Prerequisite: Physics 52 and Mathematics 54. Two hours recitation and three hours laboratory per week. 3 credit hours each semester. Fee \$3.00 each semester.
111. **Direct Current Machinery Laboratory.** Experimental work with direct current generators and motors. To accompany Electrical Engineering 101. Six laboratory hours. 2 credit hours. Fee \$6.00.
112. **Alternating Current Laboratory.** Experimental work on alternating current circuits and phenomena. To accompany Electrical Engineering 102. Six laboratory hours per week. 2 credit hours. Fee \$6.00.
114. **Direct Current Traction.** A brief but inclusive treatment of the mechanical and electrical problems of electric railways and their solution by the use of direct current. Prerequisites: Physics 52 and Electrical Engineering 111. 1 credit hour.
- 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, phase converters, and voltage regulators. Prerequisite: Electrical Engineering 102. 4 credit hours each semester.
- 155-156. **Alternating Current Machinery Laboratory.** Experimental work in the determination of the characteristics of alternat-

- ing current machinery. To accompany Electrical Engineering 151 and 152. Six laboratory hours per week. 2 credit hours each semester. Fee \$6.00 each semester.
161. **Design of Electrical Machinery.** Electrical design of direct and alternating current machinery. To accompany but not precede Electrical Engineering 151. Prerequisite: Electrical Engineering 102. One hour recitation and six hours laboratory per week. 3 credit hours.
162. **Design of Electrical Machinery.** Electrical design of direct and alternating current machinery. Prerequisite: Electrical Engineering 161. Two hours recitation and six hours laboratory per week. 4 credit hours.
193. **Communications.** A practical and mathematical treatment of the more important systems of communications, including submarine telegraphy, land telegraphy, telephony, and radio. The course includes a study of the use of hyperbolic functions. Prerequisite: Electrical Engineering 102. 3 credit hours.
196. **Transmission.** Solutions of power transmission problems; design of transmission systems, including transmission line construction and protection. Prerequisites: Electrical Engineering 151 and 193. 2 credit hours.
197. **Alternating Current Traction.** A course supplementing Electrical Engineering 114. Prerequisite: Electrical Engineering 114. 1 credit hour.
198. **Illumination.** Light and illumination treated theoretically and practically from the point of view of the electrical engineer. Prerequisites: Physics 52 and Electrical Engineering 112. 1 credit hour.
200. **Radio and Signalling.** The physical principles of radio-transmission and their application to telegraphy, telephony, television, and signalling. Prerequisites: Physics 52 and Electrical Engineering 112. 2 credit hours.

DEPARTMENT OF GEOLOGICAL ENGINEERING

A description of the courses offered in geological engineering will be found under the Department of Geology.

DEPARTMENT OF MECHANICAL ENGINEERING

101. **Heat-Power Engineering.** A general study of the elementary principles of heat-power engineering, and a study of heat equipment such as internal combustion engines and steam power equipment, with their auxiliaries. Prerequisites: Mathematics 54, Physics 52, and Chemistry 2. 3 credit hours.
102. **Thermodynamics.** Thermodynamic laws governing the action of steam engines and turbines, internal combustion engines, air compressors, and refrigerating machines. Also a study of the laws of gases, the flow of fluids, and the properties of air, steam, ammonia, and other heat media. Prerequisite: Mechanical Engineering 101. 3 credit hours.
103. **Heat-Power Laboratory.** Calibration of mechanical measuring instruments such as gauges, thermometers, planimeters, tachometer, scales, etc. Determination of the quality of steam and fuel, and gas analysis; and efficiency tests of simple engines. Intended primarily for mechanical and chemical engineers. Corequisite: Mechanical Engineering 101. Three hours laboratory and three hours computation per week. 2 credit hours. Fee \$3.00.
105. **Engineering Materials.** An elementary study of the characteristics of metals, alloys, wood, and concrete, and of the manufacture and heat treatment of iron and steel. Prerequisite: Chemistry 2. 3 credit hours.
107. **Mechanical Engineering Laboratory.** Calibration of mechanical measuring instruments such as gauges, thermometers, planimeters, etc., and efficiency tests of simple engines. For civil and electrical engineers. Corequisite: Mechanical Engineering 101. Three hours laboratory per week. 1 credit hour. Fee \$3.00.
109. (Formerly 106.) **Applied Mechanics (Dynamics).** A study of the principles of kinematics and kinetics. Prerequisite: Engineering 60. 3 credit hours.
114. **Mechanisms.** A study of the displacements, velocities and accelerations of such machine elements as links, cams, gears, chains, etc. Prerequisites: Engineering 51 and Physics 52. Two hours recitation and six hours laboratory per week. 4 credit hours.
- 151-152. **Mechanical Engineering Laboratory.** Tests of steam power equipment such as boilers, engines, turbines, fans, compressors, and pumps; and tests of internal combustion

engines and refrigerating equipment. Particular attention is given to the analysis of data and to the writing of reports. Prerequisite: Mechanical Engineering 102. Three hours laboratory and three hours computation per week. 2 credit hours each semester. Fee \$3.00 each semester.

153-154. **Machine Design.** A study of machine elements, with due regard to strength, proportion, and materials. Preparation of working drawings, bills of material, and cost estimates. Prerequisites: Mechanical Engineering 114 and Civil Engineering 108. Two hours recitation and three hours laboratory per week. 3 credit hours each semester.

155. **Power Plants.** A detailed study of the different types of power plants and their equipment. Economies of power plant location, design, and operation. Prerequisite: Mechanical Engineering 102. 4 credit hours.

156. **Engineering Economics.** The elements of economics as applied to the general operation and management of engineering projects. Prerequisite: senior standing. 3 credit hours.

157-158. **Seminar.** A study and discussion of current technical articles of interest to mechanical engineers. Prerequisite: senior standing. 1 credit hour each semester.

DEPARTMENT OF ENGLISH

GEORGE ST. CLAIR, PH.D., Professor

GEORGE POPE SHANNON, PH.D., Professor

THOMAS MATTHEWS PEARCE, PH.D., Associate Professor

ELSIE RUTH CHANT, M.A., Instructor

*TELFAIR HENDON, M.A., Instructor

JULIA MARY KELEHER, M.A., Instructor

PAUL WALTER, JR., B.A., Part-time Instructor in Journalism

FRANCES GILLMOR, M.A., Instructor

EDWIN SNAPP, B.A. in Educ., Graduate Fellow

GROUP REQUIREMENTS. Courses 21 and 22 and three hours to be elected from courses numbered above 50 are prescribed for students in Arts and Sciences, to meet the requirements of Group 1. Six hours above 21 and 22 are

*Died January 17, 1933.

required of students in Education. Courses 21, 22, and 65 are required of students in Engineering.

MAJOR STUDY. Twenty-four 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, 61 or 63; 88; 91; 151, 152, or 154; two courses chosen from 143, 177, 178, and 181; and 198. Twelve hours must be taken in courses numbered above 100. Seniors must pass a comprehensive final examination in English literature, language, and composition.

MINOR STUDY. In the College of Arts and Sciences, fifteen hours in courses numbered above 50; in the College of Education, eighteen hours.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

11. **Review English.** A rapid review of spelling, sentence structure, punctuation, and grammar. No college credit. (Required of all students who fail to pass the test prescribed on page 28, 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. Restricted to students who expect to make English their major or minor. 3 credit hours each semester.
55. **Public Speaking.** Juniors and seniors must make a grade of A or B and do additional work in order to earn 3 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.

59. **Interpretative Reading.** Practical training in dramatic and theater arts; the technique of acting, reciting, public speaking, and story telling; pantomime, voice culture, eurythmics; training in the recognition and expression of the dramatic in literature. Prerequisites: English 21 and 22. 2 credit hours.
61. **Advanced Composition.** Practice in the writing of exposition. Prerequisites: English 21 and 22. Restricted to English majors and minors. 3 credit hours.
63. **Advanced Composition.** Practice in narrative and descriptive writing. Prerequisites: English 21 and 22. 3 credit hours.
65. **Practical English.** Advanced exposition for students not majoring in English. 3 credit hours.
68. **Creative Writing.** A special course in advanced composition 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 61 or 63. 1 or 2 credit hours.
70. **Teaching of Literature in Secondary Schools.** Content is stressed, but methods are discussed. Prerequisites: English 21 and 22. 3 credit hours.
71. **The Earlier Essay.** A study of the development of the essay through the Victorian period, with readings from the most important essayists. Prerequisites: English 21 and 22. 3 credit hours.
72. **The Contemporary Essay.** From the 1890's to the present day. Prerequisites: English 21, 22, and 71. 3 credit hours.
82. **American Literature.** A general survey of the field down to 1900, with more intensive study of the great writers of the 19th Century. Prerequisites: English 21 and 22. 3 credit hours.
- 85-86. **Journalism.** History, theory and practice of journalism. Prerequisites: English 21 and 22. One hour lecture and two hours laboratory per week. 2 credit hours each semester. Fee \$2.00 each semester.
88. **Comparative Literature.** Lectures on literary monuments of Palestine, Greece, Rome, Medieval and Renaissance Europe, supplemented by reading of kindred and derived work in English literature. Prerequisites: English 21 and 22. 2 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION [143

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. **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 contemporaries, with special attention to their influence on Shakespeare's plays. Prerequisites: English 21, 22, and 53. 3 credit hours.
144. **Dante in Translation.** A study of Dante as the mirror of Medieval thought. Restricted to senior and graduate students. Prerequisites: English 21, 22, 53, and one advanced course in English. 2 credit hours.
145. **Spenser.** Most of Spenser's poetry will be read, with special emphasis upon this poet as an interpreter of the Renaissance spirit. 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, and 141 or 142 or 147. 2 credit hours.
151. **Chaucer.** A reading of Chaucer's chief literary works with an examination of his philosophy. Prerequisites: English 21, 22, and 53. 3 credit hours.

152. **Old English.** Prerequisites: English 21, 22, and 53. 3 credit hours.
154. **Middle English.** A general survey of the types of 14th Century literature. Prerequisites: English 21, 22, and 53. 3 credit hours.
156. **Medieval Literature.** A general introduction to medieval European literature, with special reference to important types, as romances, histories, lyrics, fabliaux, etc. This course is supplementary to courses 144, 151, 152, and 154. Prerequisite: English 53. 3 credit hours.
159. **English Prosody.** A survey of the systems employed in writing English verse. 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 fore-runners of romanticism in the 18th Century, and of the poetry and prose of the early 19th Century. Prerequisites: English 21, 22, and 53, and 54 or 177. 3 credit hours.
181. **The Victorian Period.** A careful study of the representative poets and prose writers from 1830 to 1890. Prerequisites: English 21, 22, 53, and 54. 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. **Marlowe.** A pro-seminar. Restricted to seniors and graduates. 2 credit hours.
191. **Ben Johnson.** A pro-seminar. Restricted to seniors and graduates. 2 credit hours.
195. **History of Criticism, Chiefly English.** Restricted to seniors and graduates. 1 credit hour.
198. **Review Seminar.** Senior English majors are required to take this course. 1 credit hour.

FOR GRADUATES ONLY

210. **Seminar in Contemporary Poetry.** 1 or 2 credit hours.
251. **Problems.** 2 or 3 credit hours.
300. **Thesis.** 2-6 credit hours.

DEPARTMENT OF GEOLOGY

STUART A. NORTHROP, PH.D., Professor

ROBERT WALPOLE ELLIS, M.A., Professor

MARY ELLIS HARDIN, Student Assistant

MAJOR STUDY. Twenty-four hours beyond course 1. Chemistry 1 and 2 are required. Chemistry 113 and Engineering 55 may be counted toward a major.

MINOR STUDY. Twelve hours beyond course 1.

EQUIPMENT. The Department of Geology is housed in the west end of Science Hall. There are three laboratories, one of which is equipped for blowpipe work in determinative mineralogy. There are large collections of minerals, rocks, and fossils, and a variety of topographic and geologic maps and folios. The University Library contains a fairly complete set of publications of the United States Geological Survey.

FIELD SESSION. The Field Session in geology, conducted during the month of August in Jemez Canyon, affords excellent opportunity for study in many branches of the science, such as petrology, paleontology, stratigraphy, and geomorphology. For further information see Field Session Bulletin.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **Physical Geology.** A general study of the materials composing the earth; the work of agencies, both external and internal, that modify the surface of the earth. 3 credit hours.
2. **Historical Geology.** The history of the earth and of life, dealing with the earth's place in the universe, its probable origin, and its changing features and climates, with the rise and succession of the various forms of life that have inhabited it. Prerequisite: Geology 1. 3 credit hours.
5. **Physical Geology Laboratory.** Laboratory exercises designed to familiarize the student with minerals, rocks, and topographic maps. In addition there are field excursions.

This course is required of all who intend to major or minor in Geology. Should accompany Geology 1. 1 credit hour. Fee \$1.00.

6. **Historical Geology Laboratory.** Exercises designed to familiarize the student with fossils and paleographic maps. Required of students who intend to major or minor in Geology. Should accompany Geology 2. 1 credit hour. Fee \$1.00.
51. **Mineralogy.** This course is basal to Geology 52 and should be followed by that course. It includes some study of crystals, the physical properties of minerals, and a critical study of seventy-five minerals. Prerequisite: elements of chemistry. 2 credit hours. Fee \$1.00.
52. **Determinative Mineralogy.** This is essentially a laboratory course. It is intended to give the student practice in the identification of minerals, both by their physical properties and by blowpipe methods. About 125 minerals will be determined and studied, so that they may be identified and described at sight. Prerequisite: Geology 51. 2 credit hours. Fee \$2.00.
53. **Meteorology.** The purpose of this course is to give the student a knowledge of the forces, the principles, and the laws underlying the various phenomena of weather. Prerequisite: some knowledge of physics is desirable. 2 credit hours.
54. **Geography of North America.** Different portions of North America are studied with attention to the ways each influences the activities of man therein; and with reference to the ways and means that man uses to subordinate natural conditions to his own desires. Prerequisites: benefits of the course will be greater if a course in physical geology precedes. 2 credit hours.
61. **Field Geology.** Course at Jemez. 5 credit hours. See Field Session Bulletin.

FOR JUNIORS, SENIORS, AND GRADUATES

101. **Economic Geology.** A study of the non-metallic materials of economic importance occurring in the earth—as coal, petroleum, clays, etc. How are they related to the geology of the region where they occur? What is their origin? etc. Prerequisites: Geology 2, 51, and 52. 3 credit hours.

102. **Economic Geology.** In a way similar to that indicated for Geology 101, ore deposits are studied. Prerequisites: Geology 2, 51, and 52. 3 credit hours.
103. **Engineering Geology.** This course, similar to Geology 1, is primarily for engineering students. A large part of the time is given to a study of minerals and rocks, and to the structural and physical features of the earth's crust. Laboratory work and some field work accompany the course. Prerequisites: elements of chemistry and physics. (May alternate with Geology 105). 4 credit hours. Fee \$1.00.
105. **New Mexico Geology.** The main geographic and geologic features of New Mexico. Prerequisites: Geology 2, 101, and 102. (May alternate with Geology 103.) 2-4 credit hours.
106. **Geologic Mapping.** The student is required to map the geology of a certain region, and to prepare a report embodying the main physiographic and geologic features of the area. Prerequisites: Geology 2 and Civil Engineering 55 and 56. 2 credit hours.
107. **Petrology.** The properties, geologic mode of occurrence, origin, and classification of rocks from the megascopic point of view. Thin sections and the microscope are used only incidentally. Lectures, assigned readings, and laboratory study. Prerequisites: Geology 2 and preferably some chemistry. 3 credit hours. Fee \$1.00.
108. **Structural Geology.** Rock structures and their modes of origin. Emphasis on architecture of mountain ranges. Lectures, assigned readings, and individual reports. Prerequisites: Geology 2 and 107. 3 credit hours.
109. **Stratigraphy.** A study of the principles of stratigraphy, followed by a survey of the stratified rocks of North America, their correlations, stratigraphic relations, and characteristic index fossils. Lectures, assigned readings, and laboratory work. Prerequisite: Geology 2. 4 credit hours.
110. **Stratigraphy.** A continuation of Geology 109. Credit not given for either semester separately. 4 credit hours.
111. **Paleontology.** A general survey of fossil plants, invertebrates, and vertebrates, involving a comparison of the anatomical structure of living and extinct types; classification, life habits, and geologic history. Stress laid upon the invertebrate index fossils. Lectures, assigned readings, and labor-

- atory work. Prerequisites: Geology 2 and some knowledge of biology. 4 credit hours. Fee \$1.00.
112. **Paleontology.** A continuation of Geology 111. Credit not given for either semester separately. 4 credit hours. Fee \$1.00.
113. **Engineering Geology Seminar.** Reading and discussion of recent literature in the field of geological engineering. 1 credit hour.
115. **Petroleum Geology.** Lectures and assigned readings dealing with the principles of oil and gas geology. Prerequisites: Geology 2, and preferably 107 and 108. 3 credit hours.
116. **Sedimentation.** Lectures, assigned readings, and seminar dealing with the principles of the deposition of sediments. Prerequisites: Geology 2, and preferably 107 and 108. 3 credit hours.
151. **Problems Seminar.** 2-4 credit hours.
161. **Field Geology: Advanced.** Course at Jemez. 5 credit hours. See Field Session Bulletin.
181. **Geomorphology.** Study of the origin, development, and classification of land forms. Lectures, assigned readings, and laboratory study in the interpretation of topographic maps. Prerequisites: Geology 2 and 108. 3 credit hours.
182. **Geomorphology of the United States.** Detailed study of the geomorphologic provinces of the United States, embracing a description and analysis of the topography of each region and a review of its geologic history. Stress is laid upon western United States. Lectures, assigned readings, and individual reports. Prerequisite: Geology 181. 3 credit hours.

FOR GRADUATES ONLY

251. **Problems.** 1-4 credit hours.
300. **Thesis.** 2-6 credit hours.

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.

MISCELLANEOUS. Courses 95 and 96 receive credit in the Department of English.

PRIMARILY FOR UNDERGRADUATES

1. Elementary Greek. The common forms, idioms, constructions, and grammatical principles of Attic Greek. 4 credit hours. (Not offered, 1933-1934.)
2. Elementary Reading Course. Xenophon: Anabasis. Books I-III, or the equivalent. 3 credit hours. (Not offered, 1933-1934.)
95. Greek Literature in English Translation. (Same as English 95.) No previous knowledge of Greek is required for admission to the course, the only prerequisite being two courses in English. 2 credit hours.
96. Greek Literature in English Translation. (Same as English 96.) The rise and development among the Greeks of epic and lyric poetry, history, oratory, philosophy, romance and literary criticism. Same prerequisite as for 95. 2 credit hours.

LATIN

GROUP REQUIREMENTS. Courses up to and including 92 may be counted toward fulfilling requirements of Group II.

MAJOR STUDY. At least twenty-four hours, exclusive of courses 3 and 4.

MINOR STUDY. Twelve to twenty-three hours, exclusive of courses 3 and 4.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 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: Two units of high school Latin. 3 credit hours each semester. (Not offered, 1933-1934.)
- 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*, selections from other prose writers, and Horace: *Odes* and *Epodes*. Prerequisite: three years of Latin. 3 credit hours each semester. (Not offered, 1933-1934.)
- 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. (Not offered, 1933-1934.)
- 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)

151. **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.
152. **Advanced Latin.** Apuleius and Petronius. A study of the development of the Roman novel and of plebeian Latin. Assigned readings. Prerequisite: Latin 151 or equivalent. 3 credit hours.
155. **Advanced Latin.** Selected readings from medieval Latin; studies of peculiarities of grammar and of style. Prerequisite: Same as for Latin 151. 3 credit hours.
156. **Advanced Latin.** Selections from Horace, Persius, and Juvenal. A study is made of Roman satire. Assigned readings. Prerequisite: Latin 151 or equivalent. 3 credit hours.
157. **Advanced Latin.** Catullus, Propertius, and Tibullus. A survey is made of classical lyric poetry. Prerequisite: Same as for Latin 151. 3 credit hours.
162. **Latin Grammar and Syntax.** Lectures and topics for investigation in the field of historical and comparative grammar and syntax. A reading knowledge of one or more modern foreign languages is expected of each registrant. 2 credit hours.

FOR GRADUATES ONLY

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

251. (Formerly 242.) **Seminar in Medieval Latin.** Original investigations in the fields of grammar, syntax, semantics,

COURSES IN DEPARTMENTS OF INSTRUCTION [151

dictionary making. Prerequisite: Latin 162 should precede or accompany this course. 2 credit hours.

300. Thesis. 2-6 credit hours.

DEPARTMENT OF HEALTH

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

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

MAJOR STUDY. None offered.

MINOR STUDY. None offered.

1. **Personal Health.** A consideration of the principles of healthful living, emphasizing mental and nervous hygiene, immunity and bacteriology in relationship to health, foods, and general care of the body. 2 credit hours.
2. **Community Health.** A consideration of community endeavor for the protection of the health of its citizens. 2 credit hours.
3. **Social Hygiene.** A consideration of the hygiene of sex life. 1 or 2 credit hours.
72. **Educational Hygiene.** (Same as Education 72.) A study of the common health defects and their causes, detection, and remedy. The teaching of health in the school. Primarily for prospective teachers. 2 credit hours.
105. **Epidemiology.** A study of the epidemic diseases, emphasizing epidemiological methods and discussing the various epidemic diseases. Prerequisites: Health 1 and 2. 2 or 3 credit hours.
106. **The Hygiene of Adult Life.** A consideration of the degenerative diseases of adulthood, with the principles of prevention. Prerequisites: Health 1 and 2. 2 credit hours.
107. **Health Statistics.** An elementary consideration of the principles and applications of health statistics. Prerequisites: Health 1 and 2. 1 or 2 credit hours.

108. **Journal Club.** Regular readings and reports of the leading authoritative health literature. Prerequisites: Health 1 and 2. 2 credit hours.
122. **Public Health Practice.** A field course given in conjunction with the Bernalillo County Health Department, illustrating the actual field methods and practices used by a county health department. Prerequisites: Health 1, 2, and 105. 1 or 2 credit hours.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

MARION DARGAN, PH.D., Associate Professor
JAMES FULTON ZIMMERMAN, PH.D., Professor
ARTHUR S. WHITE, J.D., Professor
LANSING B. BLOOM, M.A., Associate Professor
FRANK D. REEVE, M.A., Assistant Professor
BENJAMIN SACKS, M.A., Part-time Instructor
GORDON CLOUSER, Student Assistant in Political Science
HELEN H. ELLIS, Student Assistant in Political Science

HISTORY

GROUP REQUIREMENTS. Courses in history are accepted toward fulfillment of the requirement in Group III.

MAJOR STUDY. Thirty hours, including courses 21, 22, 51, 52, and at least fifteen hours in courses numbered above 100.

MINOR STUDY. Eighteen hours, including courses 21, 22, 51, 52, and six hours in courses numbered above 100.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 21-22. **Medieval and Modern History.** From the fall of Rome to the Peace of Westphalia (1648); and from the Peace of Westphalia to the present. For juniors and seniors, 2 credit hours each semester; for freshmen and sophomores, 3 credit hours each semester.
- 51-52. **History of the United States.** From the close of the Revolution to the Civil War; and from the Civil War to the present. 3 credit hours each semester.

COURSES IN DEPARTMENTS OF INSTRUCTION [153

- 61. **History of New Mexico.** 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. 2 credit hours.
- 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.
- 81. **History of Greece.** Emphasis is placed upon the achievements, movements, and ideas which constitute the debt of modern civilization to the Greeks. 3 credit hours.
- 82. **History of Rome.** Emphasis is placed upon those achievements, movements, and ideas which constitute the debt of modern civilization to the Romans. 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.
- 125. **History of the Southwest: the Spanish Period.** 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.
- 141. **The American Colonies, 1492-1763.** 3 credit hours.
- 142. **The American Revolution and the Constitution, 1763 to 1789.** 3 credit hours.
- 144. **American Thought and Culture, 1607-1932.** Prerequisites: History 51 and 52, or consent of the instructor. 3 credit hours.
- 151. **American Diplomacy.** See Political Science 151. 3 credit hours.
- 155. **The South in American History.** This is not a course in local history, but a study of the influence of one section in our national history. 3 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. Prerequisites: History 51 and 52. 3 credit hours.
171. **History of Latin America: the Colonial Period.** 3 credit hours. (Not offered 1933-34.)
172. **History of Latin America: the National Period.** 3 credit hours. (Not offered 1933-34.)
175. **The Middle Ages.** An advanced course dealing with all phases of medieval life. Prerequisite: History 21. 3 credit hours. (Not offered 1933-34.)
176. **The Renaissance and Reformation.** Prerequisites: History 21 and 22. 3 credit hours. (Not offered 1933-34.)
183. **Europe from 1789 to 1871.** An advanced course beginning with the French Revolution and Napoleon, and coming down to the formation of the German Empire. Prerequisite: History 22. 3 credit hours.
184. **Europe from 1871 to 1932.** An advanced course placing special emphasis on the origin of the World War and conditions since 1918. Prerequisite: History 22. 3 credit hours.
188. **History of England.** An advanced course dealing with some period or phase of the modern era. 2-4 credit hours.
190. **Problems in Recent American History.** A topical study of the period since the Civil War. Prerequisite: History 52 or Economics 51-52. 3 credit hours.
- 195-196. **Advanced Reading Course.** Open only to approved seniors and graduates. 1 to 3 credit hours each semester.
198. **Historical Method.** 3 credit hours.

FOR GRADUATES

251. **Problems.** 1-3 credit hours.
300. **Thesis.** 2-6 credit hours.

POLITICAL SCIENCE

The work in Political Science is designed to accomplish three major objectives. The first objective is the development of an intelligent interest in the problems and duties

of responsible citizenship by means of a critical and analytical study of the nature and function of all government, and by a study of the specific machinery and problems of our own government.

The second objective is to provide the student who may be interested in a career in the consular or diplomatic service with certain courses and information essential in meeting the civil service requirements.

The third objective is to provide the prospective law student with a training in methods of thought and study essential in the study of law, and with an understanding of the nature and function of the law in its relation to other governmental institutions and to organized society.

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

MAJOR STUDY. Students must complete thirty hours, including courses 1, 2, 51, and 52.

MINOR STUDY. Students must complete eighteen hours, including courses 1, 2, 51, and 52.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Introductory Course.** A preliminary study of 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. (Formerly 21 and 22.) **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.
61. **Nature and Sources of Law.** The origin, nature, and function of law as a social institution. Prerequisites: Political Science 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. (Formerly 102) **Political Parties.** The organization and function of political parties, with especial emphasis upon the nature of public opinion and the conditions producing political bosses and popular leaders. Prerequisites: Political Science 1 and 2. 3 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

104. **Principles of Citizenship.** The origin and nature of such 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.** The origin and nature of the problems involved in international relations. Prerequisites: History 22 and 52. 3 credit hours.
143. **International Law.** The origin, nature, and application of the rules of international law. Prerequisites: Political Science 1, 2, 51, and 52. 3 credit hours.
148. **International Organization.** 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. Prerequisite: Political Science 141 or 143. 3 credit hours.
151. **American Diplomacy.** Traditions and practices of the diplomacy of the United States as developed and indicated in outstanding international situations. Prerequisites: History 51 and 52. 3 credit hours.
154. **Latin American Diplomacy.** The diplomatic relations of the Latin American republics. Economic and imperialistic factors are given especial attention. Open to juniors, seniors, and graduates with approved prerequisites. 3 credit hours.
161. **Problems of Diplomacy.** 2 credit hours.
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.

COURSES IN DEPARTMENTS OF INSTRUCTION [157

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.
- 197-198. **Seminar.** Open to advanced students with approved qualifications. 2 to 4 credit hours.

FOR GRADUATES ONLY

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

DEPARTMENT OF HOME ECONOMICS

ELIZABETH P. SIMPSON, M.S., Professor
SUSAN MOSER, M.S., Instructor

GROUP REQUIREMENTS. Courses 53 and 54 are accepted toward fulfillment of the requirement in Group IV.

MAJOR STUDY IN THE COLLEGE OF ARTS AND SCIENCES. Courses 11, 12, 14, 53, 54, 61, 62, 107, 127, 132, 138, 182, and 196.

MAJOR STUDY IN THE COLLEGE OF EDUCATION. See curriculum for students preparing to teach home economics.

MINOR STUDY. Courses 11, 12, 14, and twelve hours in courses numbered above 50.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

11. **Clothing Selection.** Selection of clothing from the standpoint of artistic, economic, and hygienic standards. Open to students other than Home Economics majors. No prerequisite. Three 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: Home Economics 11. To be taken concurrently with course 14. Two 2-hour laboratory periods per week. 2 credit hours. Fee \$1.00.

14. **Textiles.** Construction, color, finish, and other factors that affect the wearing qualities and value of household materials. Open to students other than Home Economics majors. No prerequisites. Two lectures and one 2-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. One lecture and two 2-hour laboratory periods per week. 3 credit hours. Fee \$5.00.
54. **Food Selection and Preparation.** Continuation of course 53. Principles of cookery applied to problems in baking, salads, and desserts; six-week unit in preparation and serving meals. Prerequisite: Home Economics 53. One 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: Home Economics 12. One lecture and two 2-hour laboratory periods per week. 3 credit hours. Fee \$1.00.
62. **Dressmaking.** Continuation of course 61. Problems in silk. Studies of historic costume. One lecture and two 2-hour laboratory periods per week. 3 credit hours. Fee \$1.00.

FOR JUNIORS AND SENIORS

104. **Nutrition.** Primarily for Physical Education majors. The purpose is to teach the relation of nutrition to the health program. The essentials of an adequate diet and the nutritive properties of common foods; the choice of foods for types of individuals during different kinds of physical exercise; corrective diets, the selection and preparation of dietaries for outdoor life. Two hours per week. 2 credit hours.
107. **Advanced Foods.** Food economics. Household marketing; a study of grades and qualities of food products found on the market; factors governing cost; food laws; history of cookery. Prerequisites: Home Economics 54 and Chemistry 68. One lecture and two laboratory periods per week. 3 credit hours. Fee \$5.00.
127. **Dietetics.** Food requirements in normal nutrition. Calculation and preparation of dietaries. Prerequisite: Home Economics 107. 4 credit hours.

COURSES IN DEPARTMENTS OF INSTRUCTION [159

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.** The growth and development of the young child. 3 credit hours.
182. (Formerly 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: Home Economics 107 and 127. 4 credit hours. Fee \$5.00.
194. **Teachers' Course.** Principles underlying curriculum construction; methods of presentation; equipment and textbooks. 3 credit hours.
196. **Home Economics Seminar.** 1 or more 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. Offered both semesters.

DEPARTMENT OF MATHEMATICS

CARROLL V. NEWSOM, PH.D., Associate Professor

CHARLES A. BARNHART, M.A., Professor

MABEL S. GRAHAM, M.A., Part-time Instructor

ERNEST L. HARP, B.S., Graduate Fellow (Half-time)

CHARLES BARKER, Student Assistant

GROUP REQUIREMENTS. Students in the College of Arts and Sciences or the College of Education may elect Mathe-

matics 1, 11, 12, 15, or 16 toward fulfilling the requirements of Group IV.

MAJOR STUDY. Twenty-four hours in courses numbered above 50. Engineering 51, 55, and 60 may be counted toward a major.

MINOR STUDY. Twelve hours in courses numbered above 50.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **Solid Geometry.** Required of students who plan to register in calculus. Prerequisites: entrance algebra, 1 unit; plane geometry, 1 unit. 3 credit hours.
- 11-12. **General Mathematics.** Especially adapted to students who desire the mathematics preparatory to the study of social science. Recommended for students who want a general view of the field of mathematics in a short period of time. Prerequisites: entrance algebra, 1 unit; plane geometry, 1 unit. 3 credit hours each semester.
15. **College Algebra.** Prerequisites: entrance algebra, 1 unit; plane geometry, 1 unit. 3 credit hours.
16. **Plane Trigonometry.** Prerequisites: entrance algebra, 1 unit; plane geometry, 1 unit. 3 credit hours.
22. **Plane Analytic Geometry.** Prerequisites: college algebra and trigonometry. The trigonometry may be taken simultaneously. 3 credit hours.
53. **Differential Calculus.** Prerequisites: Mathematics 1 and 22, or 12 and 16. 4 credit hours.
54. **Integral Calculus.** Prerequisite: Mathematics 53. 4 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

(The following will be given as facilities permit. Applicants for advanced work should consult the head of the Department in advance.)

101. **Higher Algebra.** Prerequisite: Mathematics 12 or 22. 3 credit hours.
- 102-103. **College Geometry.** Prerequisite: Mathematics 12 or 22. 3 credit hours each semester.

COURSES IN DEPARTMENTS OF INSTRUCTION [161

- 104. **Foundation of Mathematics.** Prerequisite: Mathematics 54. 2 credit hours.
- 106. **Mathematics of Finance.** Accepted for major credit by the Department of Economics. Prerequisite: Mathematics 12 or 15. 3 credit hours.
- 113. **Theory of Determinants.** Prerequisite: Mathematics 53. 2 credit hours.
- 115. **Theory of Equations.** Prerequisite: Mathematics 53. 3 credit hours.
- 121. **Analytic Geometry of Space.** Prerequisite: Mathematics 54. 3 credit hours.
- 131. **Theory of Statistics.** Prerequisite: Mathematics 12 or 22. 3 credit hours.
- 141. **Mathematical Theory of Economics.** Prerequisite: Mathematics 12 or 54. 3 credit hours.
- 151. **Advanced Calculus.** Prerequisite: Mathematics 54. 3 credit hours.
- 152. **Differential Equations.** Prerequisite: Mathematics 54. 3 credit hours.
- 162. **Teachers' Course.** Prerequisite: Mathematics 12 or 22. 3 credit hours.
- 172. **History of Mathematics.** Prerequisite: Mathematics 12 or 54. 3 credit hours.
- 181-182. **Pre-Seminar.** Not open to graduate students. Prerequisite: a minor in Mathematics. 1-2 credit hours each semester.
- 191. **Theory of Functions of a Real Variable.** Prerequisite: Mathematics 54. 3 credit hours.
- 192. **Theory of Functions of a Complex Variable.** Prerequisite: Mathematics 54. 3 credit hours.

FOR GRADUATES ONLY

- 251. **Seminar.** 1-3 credit hours.
- 300. **Thesis.** 2-6 credit hours.

DEPARTMENT OF MODERN LANGUAGES AND
LITERATURE

F. M. KERCHEVILLE, PH.D., Professor

WILLIAM F. J. DEJONGH, M.A., Assistant Professor

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

*JOHN E. ENGLEKIRK, M.A., Assistant Professor

ARTHUR L. CAMPA, M.A., Assistant Professor

C. H. S. KOCH, M.A., Part-time Instructor

BENJAMIN MOYA, Student Assistant

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 enrolment. 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.

RELATED SUBJECTS. Students with majors in French, German, Spanish, or Hispanic Studies 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.

GROUP REQUIREMENTS. The requirements of Group II are met by courses in French, German, and Spanish, but not by courses in Hispanic Studies.

FRENCH

MAJOR STUDY. Twenty-four hours in courses numbered above 50. A French major requires a minor in Spanish or Latin.

MINOR STUDY. Twelve hours in courses numbered above 50.

*On leave of absence, 1932-1933.

COURSES IN DEPARTMENTS OF INSTRUCTION [163

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Elementary French.** Credit not given for either semester separately. 4 credit hours each semester.
- 55-56. **Intermediate French.** Prerequisites: French 1 and 2, or two entrance units. 4 credit hours each semester.

FOR JUNIORS, SENIORS, AND GRADUATES

- 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. **French Literature of the Nineteenth Century.** Prerequisites: French 55-56, or equivalent work. 3 credit hours each semester. (Not offered, 1933-1934.)
- 151-152. **Survey of French Literature from the Renaissance to the French Revolution.** Prerequisites: French 55-56, or equivalent courses. 3 credit hours each semester.

GERMAN

MAJOR STUDY. Not offered at present.

MINOR STUDY. Twelve hours in courses numbered above 50.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Elementary German.** Credit not given for either semester separately. 4 credit hours each semester.
- 51-52. **Intermediate German.** In German 51, reading of modern literature, with some emphasis on speed; in German 52, reading in scientific German. Prerequisite: German 1 and 2, or two entrance units. 4 credit hours each semester.
- 61. **Post-War Literature.** 3 credit hours.
- 62. **Scientific German.** A continuation of course 52, with readings in Psychology, Chemistry, and Archaeology. For students working for degrees in these fields. 3 credit hours.

FOR JUNIORS AND SENIORS

- 151-152. **Survey of German Literature.** First semester, to the end of the 18th Century; second semester, 19th and 20th Cen-

turies. Lectures and class reports. 3 credit hours each semester.

SPANISH

MAJOR STUDY. Twenty-four hours in courses numbered above 50, including course 153; and two years of college work in French or Latin.

MINOR STUDY. Twelve hours in courses numbered above 50.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Elementary Spanish.** Credit not given for either semester separately. 5 credit hours each semester.
3. **Review of Fundamentals.** First semester only. A review, without college credit, of the fundamental principles of Spanish grammar, together with the reading of at least one text. 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.** Not counted for major credit. Repeated in the second semester. Prerequisites: Spanish 1 and 2, or the equivalent. 3 credit hours.
- 51-52. **Intermediate 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.** Recommended for students who expect to major in Spanish. Prerequisites: Spanish 51-52, four years of high school Spanish, or the equivalent. 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, or permission of the head of the Department. 3 credit hours each semester.
- 107-108. **Spanish Novel.** The first semester outlines the beginning and development of the novel. The second semester takes up the study of the Spanish novel of the 19th and 20th Centuries. 3 credit hours each semester.

COURSES IN DEPARTMENTS OF INSTRUCTION [165

- 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.
131. **Advanced Spanish Grammar.** Designed to give a thorough understanding of Spanish grammar and syntax. Urged for all who intend to teach or make other practical use of Spanish. Prerequisites: Spanish 103-104, or equivalent. 2 credit hours.
132. **Stylistics.** Designed to develop naturalness and ease in the use of the language. Prerequisite: Spanish 131 or equivalent. 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.** Designed 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.** The proper voice inflection in Spanish conversation, prose, poetry, and dramatic literature. Second semester. Prerequisite: Spanish 153. 2 credit hours.
155. **Problems Seminar.** 2-4 credit hours.
171. **Lyric Poetry.** The development of lyric poetry in Spain, from the earliest efforts of the troubadours to the present time. 2 credit hours.
191. **Course for Teachers.** An analysis and discussion of the various practical methods of language instruction. 2 credit hours.

FOR GRADUATES ONLY

201. **Historical Spanish Grammar.** 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.** Designed as a practical supplement to Spanish 201, illustrating practical application of historical laws. 2 credit hours.
251. **Problems.** 2-4 credit hours.
300. **Thesis.** 2-6 credit hours.

HISPANIC STUDIES

Besides the courses offered for a major in Spanish Language and Literature, the Department of Modern Languages offers a course of study called Hispanic Studies. A major in this division of the Department is intended to give the student a comprehensive background of Spanish life and culture looking toward a better understanding of the social, educational, and cultural problems of the American Southwest. Prerequisites for registration in this course are:

- Completion of Spanish 52 and 54, or the equivalent.
- Anthropology 1 and 2 (General Anthropology).
- Archaeology 62 (Archaeology of the Southwest).
- Economics 43 (Economic Resources).
- All lower division requirements.

Thirty semester hours in courses listed below, together with a minor in Spanish, are required for a major in Hispanic Studies. Required courses are marked with asterisks; others are elective.

- *History 126 (Southwest)
- *History 161 (Spain)
- History 164 (Mexico)
- History 171 (Latin America Colonial)
- History 172 (Latin America National)
- *English 141 (Shakespeare. Prerequisites: English 21, 22, 53)
- English 142 (Elizabethan Drama. Prerequisites: English 21, 22, 53)
- English 149 (Contemporary Drama. Prerequisites: English 21, 22, 141 or 142 or 147)
- Spanish 107-108 (Novel)
- *Spanish 115 (Southwestern Folklore)
- *Spanish 116 (Folk Drama)
- *Spanish 161 (Folk Tales)
- *Spanish 162 (Folk Ballads and Songs)
- Spanish 121-122 (Drama)
- Spanish 171 (Lyric Poetry)
- *Spanish 181 (Spanish Civilization)
- *Spanish 182 (Mexican Civilization)

COURSES IN DEPARTMENTS OF INSTRUCTION [167

115. **Southwestern Folklore.** A general course designed to acquaint the student with the types of lore developed in the Southwest, with special stress on New Mexico. 2 credit hours.
116. **Folk Drama.** Secular and religious drama of the Southwest, beginning with the Spanish occupation. Students enrolling in this course and not interested in Hispanic Studies, must have a good reading knowledge of the Spanish language. 2 credit hours.
161. **Folk Tales.** Development of the folk tale in Europe and its subsequent spread in Spanish America. 2 credit hours.
162. **Folk Ballads and Songs.** Spanish balladry and its introduction and spread in the New World, particularly New Mexico. 2 credit hours.
181. **Spanish Civilization.** A course conducted in Spanish, consisting of lectures and class reports dealing with Spain's contributions to civilization in the realms of language, literature, fine arts, and religion. 2 credit hours.
182. **Mexican Civilization.** A course conducted in Spanish, similar to 181, but dealing with Mexico and the Mexican peoples. 2 credit hours.

PAN AMERICAN INSTITUTE

The Department of Modern Languages sponsors each year a bi-lingual Pan American Institute. This Institute, of several days' duration, is intended primarily as a laboratory for Spanish majors, and participation in its work is strongly recommended for students majoring in Hispanic Studies.

DEPARTMENT OF MUSIC

GRACE THOMPSON; B.Mus., Associate Professor

BERNARD HELFRICH, B.Mus., Instructor in Piano and Theory

BESS CURRY REDMAN, Instructor in Voice

HELENE WOYTYCH, B.A., Instructor in Violin

NINA ANCONA, B.A., Instructor in Pipe Organ, Piano, and Music

LENA CLAUVE, M.A., Assistant Professor of Public School Music

WILLIAM M. KUNKEL, Part-time Instructor in Band and Wind Instruments

MAJOR STUDY. Twenty-four hours in one field of applied music (voice, piano, violin, pipe organ), twelve

hours of theory, and four hours selected from the miscellaneous group.

MINOR STUDY. Twelve hours in one field of applied music, four hours of theory and four hours from the miscellaneous group.

PUBLIC SCHOOL MUSIC. For a major or minor in this field, see curricula in the College of Education.

SPECIFIC COURSES. Specific courses for major or minor credit must be selected with the advice and consent of the head of the Department.

RECITALS AND PUBLIC EXERCISES. 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.

FEES. Additional fees are charged as follows:

Piano, pipe organ, violin, voice, wind instrument, per lesson ($\frac{1}{2}$ hour) -----	\$1.25
Piano rental, per semester -----	5.00
Pipe organ rental, per hour -----	.25

THEORY OF MUSIC

- 1-2. **Harmony.** Scales, intervals, triads and their inversions. 2 credit hours each semester.
- 51-52. **Counterpoint.** Prerequisites: Music 1-2. 2 credit hours each semester.
- 101-102. **Form and Analysis.** Prerequisites: Music 1-2 and 51-52. 2 credit hours each semester.
- 103-104. **Composition.** Prerequisites: Music 101-102. 2 credit hours each semester.

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.** Public school conducting and orchestration; study of the instruments of the orchestra; orchestra material. Prerequisites: Music 61-62. 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 each semester.

MISCELLANEOUS

- 61-62. **Ear Training and Sight Reading.** 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 each semester.
- 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 each semester.
- 163-164. **Music Appreciation.** Designed to cultivate an intellectual attitude in listening to music without over-emphasizing the technical nature of a musical composition. 2 credit hours each semester.

APPLIED MUSIC

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 time so heavy a course in piano may register for one lesson a week.

PIANO

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. Beginners in piano are not allowed a major in piano.

- 1a,b-2a,b **Freshman Course.** Hand culture, finger exercises, suitable etudes and compositions. One or two private lessons per week. 2 or 4 credit hours each semester.

- 51a,b-52a,b. **Sophomore Course.** Composition 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 of concert grade. Appearances in recital and ensemble are required. A maximum of eight credit hours may be earned in this course. Two private lessons a week and prescribed outside 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 eight credit hours may be earned in this course. One or two private lessons a week and prescribed outside practice. 2 or 4 credit hours each semester.
- 195a,b-196a,b. **Advanced Studies in Repertoire.** Prerequisites: Piano 151, 152. One or two lessons a week. 2 or 4 credit hours each semester.

PIPE ORGAN

Prerequisite for pipe organ: freshman and sophomore piano, as described above.

- 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. Prerequisites: Piano 1, 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 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-151a,b-152a,b. **Advanced Courses for Juniors and Seniors.** Advanced compositions suitable for church and concert use. Particular attention will be given to interpretation and registration; and individual needs of students. One or two private lessons a week and additional prescribed practice. 2 or 4 credit hours each semester.

VIOLIN

Students generally will 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 the same course for no additional credit in order to attain eligibility for registration in the next following course.

1a,b-2a,b. Freshman Course. Thorough grounding in fundamentals.

Exercises and pieces selected according to the needs and temperament of individual students. A maximum of eight 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 eight 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.

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 eight credit hours may be earned in this course. Two private lessons a week and outside prescribed practice. 4 credit hours each semester.

151a,b-152a,b. Senior Course. Concertos, sonatas, and pieces suited to advanced students. Senior recital required. A maximum of eight credit hours may be earned in this course. Two private lessons a week and outside prescribed practice. 4 credit hours each semester.

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 individuals 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 credit hours.

1a,b-2a,b. Freshman Course. Practical work in voice placing, including simple exercises and vocalizes from Concone Op. 9 and P. Sieber, vol. 112. 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 Bonoldi, 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. Studio recitals required. Prerequisites: Voice 151-152. One or two lessons a week. 2 or 4 credit hours each semester.

ENSEMBLE MUSIC

Each year courses are organized in ensemble music, consisting of orchestra (Music 33-34), band (Music 41-42), and choruses for men's, women's, and mixed voices (Music 21, 22, 23, 24). The chorus courses include instruction and practice in sight reading. Open to all qualified students, tests for qualifications being held during Freshman Week. Freshmen will not receive credit for ensemble music, and not more than four semesters' credit can be counted toward graduation. Two meetings a week. 1 credit hour each semester.

DEPARTMENT OF PHILOSOPHY

JAY C. KNODE, PH.D., Professor

SIDNEY ELLIOTT, Student Assistant

GROUP REQUIREMENTS. All courses numbered above 50 are accepted toward the requirement in Group III.

MAJOR STUDY. Not offered at present.

MINOR STUDY. Twelve hours in courses numbered above 50, including courses 52 and 156.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **Orientation.** Required of all freshmen, and comprising four types of work, viz.: Lectures covering the various fields of knowledge by heads of University Departments, an introduction to the technique of study, vocational information, and consideration of certain general problems of the modern individual. One lecture and one quiz each week. 2 credit hours.
51. **Contemporary Problems.** An elementary introduction to social problems of the modern world, and the philosophic outlook upon them. Numerous books representative of present-day currents of thoughts are used. One lecture, one period of discussion, and one quiz each week. 3 credit hours.
52. **Problems of the Self.** The modern individual with relation to education, morals, religion, science and philosophy. A continuation of course 51, but may be taken independently. 3 credit hours.
53. **Elementary Logic.** An introductory course dealing with correct reasoning and logical analysis, hindrances and aids to various types of thinking, and principles of thinking involved in certain fields of knowledge. Offered in alternate years. 2 credit hours. (Not offered in 1933-34.)
55. **Educational Classics.** (Same as Education 55). An examination of the writings of great thinkers with respect to education from early Grecian times to the present. Offered in alternate years. 2 credit hours.

FOR JUNIORS AND SENIORS

156. **History of Philosophy.** A rapid survey of the work of outstanding philosophic thinkers and various systems of thought from the times of ancient Greece to the present, with considerable attention to their effects upon contemporary thinking. Offered in alternate years. 3 credit hours.
174. **Philosophy of Education.** (Same as Education 174.) Major movements in the development of our educational system, with emphasis upon the sociological and philosophical aspects and the aims of education. Offered in alternate years. 3 credit hours. (Not offered in 1933-34.)

DEPARTMENT OF PHYSICAL EDUCATION

ROY W. JOHNSON, B.A., Professor

*LORETTA BARRETT KELEHER, B.A., Instructor

MARY CHESIRE, B.S. in P.E., Instructor

CHARLES RILEY, PH.B., Head Football Coach and Freshman Basketball Coach

TOM CHURCHILL, B.A., Basketball Coach and Freshman Football Coach.

†VIRGINIA DANCE, B.S., in P.E., Assistant

HAROLD D. THOMAS, B.P.E., Trainer and Assistant Football Coach

J. C. MACGREGOR, Student Instructor in Fencing

JAMES SADLER, Student Instructor in Riding

(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 in accordance with modern demands.)

PHYSICAL EDUCATION FOR MEN

MAJOR STUDY. (Given only in the College of Education.)

1. All courses listed in the curriculum in the College of Education.

*Resigned January 27, 1933.

†Second semester only.

2. Swimming test must be passed before graduation.
3. Participation in at least one major sport.

MINOR STUDY. (Given only in the College of Education.) A minor is offered in either Athletic Coaching or Formal Physical Education.

1. Twenty-five hours of physical education and biology, not including Physical Education 1 and 2, and 51 and 52.
2. Participation in a major or minor sport, as a player or a student manager.

UNIFORM FOR REQUIRED COURSES.

1. White cotton trunks and jersey, and basketball or tennis shoes.
2. Bathing suit (second semester).

FEES. All physical education students must pay a locker deposit of \$1.00 per year, and a towel fee of \$1.00 per semester.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 1-2. **Freshman Course.** Setting up exercises, elementary floor and apparatus work, games involving agility. Required of freshmen, and of upper classmen who do not have credit for a similar course. 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 do not have credit for a similar course. No credit will be given in course 52 unless the required swimming tests are successfully completed. 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.

FOR JUNIORS AND SENIORS

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. Prerequisites: Physical Education 21, 22, 61, 62. 2 credit hours.
162. Theory and Practice of Swimming and Various Minor Sports. 2 credit hours.
165. Theory and Practice of Intramural and Mass Athletics, Playground and Community Sport, and Service Work. 2 credit hours.
173. Psychology of Athletics. 3 credit hours. (Not offered 1933-1934.)

PHYSICAL EDUCATION FOR WOMEN

MAJOR STUDY. (Given only in the College of Education.)

1. All courses listed in the curriculum in the College of Education.
2. Swimming test must be passed before graduation.

MINOR STUDY. (Given only in the College of Education.) Twelve hours not including Physical Education 5 and 6, and 55 and 56.

UNIFORM. White blouse, black knickers, white socks and high, all white, tennis shoes.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

- 5-6. Freshman Course. Adapted to the needs of students as revealed by their physical examinations. Swimming, tennis, hockey, volley ball, posture training, floor work, dancing, basketball, baseball, archery, and track and field athletics.

COURSES IN DEPARTMENTS OF INSTRUCTION [177

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 each semester.

- 5e-6e. **Horseback Riding.** 1 credit hour each semester. Fee \$10.00 per semester.
- 55-56. **Sophomore Course.** Swimming, tennis, field hockey, volley ball, posture training, floor work, dancing, basketball, baseball, archery, track and field athletics, and riflery. Prerequisites: Physical Education 5 and 6. Required of second year students. Three hours per week. 1 credit hour each semester.
- 55e-56e **Horseback Riding.** Cannot be taken for credit if credit has been earned in 5e-6e. 1 credit hour each semester. Fee \$10.00 per semester.
- 65-66. **Technique.** Study, practice and teaching of physical education activities. Prerequisites: Physical Education 5 and 6. Required of sophomore majors in Physical Education. Three hours per week. 2 credit hours each semester.

FOR JUNIORS AND SENIORS.

104. **Nutrition** (Same as Home Economics 104). This course is given in the Department of Home Economics, primarily for Physical Education majors. 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 practice. Prerequisites: Physical Education 5, 6, 55 and 56. 3 credit hours each semester.
- 107-108. **Technique.** Study, practice, and teaching of physical education activities. Prerequisites: Physical Education 5, 6, 55, 56, 65, and 66. Required of all junior majors in Physical Education. 2 credit hours each semester.
- 155-156. **Technique.** Study, practice, and teaching of physical education activities. Prerequisites: Physical Education 5, 6, 55, 56, 65, and 66. Required of all senior majors in Physical Education. 3 credit hours each semester.
157. **Principles and Methods of Physical Education.** Brief survey of the various programs of physical education in European countries and in the United States. General and specific

objectives of physical education in relation to the whole educational program in a democracy. Means of training health habits and the methods of teaching the various forms of physical education material. 4 credit hours.

166. **Remedial Work for Individual Abnormalities.** A theoretical and practical study of massage. The mechanics of posture and the common abnormalities of the spine and foot. The effect of exercise on constipation and dysmenorrhea. 3 credit hours.

PHYSICAL EDUCATION FOR MEN AND WOMEN

FOR JUNIORS AND SENIORS

161. **First Aid.** Required of men and women who are majoring in Physical Education. 2 credit hours.
167. **Anthropometry and Physical Examination.** Technique of measuring, significance of measurement, and use of data. Physical efficiency tests and their significance. 3 credit hours.
172. **Organization of Physical Education and Athletics.** 3 credit hours.

DEPARTMENT OF PHYSICS

*ROBERT S. ROCKWOOD, PH.D., Professor
 S. B. LIPPINCOTT, M.S., Instructor
 EDWIN F. SMELLIE, M.S.E., Part-time Instructor
 STANLEY FISH, B.S. in E.E., Student Assistant

MAJOR STUDY. Twenty-four hours, not including 61.

MINOR STUDY. Twelve hours, not including 61.

(Note. Courses 51 and 52 may be taken without laboratory by students of the College of Arts and Sciences. All laboratory periods are of three hours each.)

PRIMARILY FOR FRESHMEN AND SOPHOMORES

1. **General Physics.** For students in the College of Arts and Sciences, to satisfy the physics requirement for the pre-medical course. Prerequisites: One year of algebra and

*Died November 23, 1932.

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plane geometry. Lectures and problems, three hours, laboratory, one period per week. 4 credit hours. Fee \$3.00.

2. **General Physics.** Continuation of Physics 1. 4 credit hours. Fee \$3.00.
51. **Engineering Physics.** Mechanics and heat. Prerequisites: Mathematics 15, 16, and 22. Lectures and recitations, four hours per week; laboratory, one period per week. 5 credit hours. Fee \$3.00.
52. **Engineering Physics.** Electricity, sound, and light. Prerequisite: Physics 51. Lectures and recitations, 4 hours per week and laboratory, 1 period per week. 5 credit hours. Fee \$3.00.
61. **Household Physics.** For students of home economics. Lectures and recitations, three hours per week. 3 credit hours.

FOR JUNIORS AND SENIORS

111. **Electricity and Magnetism.** Prerequisites: Physics 1 and 2, or 51 and 52. Lectures and recitations, two hours per week. 2 credit hours.
113. **Electrical Measurements.** Prerequisites: Physics 1 and 2, or 51 and 52; and Mathematics 53 and 54. Laboratory, 2 periods per week. 2 credit hours. Fee \$6.00.
151. **Seminar.** Prerequisites: Physics 1 and 2, or 51 and 52. 2 credit hours.
156. **Advanced Light.** Prerequisites: Physics 1 and 2, or 51 and 52; and Mathematics 53 and 54. Lectures and recitations, two hours per week. 2 credit hours.
162. **Advanced Heat.** Prerequisites: Physics 1 and 2, or 51 and 52; and Mathematics 53 and 54. Lectures and recitations, 2 hours per week. 2 credit hours.
164. **Heat Laboratory.** To accompany Physics 162. Laboratory, 2 periods per week. 2 credit hours.
171. **Atomic Structure.** Prerequisites: Physics 1 and 2 or 51 and 52. Lectures, two hours per week. 2 credit hours.
192. **Electron Physics.** Prerequisites: Physics 1 and 2, or 51 and 52; and Mathematics 53 and 54. Lectures, 2 hours per week. 2 credit hours.

POLITICAL SCIENCE

See History and Political Science.

DEPARTMENT OF PSYCHOLOGY

BENJAMIN F. HAUGHT, PH.D., Professor

RICHARD M. PAGE, M.S., Assistant Professor

JOHNAPHINE ANN LUCKETT, B.S., Graduate Fellow

GROUP REQUIREMENTS. Courses 51, 52, 121, and 122 are accepted toward fulfillment of the requirements in Group IV.

MAJOR STUDY. Twenty-four hours.

MINOR STUDY. Twelve hours.

PRIMARILY FOR FRESHMEN AND SOPHOMORES

51. **General Psychology.** An introductory course. Two lectures and one class experiment each week. 3 credit hours. Fee \$1.00.
52. **General Psychology.** A continuation of 51, with a more intensive consideration of the theoretical foundations and of the various fields to which psychological principles have been applied. Prerequisite: Psychology 51. Two lectures and one class experiment each week. 3 credit hours. Fee \$1.00.
54. **Educational Psychology.** An introductory course emphasizing heredity, individual differences, and learning. Prerequisite: Psychology 51. 3 credit hours.
83. **Vocational Psychology.** History of vocational psychology, mental test techniques, evaluating tests, rating scales, trade tests, and other determinants of vocational fitness. Prerequisite: Psychology 51. 2 credit hours.
84. **Industrial Psychology.** 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.
93. **Elementary Comparative Psychology.** A survey of leading experiments and theories in animal psychology, followed by a consideration of recent trends in the study of racial differences. Prerequisite: Psychology 51. 2 credit hours.

FOR JUNIORS, SENIORS, AND GRADUATES

101. **Social Psychology.** Behavior as influenced by other human beings. Prerequisite: Psychology 51. 3 credit hours.

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102. **Social Psychology.** A detailed study of a selected social institution with the aim of discovering the nature of the psychological control exercised by the institution and the problems it presents. Prerequisite: Psychology 101. 3 credit hours.
103. **Abnormal Psychology.** Abnormal human behavior considered from the standpoint of gaining a better understanding of normal behavior. Prerequisite: Psychology 51. 3 credit hours.
116. **Statistical Method.** An introduction to the study of statistical methods as related to psychology and education. Prerequisite: Psychology 51. 3 credit hours.
121. **Experimental Psychology.** Exercises to familiarize students with the methods, apparatus, and results in psychological research. Prerequisite: Psychology 51. One lecture and two laboratory periods per week. 3 credit hours. Fee \$2.00.
122. **Experimental Psychology.** A continuation of Psychology 121. Prerequisite: Psychology 51. One lecture and two laboratory periods per week. 3 credit hours. Fee \$2.00.
183. **Educational Psychology.** Learning, with some attention to the laws of heredity and individual differences. Prerequisites: Psychology 51 and 52 or 54. 3 credit hours.
185. **Mental Measurements.** Practice in the administration of individual and group tests, the origin and history of the testing movement, interpretation of results. Prerequisites: Psychology 51 and 116. 3 credit hours. Fee \$1.00.
186. **Educational Measurements.** Practice in the administration of educational tests in the elementary and secondary school subjects, interpretation of results, improving instruction through the use of tests. Prerequisites: Psychology 51 and 116. 3 credit hours. Fee \$1.00.
190. **Clinical Psychology.** Clinical practice in administering psychology tests; round-table discussion of clinical cases from the public schools and other sources. Prerequisites: Psychology 103 and 185. 3 credit hours. Fee \$2.00.
192. **Statistical Method.** Correlation, regression, and linear relations; partial and multiple correlation; transmutation of scores; probable errors, coefficient of reliability, and measurement of skewness. Prerequisites: Psychology 51 and 116. 3 credit hours.

193. **Comparative Psychology.** Original studies dealing with experiments in instincts, heredity, learning, delayed reactions, and multiple choice reactions. Prerequisite: consent of the instructor. 3 credit hours.
198. **History of Psychology.** Current psychological problems and trends in psychological thought considered from the historical point of view. 3 credit hours.

FOR GRADUATES ONLY

251. **Special Problems.** 2 credit hours.
300. **Master's Thesis.** 2-6 credit hours.

SUMMER SESSION

Summer instruction at the University of New Mexico was begun in 1922 after a lapse of four years, and has continued since that time. Until 1926 the Summer Session was for six weeks, and since, the length of the Session has been eight weeks. It offers a large variety of courses, with special attention to the needs of prospective teachers, teachers in service, and administrators. All courses may be counted toward the baccalaureate degree unless otherwise specified. Courses numbered above 100, in general, may be counted toward the master's degree.

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

PURPOSE

The purpose of the Summer Session is to enable regular students to advance the day of their graduation; to obtain instruction in courses not offered in the regular session; and to afford to adults an opportunity to turn their vacation to account. Many 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, 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

The bulletin of the Summer Session, which is sent free upon request, contains information regarding courses, credit requirements for degrees, tuition, fees, board and lodging on the campus, etc.

SUMMER SESSION 1933

JUNE 5 TO JULY 29, 1933

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 degrees of Bachelor of Arts and Bachelor of Science in the College of Arts and Sciences; to the degrees of Bachelor of Arts in Education, Bachelor of Science in Education, and Bachelor of Science in Physical Education in the College of Education; and to the degree of Master of Arts 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 rates. Board and room may be had for from \$27.50 to \$35.00 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. Nearby mountains are easily accessible for week-end excursions and picnics. Historic Santa Fe is two hours away by motor. Within a few hours' drive also are Jemez and Sulphur Springs, the Gran Quivira ruins, picturesque Taos, the Pecos Canyon, and the mysterious and ancient "sky city" of Acoma. An excellent modern gymnasium, cement tennis courts, and an out-of-doors swimming pool are available to students.

6. Standing. The University of New Mexico has been fully accredited by the Committee on Higher Education of the North Central Association of Colleges and Secondary Schools, since 1922, and has progressively developed its standards.
7. Courses offered. Archaeology, anthropology, art, biology, economics, education (elementary, secondary, school administration, educational tests, statistics and measurements, educational psychology), English, dramatics, French, geography, geology, journalism, political science, home economics, hygiene, mathematics, music, physical education (athletic coaching, plays and games, swimming), physics, psychology, and Spanish. Special courses will emphasize cultural aspects of the Southwest.

Bulletins, announcements, and other information will be sent free on request. Address: Registrar, Summer Session, University of New Mexico, Albuquerque, New Mexico.

DIRECTORY OF STUDENTS

1932-1933

The following list of names includes all students registered prior to April 1, 1933, during the academic year beginning June 6, 1932, and ending June 5, 1933. The classification is tentative. 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
Freshman	0- 28	0- 28	0- 32
Sophomore	29- 60	29- 60	33- 67
Junior	61- 94	61- 94	68-105
Senior	95-128	95-128	106-143

Special and Unclassified Students are Adult Special Students and those who are not working toward a degree.

The Extension Division includes students enrolled for correspondence work and non-resident classes.

COLLEGE OF ARTS AND SCIENCES

FRESHMEN

Allen, Glenn	Fort Sumner
Allen, James	Albuquerque
Arbogast, William	Albuquerque
Arthur, Mary	Alamogordo
Atkinson, William	Albuquerque
Austin, Sabra	Altus, Oklahoma
Autry, Menlo	Portales
✓ Baca, Don	Albuquerque
✓ Baca, Rupertita	Pena Blanca
Ballinger, Mary Virginia	Albuquerque
Barber, James	Raton
Bartle, Ward	Albuquerque
Barton, Delbert	Raton
Beal, Tyson	Albuquerque
Bennet, Mary Louise	Albuquerque
Biggs, Emmaruth	Albuquerque
Bonds, Clifford	Allen, Oklahoma
Bowman, Harry	Albuquerque
Bowyer, Ralph	Albuquerque
Brannin, Bob	Albuquerque
Bröck, Ruth	Gamerco
Brown, Charlie	Albuquerque

Brownfield, Martha	Florida
Burke, Beverly	Albuquerque
Burkholder, Dorothy	Albuquerque
Cain, Bessie	Albuquerque
Castetter, William	Shamokin, Pennsylvania
Causey, Lynn	Albuquerque
Cimino, Gerald	Albuquerque
Cole, Miriam	Albuquerque
Collister, Douglas	Albuquerque
Connelley, Alfred	Cunco
Corley, Charles	Andrada, California
Cosper, Cora	Lordsburg
Couser, John	Albuquerque
Dalbey, Henry	Albuquerque
Dalbey, Mary	Albuquerque
Davis, Leila	Albuquerque
De Huff, Ann	Santa Fe
Demijan, Anthony	Albuquerque
Dingwall, Bennett	Carrizozo
Dugan, Edward	Albuquerque
Eakes, Randall	Albuquerque
Eatinger, Zelma	Albuquerque
Eutsler, Floyd	Albuquerque
Fanning, Keith	Albuquerque
Feldman, Mrs. Ruth	Albuquerque
Ferree, Frances Lee	Albuquerque
Flint, Sue	Artesia
Fox, Charles	Albuquerque
Francis, Mrs. Ethel	Cubero
Gallagher, Mary	Albuquerque
✓ Gallegos, Ralph	Chama
✓ Gallegos, Silvano	Albuquerque
✓ Garcia, Eustaquio	Ranches of Taos
Gault, Edith	Denison, Texas
Gentry, Jay	Albuquerque
Gilbert, Jack	Alamogordo
Groves, Don	Albuquerque
Ham, Coy	Albuquerque
Hammar, Ebba	Encino
Hanna, Vera	Albuquerque
Harris, Mary	Albuquerque
Heller, Rudolph	Albuquerque
Henry, Joe	Albuquerque
Hermansader, Chester	Sedalia, Missouri
Hogue, Lois	Albuquerque
Hollenbach, Marion	Toledo, Ohio
Hornbaker, Fletcher	Artesia
Howard, Harold	Hillsboro

Jackson, Frank	Albuquerque
James, George	Albuquerque
Jenkins, Emma Louise	Albuquerque
Jenson, Marie	Estancia
Johnson, Avis	Albuquerque
Johnson, Carter	Albuquerque
Keady, James	Dodge City, Kansas
Kellis, Lee Roy	Albuquerque
Kethley, William	Albuquerque
King, Dorothy	Crown Point
Kloss, Margaret	Mountainair
Koogler, John G.	Albuquerque
Krause, Glenn	Milton, Pennsylvania
Lackey, Lawrence	Albuquerque
Larkins, Leone	Albuquerque
Lincoln, Norman	Santa Fe
Livingston, Frank	Belen
Loken, Annette	Albuquerque
Lopez, Emilio	Albuquerque
Loy, Arthur	Albuquerque
McDonald, Morrison	Alamogordo
McGillivray, Angus	Santa Fe
McGinley, Charles	Albuquerque
McKnight, Virginia	Albuquerque
Markham, Allen M.	Albuquerque
Matthews, John	Albuquerque
Medley, Ruth	Albuquerque
Melbourne, Mrs. Ernestine	Albuquerque
Menaul, Rebecca	Albuquerque
Meyers, Ruth	Albuquerque
Miller, Francis	Albuquerque
Miller, Wendell	Albuquerque
Milner, Katherine	Albuquerque
Mitchell, Casey	Roy
Mitchell, James	Albuquerque
Montoya, Frank	Bernalillo
Montoya, Mariano	Albuquerque
Montoya, Samuel	Pena Blanca
Mooney, Mary Alice	Albuquerque
Moore, Virginia	Albuquerque
Murphy, Arthur	Anthony, Kansas
Murphy, John	Albuquerque
Nichols, Don	Clovis
Nickson, Paul	Aurora, Illinois
Nuanes, Peter	Old Albuquerque
Osborne, Douglas	Long Beach, California
Paiz, Abedon	Albuquerque
Patterson, Franceil	Albuquerque

Peacore, Mrs. Dorothy	Albuquerque
Pelzer, Earl	Tucumcari
Person, Robert	Trinidad, Colorado
Potter, Catherine	Douglas, Wyoming
Preston, Rowland	Pekin, Illinois
Puccini, Adelina	Albuquerque
Rainwater, Manford	Tucumcari
Ramsey, Grayson D., Jr.	Old Albuquerque
Ransbarger, Charles	Artesia
Redd, Cliff	Albuquerque
Reed, Robert	Albuquerque
Reimer, John	Albuquerque
Reindorp, John	Magdalena
Reynolds, James	Old Albuquerque
Reynolds, Richard	Albuquerque
Roehl, Joe	Albuquerque
✓ Romero, Porfirio	El Valle
Ross, Eve-lyn	Albuquerque
✓ Saenz, Manuel	Fort Wingate
Satzinger, Perry	Albuquerque
Savage, Eugene	Albuquerque
Scott, Jeanne	Clovis
Scott, John	Albuquerque
Shacklette, Sam	Albuquerque
Shaffer, Martin	Mountainair
Shallenberger, Edith	Albuquerque
Sharp, William	Albuquerque
Shelton, Louise	Albuquerque
Sheppard, Chester	Albuquerque
Shirley, Alice	Albuquerque
Simmons, Frank	Belén
Skinner, William	Old Albuquerque
Smiley, Walter C.	Riverside, California
Smith, Ruth Cornelia	Sedalia, Missouri
Sorenson, Jane	Albuquerque
Squires, Robert	Albuquerque
Stamm, Helen	Albuquerque
Stevens, Byron	Albuquerque
Stewart, Verne	Albuquerque
Stout, Douglas	Montclair, New Jersey
Strong, John Julia	Albuquerque
Taylor, George	Albuquerque
Teare, James	Santa Fe
Tharp, Milburn	Clovis
Thompson, Leon	Albuquerque
Thompson, Marguriete	Albuquerque
Thompson, M. M.	Logan
Townes, Robert C.	Albuquerque
Trammell, Nannie	Albuquerque
Turkel, Julius	Cimarron
Turner, Helen	Center, Colorado
Vaio, Dante	Albuquerque

Walker, Elzer	Albuquerque
Washburn, Chester	Albuquerque
Waxler, James	Albuquerque
West, Sidney	Albuquerque
Whitehill, Vance	Deming
Wisbrun, Hattie	Chihuahua, Mexico
With, Eleanore	Albuquerque
Wiuff, Reuben	Arrey
Wolfe, William*	
Wood, Byron	Albuquerque
Wood, Edwin	Vega, Texas
Wright, Lenn	Albuquerque
Wycoff, Jack	Albuquerque
Young, Cosette	Los Lunas
Yuhas, John	Garfield
Zimmerman, Elizabeth	Albuquerque

SOPHOMORES

Alpers, Frank	Cimarron
Barker, Roy	Santa Fe
Bigelow, Kathryn	Albuquerque
Booth, Charles	Worcester, Massachusetts
Boyd, Charles	Lovington
Brink, Rilla	Alpha, Illinois
Brown, Ruth	Albuquerque
Bulkley, Alfred	Albuquerque
Burke, Ray	Albuquerque
Burkholder, Betty	Albuquerque
Burns, William	Norman, Oklahoma
Burt, Helen	Santa Fe
Bushnell, Tom	Aztec
✓ Campa, Armida	Albuquerque
Chaney, Dick	Salt Fork, Oklahoma
✓ Chavez, Tibo	Belen
Clark, Marian	Albuquerque
Clayton, W. D.	Deming
Coffin, Robert	Saint Mary's, Ohio
Connelley, Hoy	Cunico
Cooper, Robert	Port Arthur, Texas
Craft, Dean	Albuquerque
De Hart, William	Albuquerque
Dennard, William	Albuquerque
Dent, Frank	Ramah
De Tienne, Ruth	Pueblo, Colorado
Downing, Tom	Albuquerque
Dutton, Bertha	Albuquerque

*Deceased.

Evett, Leo	Albuquerque
Exter, Thelbert	Albuquerque
Fell, Kathryn	Albuquerque
Fifield, Fickas	Albuquerque
Finley, Edley	Albuquerque
Flaska, Norman	Albuquerque
Fletcher, Maxine	Albuquerque
Frederick, George	Albuquerque
French, Lois	Albuquerque
Frost, Franklin	Cameron
Gaddy, Lawrence	Raton
Galles, Herbert	Albuquerque
Gardner, Horace	Albuquerque
Geake, Douglass	Albuquerque
Gill, Betty	Albuquerque
Glassman, Nathan	Albuquerque
Greaves, Gordon	Portales
Greene, J. W.	Albuquerque
Haley, John	Albuquerque
Haynie, Lillian	Albuquerque
Higgins, Virginia	Sentinel, Oklahoma
Hill, Mrs. Alice L.	Albuquerque
Hornbaker, Wayne	Artesia
Hoss, Russell	Albuquerque
Hove, Arline	Stanhope, Iowa
Howard, Charles F.	Albuquerque
Jamison, Barbara	Albuquerque
Jenkins, Marguerite	Albuquerque
Jenson, Neal	Estancia
Jones, Myers	Albuquerque
Korber, Jack	Albuquerque
Leverett, William	Albuquerque
Lewis, David	Albuquerque
Logan, Harold	Los Angeles, California
Luhrs, Dorothy	Los Angeles, California
McConnell, Bob	Albuquerque
McCown, John	Albuquerque
McNary, Martha	Albuquerque
Maddox, Robert Lee	Albuquerque
✓ Madera, Ruford	Carlsbad
Martin, Curtis	Cimarron
Massaglia, Joe	Albuquerque
Matteucci, Rolando	Albuquerque
Michael, Richard	Albuquerque
✓ Montoya, Joseph	Isleta
Morgan, Johnnie	Albuquerque
von Neff, Jack	Los Angeles, California
Nordhaus, Maxine	Albuquerque

Peipelman, Linden	Melrose
Powell, Mabel	Chillicothe, Illinois
Powell, William	Albuquerque
Rankin, Mary	Albuquerque
Rathbun, Mary Louise	Los Angeles, California
Rector, Thompson	Tucumcari
Renfro, Everett	Albuquerque
Richardson, Joe J.	Deming
Robinson, Roscoe	Albuquerque
Rogers, Robert	Amarillo, Texas
Root, Hugh	Albuquerque
Rutledge, James	Albuquerque
Rydholm, Clarence	Albuquerque
Schneider, Frances	Albuquerque
Scott, Robert	Albuquerque
✓ Sedillo, C. B., Jr.	Albuquerque
Senter, Don	Estancia
Shortle, Sarah	Albuquerque
Slater, Ralph	Albuquerque
Smith, Frank	Albuquerque
Spivey, Virginia	Albuquerque
Stanton, Arthur	Albuquerque
Stewart, June	Albuquerque
✓ Swayne, James	Albuquerque
Taylor, Vera	Albuquerque
Thomas, Bill	Albuquerque
Thornton, Arthur	Albuquerque
Tobin, Warren	Albuquerque
Tripp, Harvey	Albuquerque
Trussell, Laynoit	Roswell
Vander Wagen, Bernard	Albuquerque
Vander Wagen, Richard	Albuquerque
Varney, Edna	Albuquerque
✓ Vasequez, Ocelio	Penasco
Vidal, Johnnie	Gallup
Walker, Andrew	Albuquerque
Welch, Ernestine	Albuquerque
Whitfield, Henry	Pekin, Illinois
Wiggins, Bennett	Estancia
Wildman, Olin	Garnett, Kansas
Wiley, Jean	Albuquerque
Winsor, John	Morgan Park, Illinois
Woodman, Doris	Albuquerque
Wylie, Claud	Albuquerque

JUNIORS

Arnott, Will	Albuquerque
Barber, John	Albuquerque
Baxter, Hector	Albuquerque

Baysinger, Verlin	Pekin, Illinois
Beddow, Alice	Albuquerque
Bell, James D.	Lebanon, New Hampshire
Benedict, Paul	Poughkeepsie, New York
Bigler, Ruth	Artesia
Blakely, Garth	French
Boose, Stephen	Albuquerque
Bowers, Katherine	Roswell
Boyd, Alfred	Lovington
Brewer, Herman	Albuquerque
Brooks, Charles B.	Taos
Burkholder, Jane	Albuquerque
Butler, Olive	Roswell
Byrnes, George	Albuquerque
Cagle, Charles	Roswell
Calahan, Kathleen	Kansas City, Missouri
Carr, Virginia	Wellington, Kansas
Compton, Martha	Albuquerque
Conrad, Jean	Santa Fe
Conway, Alice	Raton
Cook, Zenas	Albuquerque
Coulston, Beatrice	Albuquerque
✓Cruz, Moicelio	Chacon
Curtis, Sidney	Albuquerque
Eaton, Dorothy	Albuquerque
Elliott, Mrs. Adele M.	Albuquerque
English, Glenneth	Carrizozo
Farley, William	Raton
Finnell, Jean	Albuquerque
Friede, John	Albuquerque
Gault, Vena	Tucumcari
Gleasner, Ed.	Albuquerque
Graves, Frank	Albuquerque
Hardeman, Farrar	Martin, Tennessee
Hardin, Mary Ellis	Albuquerque
Heaney, James	Albuquerque
Henderson, Alice	Santa Fe
Hendron, J. W.	Albuquerque
Hicks, Benton	Albuquerque
Hinde, Thomas	Taos
Hogner, Mrs. Dorothy	Albuquerque
Holt, Jackson	Albuquerque
✓Jaramillo, Prospero	Albuquerque
Jolly, Joe	Albuquerque
Kahnt, Beulah	Albuquerque
Keller, Alis	Albuquerque
Kinney, Gordon	Albuquerque
Kirk, Howard	Albuquerque
Knotts, Georgia	Clovis
Krohn, Daniel	Albuquerque

Linkins, John T.	Washington, D. C.
Lommori, Joe	Albuquerque
McGuinness, Joe	Albuquerque
McGuinness, Lee	Albuquerque
MacGregor, J. C.	Albuquerque
Mack, Donald	Albuquerque
Maisel, Albert	Albuquerque
Martin, Frank	Albuquerque
Mater, Dan	Albuquerque
Meeks, Tom	Albuquerque
Miller, Ruth	Taos
O'Brien, Jacqueline	Redondo Beach, California
Perkins, Archie	Corona
Phillips, Don	Iola, Kansas
Ramsey, Harry	Albuquerque
Rouse, Gaius	Raton
Rouse, Titus	Raton
Saxton, M. A.	Albuquerque
Schaefer, Waldemar	Reading, Pennsylvania
Schlick, Carl	Iola, Kansas
Searcy, Mrs. Gertrude	Albuquerque
Short, Robert	Albuquerque
Sieglitz, Frank	Albuquerque
Sienkewicz, Harriet	Chicago, Illinois
Sills, Helen Ann	Albuquerque
Simpson, Mrs. Frances	Denver, Colorado
Spencer, Jane	Carrizozo
Teare, John	Santa Fe
Tharp, Fred	Clovis
True, Willie	Melrose
Walton, Jack	Clovis
Ward, Harrie-Louise	Las Vegas
Warner, Gertrude	Las Vegas
Wells, Harriette	Old Albuquerque
Welton, Philip C.	Albuquerque
Whitehill, Harvey	Deming
Whitfield, James	Pekin, Illinois
Wilcox, Richard	Albuquerque
Williams, Charles	Roswell
Williams, Chester	Albuquerque
Williamson, Jack	Elida
Wills, Mary	Albuquerque
Wilson, Bill	Albuquerque
Wilson, Wilma	Roswell
Womack, Fred	Mountainair

SENIORS

Allen, Fritz	Albuquerque
Allen, Murray	Albuquerque
Amble, Thelma	Mountainair
Andrews, Frances	Santa Fe
✓ Baca, Tony R.	Albuquerque
Backus, Langdon	Brownsville, Maryland
Baer, Daurice	Monticello, Indiana
Baker, Arthur	Albuquerque
Baldwin, Robert L.	Socorro
✓ Barela, Fred	Albuquerque
✓ Barela, John	Albuquerque
Barker, Charles B., Jr.	Santa Fe
Bezemek, James	Albuquerque
Biggs, Jack	Albuquerque
Black, Albert	Albuquerque
Brickley, Ruth	Carrizozo
Brown, Fred	Mesilla Park
Brown, Myrtle	Albuquerque
Brownfield, Elizabeth	Florida
Calkins, J. Eugene	Albuquerque
✓ Chavez, Joseph E.	Los Lunas
Childers, Katherine	Albuquerque
Clouser, Gordon	Albuquerque
Cochran, Wilson	Mercer, Pennsylvania
Colegrove, Jane	Beverly Hills, California
Conley, Vernita	Albuquerque
Coons, Angela	Albuquerque
Currier, Ruth	Albuquerque
Devine, Paul	Springer
Dittmer, Howard	Pekin, Illinois
Edwards, Jean	Albuquerque
Elliott, Sidney	Albuquerque
Ely, Albert	Allentown, Pennsylvania
Faha, Frank	Albuquerque
Feldmann, Fred	Albuquerque
Fernandez, Eloy	Springer
Ferrell, Lee	Albuquerque
Fish, Jack	Albuquerque
Fulkerson, Edna	Albuquerque
Fullerton, Elvina	Albuquerque
Gardner, Mary	Albuquerque
Gibson, LeRoy	Belen
Gill, Donald	Albuquerque
Gill, Joseph	Albuquerque
Graham, Warren	Albuquerque
Hartley, James A.	Albuquerque

Hoban, Joseph	Cleveland, Ohio
Homan, Lilburn	McIntosh
Hoskins, Harley	Albuquerque
Howard, Charles W., Jr.	Springfield, Ohio
Hutto, Claude	Albuquerque
Jones, Maurene	Albuquerque
Kellahin, Jason	Roswell
LaPine, Alfred	Albuquerque
Lawson, Tom	Tucumcari
Letton, Thompson	Elida
Loken, Ralph	Albuquerque
McSpadden, George	Albuquerque
Major, LeRoy	Albuquerque
Malone, Lorene	Albuquerque
Martin, George	Albuquerque
Meyer, Jack	Albuquerque
Miller, Margaret	Taos
Minnick, Dan	Albuquerque
Minton, Elmer	Roswell
Mullison, Wendell	Albuquerque
Nichols, William	Clovis
Osuna, Edward	Albuquerque
Owen, Harry	Los Lunas
Patterson, Fred	Woodward, Oklahoma
Robinson, Joe D.	Tularosa
Sadler, James	Albuquerque
Sigler, Charles	Albuquerque
Smith, Francis A.	Albuquerque
Smith, Hillard	Albuquerque
Stubbs, Helen	Albuquerque
Stumph, Roy	Tucson, Arizona
Swayne, William	Albuquerque
Walling, Rex	Albuquerque
Wentworth, Mrs. Madelyn	Albuquerque
Wiley, Helen	Albuquerque

COLLEGE OF EDUCATION

FRESHMEN

Allen, Omar	Carlsbad
Allen, Robert	Las Vegas
Antoine, Jewel	Albuquerque
Arnold, Mildred	Corona

Baker, Grace	Roswell
Barboa, Dora	Albuquerque
Barela, Ernestine	Quemado
Barker, Florence	Santa Fe
Bartlett, Audrey	Rye, Colorado
Bean, Marjory	Albuquerque
Beaver, Earl	Albuquerque
Bigelow, Evelyn	Albuquerque
Brannin, Bill	Albuquerque
Bretney, Portz	Albuquerque
Brewer, Dorothy	Albuquerque
Brewer, Mary Evelyn	Albuquerque
Broderick, Josephine	Albuquerque
Buck, Eupha	Tularosa
Buttram, Wilma	Albuquerque
Carnes, Pauline	Taos
Carriere, Velia	Albuquerque
Chavez, Alfred	Albuquerque
Chavez, Rosa	Albuquerque
Cobos, Ruben	Albuquerque
Contreras, Cirenia	Albuquerque
Crowe, Mrs. Adelaine	Albuquerque
De Blassie, Mrs. C.	Old Albuquerque
Dines, Georgia	Hillsboro
Dinwiddie, Johnie	Albuquerque
Downer, Mabel	Albuquerque
Faris, Marianne	Santa Fe
Finkhousen, Joyce	Albuquerque
Fleming, Paul	Albuquerque
Flood, Beth	Chicago, Illinois
Frankenburger, Frances	Cimarron
Geders, John	Albuquerque
Giannini, Louis	Albuquerque
Goforth, Helen	Tularosa
Gonzales, Mela	Lemitar
Goodwin, Helen	Roswell
Griego, Robert	Albuquerque
Harrington, Evelyn	Albuquerque
Hayes, Emily	Albuquerque
Hemphill, Ramon	Albuquerque
Henry, Francis	Albuquerque
Herrera, Eumelia	Armijo
Holbrook, Catherine	Huntington, Arkansas
Holt, Olive	Albuquerque
Hopper, Alpha Mae	Albuquerque
Hosking, Harriet Lou	Albuquerque
Hunter, Eleanor	Albuquerque
Ivie, Etta Mae	Albuquerque

Keasler, Edwin S.	Shreveport, Louisiana
Kelly, Laura	Deming
Kissam, Elizabeth	Albuquerque
Langford, Alice	Albuquerque
Langham, Virginia	Estancia
Lau, Harold	Albuquerque
Lehrman, Ferol	Albuquerque
Lemon, Billy	Madrid
Lewis, Fred	Stanley
Lipp, Dorothy	Albuquerque
Lizar, Thomas, Jr.	Mountainair
Logan, Mary Virginia	Albuquerque
Lopez, Frank	Santa Fe
McKellar, Mary	Albuquerque
McMinn, Ione	Carlsbad
MacGregor, Mary Elizabeth	Albuquerque
Masters, Omer	Albuquerque
Matthew, Elizabeth	Albuquerque
Metzgar, Nina	Armijo
Mirabal, Alfonso	Albuquerque
Mohr, Cleo	Albuquerque
Montes, Amanda	Hondo
Montes, Fermin	Glencoe
Montoya, Rose	Old Albuquerque
Moore, Margarette	Albuquerque
Nannah, Rees	Albuquerque
Nannah, Rose,	Albuquerque
Olson, Ruth	Albuquerque
Orton, Marianne	Fullerton, California
Pacheco, Vicente	Hot Springs
Parker, Thadene	Albuquerque
Pearson, Thelma Mae	Albuquerque
Proctor, Ruby	Santa Fe
Rebord, Bernice	Albuquerque
Redden, James	Albuquerque
Riley, Charles C.	Agua Fria
Romero, Eileen	Peralta
Romero, Jay Jay	Albuquerque
Romero, Rosela	Los Lunas
Sanchez, Alfonso	Belen
Sanchez, Avilio	Belen
Sanchez, Mrs. Eli	Peralta
Sanchez, Plutarco	Albuquerque
Sandoval, Estella	Albuquerque
Seymour, Julia	Albuquerque
Shelton, Virginia	Albuquerque
Smith, James	Albuquerque

Tafoya, Clory	Los Lunas
Taylor, Nadine	Fort Sumner
Thornton, Frances	Albuquerque
Tobin, Thomas	Albuquerque
Trujillo, Jake	Chimayo
Tucker, Marie	Roswell
Turrieta, Olympia	Albuquerque
Turvey, Dorothy	Albuquerque
Valdenegro, Rufina	Albuquerque
Valdez, Toney	Cimarron
Vander Wagen, Gertrude	Albuquerque
Vawter, Emilia	Albuquerque
Weide, Gwendolyn	Albuquerque
Wells, Enid	Old Albuquerque
Whitted, Roland	Albuquerque
Willis, Virginia	Santa Fe
Witzel, Ruth	Albuquerque
Yoder, Rita	Albuquerque

SOPHOMORES

Alcantar, Jose	Albuquerque
Archuleta, Manuel	Chamita
Armstrong, Mrs. Winnie	Belen
Autry, Thelma	Portales
Behrman, Mary Jane	Albuquerque
Bittner, Louis	Shadyside, Ohio
Blair, Lois	Albuquerque
Bowman, Frank	Albuquerque
Bowman, Marjorie	Albuquerque
Briscoe, James	Tularosa
Briscoe, Robert	Tularosa
Brown, Mrs. Cora	Albuquerque
Byers, Frank	Albuquerque
Callister, Doris	Hot Springs
Carr, Carmen	Fort Sumner
Case, Catherine	Aztec
Chacon, Robert	Albuquerque
Chiles, Catherine	Albuquerque
Christ, Lorene	Alameda
Cochran, Albert	Estancia
Cochran, Robby	Alamogordo
Cole, Mary Jane	Albuquerque
Cook, Eunice	Charleston, West Virginia
Cross, Joe	Colony, Oklahoma
Deakins, Warren	Albuquerque
Donnell, Laura Grace	Albuquerque
Dougherty, Frances	Albuquerque
Douglass, Ostenia	Okmulgee, Oklahoma
Duran, Margaret	Albuquerque
Ellis, Helen	Albuquerque

Flores, John	Silver City
Foss, Marion	Socorro
Fracarol, LaCharles	Albuquerque
Frazer, Marian	Albuquerque
French, Mary Jane	Albuquerque
Garcia, Margaret	Belen
Gardner, Maxine	Albuquerque
Gholson, Grace	Albuquerque
Gibson, Dorothea	Alamogordo
Godding, Ruth	Albuquerque
Harrington, Mrs. Agnes	Albuquerque
Harris, Mrs. Fannie	Albuquerque
Harris, Luther D.	Albuquerque
Hayes, Loys	Albuquerque
Hays, Guyton	Albuquerque
Heyman, Verena	Albuquerque
Holley, Carrie	Albuquerque
Holmes, John	Raton
Howard, Norma	Farmington
Jenkins, Harris W.	Albuquerque
Johnstone, Helen	Albuquerque
Jones, Cornelia	Albuquerque
Jones, Jack	Belen
Kahn, Mignon	Raton
Lane, Catharine	Albuquerque
Lawrence, Mary	Albuquerque
Laws, Minnie	Estancia
Lee, Lois	Albuquerque
Lee, Louise	Albuquerque
Looney, Mrs. Katherine	Albuquerque
Lybarger, James	Bushnell, Illinois
McCormick, Elizabeth	Albuquerque
McCray, Mrs. Frances	Shiprock
Maier, Frances	Albuquerque
Marr, Louise	Albuquerque
Mayfield, Mrs. Mary	Las Cruces
Moulton, Gertrude	Albuquerque
Murphy, Florence	Albuquerque
Nordstrum, Robert	Arrey
Olson, Eleanore	Albuquerque
Otero, Joe Louis	Los Lunas
Padilla, Josephine	Lordsburg
Padilla, Lucy	Belen
Pardue, Margaret	Fort Sumner
Peinado, Magdalena	Madrid
Perce, Glescia	Albuquerque

DIRECTORY OF STUDENTS

[201

Perrault, Beatrice	Silver City
Pickett, Meryl	Albuquerque
Porterfield, J. C.	Cedar Crest
Rohovec, Marvin	Fennimore, Wisconsin
Romero, Eloisa	Peralta
Rowe, Catherine	Albuquerque
Russell, Louise	Roswell
Sanchez, Gabriela	Albuquerque
Sanchez, Telesfor	Albuquerque
Scheer, Vivian	Albuquerque
Seery, Katherine	Belen
Shacklette, Bennett	Albuquerque
Shacklette, Fred*	
Sharp, Maywood	Albuquerque
Shipe, Edna E.	Las Cruces
Shook, Rowena	Alto
Steiner, Edna	Albuquerque
Stevens, Robert	Albuquerque
Thomas, Francis	Albuquerque
Thomas, Gordon	Albuquerque
Valdez, Elizabeth	Cuba
Van Cleave, Marjorie	Albuquerque
Van Doren, Pearl	Belen
Willis, Elsie	Albuquerque
Young, Frances	Albuquerque
Young, Mildred	Albuquerque

JUNIORS

Abeyta, Josephine	Albuquerque
Armijo, Lila	Albuquerque
Atencio, Elias	Dixon
Baca, Mrs. Lena	Albuquerque
Baca, Ruth	Peralta
Baker, James	Albuquerque
Barton, Ray	Raton
Baxter, Mary Hester	Albuquerque
Bebermeyer, Virginia	Albuquerque
Bietz, Margaret	Albuquerque
Black, Alta	Albuquerque
Booth, Agnes	Tucumcari
Booth, Nelleva	Cliff
Brannin, Virginia	Albuquerque
Bright, Philip	Albuquerque
Bryson, Dashiell	Albuquerque
Burke, Irene	Albuquerque
Campa, Mrs. Ruth	Albuquerque
Campbell, Dorothy	Albuquerque
Campbell, Grace	Albuquerque

*Deceased

Davis, L. O.	Saint Augustine, Florida
Dees, Mrs. Margaret	Albuquerque
Dorroh, Mrs. Martha Crymes	Albuquerque
Fossnock, Annettea	Albuquerque
French, Laura	Albuquerque
Gallegos, Paul	Santa Rita
Garcia, Archie	Clayton
Gill, Mrs. Gertrude	Albuquerque
Gose, Elsie	Hurley
Graham, Nelle	Albuquerque
Grammer, Mrs. Maurine	Albuquerque
Gutierrez, Rudolph	Albuquerque
Hannett, Margaret	Albuquerque
Henry, Marjorie	Albuquerque
Hey, Irene	Albuquerque
Hilliard, Winifred	Albuquerque
Hix, Mrs. Dorothy	Albuquerque
Hopler, Jeanne	Albuquerque
Israel, Eva M.	Farmington
Jackson, Zenolia	Albuquerque
Johnson, Perie Florence	Raton
Jones, Verna	Albuquerque
Kerr, Nannie	Lyndon, Kansas
King, Mary L.	Houston, Missouri
Lippincott, Mrs. Annabelle	Albuquerque
Long, Elizabeth	Van Houten
Lynch, Nettie	Albuquerque
McDannel, Val	Albuquerque
McGuire, Onie	Iola, Kansas
Mainz, Virginia	Albuquerque
Matthews, Martha	Albuquerque
Mauk, Beulah	Taiban
Means, Eloise	Silver City
Miller, Mrs. Pearl	Albuquerque
Milner, Patty	Albuquerque
Morrison, Elizabeth	Albuquerque
Moya, Josephine	Old Albuquerque
Napoleon, Marguerite	Albuquerque
Nelson, Carl	Albuquerque
Nielsen, Esther	Albuquerque
Noecker, Florence	Albuquerque
Ortega, Nellie	Albuquerque
Ortega, Sofia	Albuquerque
Paddock, Gene	Wilmette, Illinois
Palmer, Irma D.	Albuquerque

DIRECTORY OF STUDENTS

[203

Parker, Ethel M.	Albuquerque
Pierce, Marian	Albuquerque
Quintana, Dora	Albuquerque
Ravel, Mrs. Norma	Albuquerque
Roche, Helen	Newport News, Virginia
Rockwood, Mrs. Ethel	Albuquerque
Rodriguez, Sophie	Mesquite
Russell, Mrs. Theodora	Albuquerque
Salaz, Fernando	Los Chavez
Salazar, Rufina	Albuquerque
Sanchez, Rita	Albuquerque
Schmidt, Margaret	Albuquerque
Schroeder, Erna	Albuquerque
Severns, Ralford	Iola, Kansas
Smith, Hazel G.	Menominee, Michigan
Smith, Jane A.	South Pasadena, California
Smith, Louise	Albuquerque
Soto, Mrs. Bennie	Albuquerque
Spears, Mrs. Lois	Albuquerque
Suggs, Dorothy	Albuquerque
Vidal, Kathryn	Gallup
Viggers, Rose	Albuquerque
Walls, Anna G.	Albuquerque
Wesch, Darrell	Shiprock
White, Alice F.	Albuquerque
Wilcox, Mrs. Helen	Albuquerque
Wilson, Mildred	Albuquerque
Wood, Arthur	Stanley
Wright, Carolyn	Kendallville, Indiana
Yearout, Cecelia	Albuquerque
Zuber, Lena	Albuquerque

SENIORS

Aldridge, Harold	Manchester, Oklahoma
Blakely, R. Keith	French
Bobo, Mrs. Irma	Albuquerque
Bond, Helen	Carlsbad
Bromell, Jayne	Albuquerque
Cantrell, Maxine	Anthony
Carter, Catherine	Albuquerque
Chappell, Minnie Bea	Corona
Cook, Lelia	Fort Sumner

De Graftenreid, Mary Elizabeth	Albuquerque
Drury, Margaret	Albuquerque
Elliott, Mrs. Edith Lindy	Albuquerque
Farrell, Alice	Clayton
Finney, Sara	Albuquerque
Galaz, Alfredo	San Lorenzo
Gardner, Esther	Albuquerque
Gonzales, Adolfo C.	Albuquerque
Gutierrez, Stella	Albuquerque
Gutierrez, Veneranda	Albuquerque
Halbrooks, Helen	Anthony
Hammond, Lois	Albuquerque
Hershfield, Harriet	Santa Rosa
Hill, Kermit	Santa Fe
Hood, George	Rehoboth
Jameson, Mildred	Albuquerque
Johnson, Betty	Albuquerque
Komadina, Anne	Dawson
Kuipers, Cornelius	Albuquerque
Lamb, Olive	Albuquerque
Lieberman, Joseph	Albuquerque
Lock, Mrs. Helen	Albuquerque
Lovelace, Maxine	Albuquerque
Lunsford, Dora	Darlington, Florida
McDonald, Clarabel	Albuquerque
McDonald, Estelle	Albuquerque
McDowell, Helen	Albuquerque
McGinley, Mrs. May	Albuquerque
McKinley, Howard	Fort Defiance, Arizona
McKinistry, Mrs. Jane	Albuquerque
Marmon, Miriam	Laguna
Mayfield, Marguerite	Albuquerque
Moore, Athena	Albuquerque
Moulton, Margaret	Las Vegas
Moya, Benjamin	Grants
Mudgett, Zadah	Albuquerque
Mullison, Mrs. Helen	Albuquerque
Nelson, Mrs. Margaret	Albuquerque
Palmer, Mrs. Willa	Albuquerque
Perce, Emmarie	Albuquerque
Pratt, Ruth	Raton
Redman, Mrs. Bess	Albuquerque
Retick, Mrs. Lulu	Albuquerque
Reutinger, Otto	San Diego, California

Richards, Ruth	Albuquerque
Risser, Anna	El Paso, Texas
Rousseau, Mrs. Edna	Santa Fe
Schumann, Walt	Albuquerque
Scott, Charlie	Albuquerque
Sell, Esther	Albuquerque
Shaffer, Wilma	Albuquerque
Sherman, Louise	Albuquerque
Sherwood, Elizabeth	Dawson
Shortle, Alice	Albuquerque
Silver, Mrs. Fern	Albuquerque
Sisney, Georgia	Tucumcari
Spillers, Lena	Albuquerque
Stirrat, Jean	Albuquerque
Stuart, W. W.	Madrid
Thomson, Norma	Gallup
Trigg, Ralph	Fort Sumner
Triplett, Baylor	Texico
White, Edna	Albuquerque
Wiley, Genevieve	Albuquerque
Wiley, Lloyd	Albuquerque
Williams, Marguerite	Knowles
Williamson, Morrelle	Albuquerque
Wilson, Alice	Albuquerque

COLLEGE OF ENGINEERING

FRESHMEN

Benson, Sherwood	Albuquerque
Biddle, Walter	Albuquerque
Bowman, Elmer	Albuquerque
Brewer, Raymond	Albuquerque
Byram, Lewis	Albuquerque
Chase, Richard	Ware, Massachusetts
Clark, Murray	San Diego, California
Conroy, Jack	Albuquerque
Dangelzer, John	Albuquerque
Davis, Charlie	Albuquerque
Dreyfuss, Stanley	Albuquerque
Frank, Austin	Albuquerque
Frederick, Roscoe	Albuquerque
Fritz, Velton	Albuquerque
Garrett, Damon	Albuquerque
Glavey, Thomas	Pennington, New Jersey
Gleasner, Robert	Albuquerque
Goldsworthy, Fred	Albuquerque
Green, William F.	Albuquerque

Harris, Herbert	Albuquerque
Hayes, Doyle	Belen
Jordan, Bennie	Mills
Keller, William	Albuquerque
Keyes, Clois	Clayton
Koch, Lincoln	Albuquerque
Koogler, Jack	Albuquerque
LeFeber, Charles	Albuquerque
Marr, Lawrence	Albuquerque
Marth, Richard	Albuquerque
Medley, Charles	Mountainair
Medveson, Lazarus	Albuquerque
Moore, M. F.	Albuquerque
Moynihan, Gerald	Schenectady, New York
Owen, James H.	Central
Roehl, Tom	Albuquerque
Rutherford, George	Albuquerque
Schiveley, Robert	Albuquerque
Smith, B. Adams	Santa Rita
Stamm, William	Albuquerque
Stewart, George M.	Albuquerque
Stickler, Chester	Albuquerque
Thompson, Robert	Albuquerque
With, Alex	Albuquerque
Yates, Floyd	Gallup
Zachmann, Alfred	Albuquerque

SOPHOMORES

Armstrong, Homer	Albuquerque
Barrows, Addo	Amarillo, Texas
Beistline, Edward	San Diego, California
Black, Elmo	Albuquerque
Bluestein, Howard	Albuquerque
Brantley, Draper	Carlsbad
Brogan, Francis	Hudson, Michigan
Bullington, Kenneth	Albuquerque
Caldwell, Charles	Albuquerque
Chenoweth, Dale	Albuquerque
Creamer, Carlos	Rowe
Crook, Leonard	Espanola
Cushman, Henry	Lebanon, New Hampshire

DIRECTORY OF STUDENTS

[207

David, Byron	Las Vegas
De Foor, Irving	Albuquerque
Dudley, Donald	Las Vegas
Dutter, Hugh	Albuquerque
Gladding, James	Albuquerque
Hayes, James	Albuquerque
Howell, Cleves	Albuquerque
Humphries, Roy	Willard
Hurt, Kemper	Albuquerque
Kretsinger, Donald	Belen
McCray, Lionel	Shiprock
McCullough, Norman	Clovis
McDonald, Harris	Albuquerque
Owen, J. Clarke	Albuquerque
Palmer, Robert Q.	Denver, Colorado
Pearson, Harold	Albuquerque
Pooler, Clay	Albuquerque
Potts, Richard	Albuquerque
Pryor, Bodie	Albuquerque
Redd, Harold	Albuquerque
Remley, Hilton	Raton
Rogers, Guy	Albuquerque
Thomas, Tom	Albuquerque
Wells, William	Albuquerque
Wilhelm, Keith	Roswell

JUNIORS

Armijo, George	Albuquerque
Beahm, E. Metz	Albuquerque
Berberich, J. William	Albuquerque
Brady, James Maple	Albuquerque
Brake, George	Clovis
Campbell, Allister	Albuquerque
Chamberlin, James W.	Albuquerque
Clark, Ben Hardin	Albuquerque
Draper, Elmond	Clayton
Foley, Neil	Manteca, California
Frank, Claire*	

*Deceased

Hanlon, Lawrence	Willard
Heron, Kenneth	Albuquerque
Huning, Fred	Los Lunas
Hurst, George	Los Angeles, California
Jones, Paul	Albuquerque
Lucas, Bert	Albuquerque
McCarty, Tom	Long Beach, California
McCoy, John	Albuquerque
Miller, Verne	Albuquerque
Muir, Charles*	
Perce, Milton	Albuquerque
Pflueger, Max	Santa Fe
Pierce, Norman	Albuquerque
Rainey, Ralph	Albuquerque
Root, Lindsay	Albuquerque
Schaffner, Henry	Albuquerque
Seery, George	Belen
Wilson, Caldwell	Albuquerque
Wortmann, Harry	Peralta

SENIORS

Blank, William	Albuquerque
Brown, Robert C.	Farmington
Coplin, Philip	Bay City, Michigan
Earickson, Robert	Fort Sumner
Hall, John R.	Albuquerque
Iden, Chester	Albuquerque
Luke, John	Las Vegas
Luthey, Forrest	Albuquerque
Matthews, Loren	Albuquerque
Munn, Hugh	Albuquerque
Pilcher, John	Albuquerque
Shaver, Paul Mack	Carrizozo
Shoup, George	Albuquerque
Stevenson, Lewis	Albuquerque

*Deceased

Walton, Jean	Clovis
Zirhut, Martin	Albuquerque

THE GRADUATE SCHOOL

Ackerman, Russell	Albuquerque
Ancona, Mrs. Nina	Albuquerque
Anderman, Eleanor	Albuquerque
Attebery, Esther*	Kirksville, Missouri

Ball, Mrs. Gladys	Albuquerque
Ball, Myrl	Albuquerque
Bauer, Leland	Albuquerque
Bentley, Cecile	Albuquerque
Bentley, Estelle	Huntsville, Missouri
Bewley, Mary*	Morristown, Tennessee
Blackshare, Mrs. Jessie	Albuquerque
Bogert, Regis	Albuquerque
Bowen, Maynard	Albuquerque
Bowman, Grace	Santa Fe
Brigham, Mrs. Mary	Albuquerque
Brooks, J. Stanley	Salem, Indiana
Bruno, Mary*	Albuquerque
Burcham, Carl	Albuquerque

Carr, Mrs. Anita Osuna	Albuquerque
Carter, Rufus	Santa Fe
Childers, Mary	Albuquerque
Churchill, Tom	Albuquerque
Clauve, Lena	Albuquerque
Cochran, Martha	Santa Fe
Connell, Mary Katherine	Albuquerque
Cook, Sara Louise	Albuquerque
Copeland, Margaret	Albuquerque
Costales, Dionisio	Albuquerque
Cottrell, Dorothy	Albuquerque
Cresto, Louise*	Rockvale, Colorado
Crosno, Maude	Albuquerque
Curtis, John W.	Melrose

Dance, Virginia	Cedar Crest
Davidson, Roy	Albuquerque
Davis, Edna	Albuquerque
Deck, George	Albuquerque
Doty, Mrs. Maud	Albuquerque
Dring, Ruth	Santa Fe

Eilar, Loring	Spiceland, Indiana
Eller, Barbara	Albuquerque
Eller, Marian	Albuquerque
Enloe, James Carey	Albuquerque
Erlandson, Ethel	Albuquerque

*Auditors.

Faircloth, Lauretta	Santa Rosa
Fish, Stanley	Estancia
Fitz, Beulah	Albuquerque
Foster, Mannie	Albuquerque
Garro, Mrs. Marie	Albuquerque
Gill, John	Belen
Gray, Mrs. Queen	Albuquerque
Greiner, Mrs. Alice	Albuquerque
Harp, Ernest	Artesia
Harris, Stevens	Albuquerque
Herby, Vera	Albuquerque
Howard, Mrs. Clarissa B.	Albuquerque
Huck, Florence*	Buffalo, New York
Huffman, Harold	Russell, Kansas
Jahn, Violet	Albuquerque
Jones, Hester	Santa Fe
Keller, Delight	Albuquerque
Kennedy, Mrs. Lois	Albuquerque
Kinter, Mrs. Elberta	Albuquerque
Kluckhohn, Mrs. Florence	Albuquerque
Koch, Clinton H. S.	Albuquerque
Kuntz, Joseph	Albuquerque
Lewis, Jay Frederick	Cerrillos
Lighton, Mrs. Irene	Albuquerque
Logan, Mrs. Ruth	Albuquerque
Luckett, Ann	Wayland, Missouri
McConnell, Mary	Albuquerque
McGowan, Gertrude	Albuquerque
McKinney, Lillie	Albuquerque
MacPherson, D. A., Jr.	Albuquerque
Maddison, LeRoy	Albuquerque
Mendenhall, Henry	Albuquerque
Miller, Patrick	Albuquerque
Moar, Hector	Los Angeles, California
Monahan, Tessie	Albuquerque
Moore, Rosebud	Albuquerque
Muir, Mrs. Bertha	Albuquerque
Munro, Ronald J.	Albuquerque
Neal, Frank	Albuquerque
Neely, L. W.	Colorado Springs, Colorado
Nordhaus, Elizabeth	Albuquerque
Olson, Florence	Albuquerque
Palmer, Roy	Albuquerque
Paul, Eddie	Santa Fe
Prentice, Florence	Tucumcari

*Auditor.

Reardon, William	Albuquerque
Reindorp, Reginald	El Rito
Reiter, Paul	Santa Fe
Reiter, Mrs. Winifred	Santa Fe
Rhoades, Nell	Hanover, Kansas
Ripple, Lawrence	Albuquerque
Roberson, Luciester	Hermleigh, Texas
Robertson, Lady Gay	Mesilla Park
Robinson, D. G.	Cunico
Roe, Ralph F.	Albuquerque
Russell, Chester	Albuquerque
✓Schupp, Ona E.	Albuquerque
Sedillo-Brewster, Mela	Albuquerque
Shannon, Frank	Albuquerque
Sharp, Jeffie	Albuquerque
Smellie, Edwin	Albuquerque
Smith, Donald	Albuquerque
Snapp, Edwin	Mountainair
Sorenson, Mrs. Zene	Santa Fe
Stansifer, Helen	Albuquerque
Sterrett, Arabella	Albuquerque
Stewart, Waueta	Albuquerque
Sturgeon, Kate	Albuquerque
Swayne, Anna*	Albuquerque
Taylor, Eleanor	Albuquerque
Telles, Elias	Bent
Thomas, Harold D.	Albuquerque
Trujillo, Josue	Taos
Umberhine, Ethel	Santa Fe
Van Arsdale, Jonathan	Albuquerque
Venable, Jessie	Albuquerque
Walter, Paul	Albuquerque
Warfield, Carlotta	Santa Fe
Weih, Elsie	Albuquerque
Weisenbach, Estelle	Albuquerque
Westfall, Archie	Albuquerque
White, Mary Elizabeth	Albuquerque
Wiley, Marion	Albuquerque
Williams, Leota	Albuquerque
Willoughby, Roy R.	Albuquerque
Woolman, Benjamin B.	Albuquerque

SPECIAL AND UNCLASSIFIED STUDENTS

Abousleman, Mitchell	Albuquerque
Avery, G. Harold	Albuquerque
Bates, Ray M.	Albuquerque
Beckwith, Catherine	Flagstaff, Arizona

*Auditor.

Boatright, Mrs. Gertrude	Gallup
Boulware, Mary*	Silver City
Bradfield, Mrs. Grace*	Santa Fe
Brossard, May	Albuquerque
Bryson, Dorothy	Albuquerque
Burd, David	Albuquerque
Burt, Marie	Santa Fe
Burwinkle, Leo	Albuquerque
Canfield, Fred W.	Albuquerque
Chadwick, Marcia	Albuquerque
Chastain, James	Seminole, Oklahoma
Chavez, Petrita	Monticello
Clough, Martha*	Elyria, Ohio
Cole, Mrs. Miriam	Albuquerque
Collins, Mrs. Levenia	Albuquerque
Conner, Margaret	Fort Worth, Texas
Corley, Mrs. Sidney	Belen
Cox, Raymond	Albuquerque
Delgado, Mrs. Gertrude	Belen
Deputy, Wynn	Fairbury, Illinois
De Vaney, Tom	Frankfort, Indiana
Douglass, Mrs. Miriam	Albuquerque
Duran, Mrs. Adele	Albuquerque
Fee, Mrs. Rebecca*	Albuquerque
Funk, Helen	Santa Fe
Garing, Rubye	Albuquerque
Gilbert, Mrs. Eleanor*	Albuquerque
Graves, Nelson*	Albuquerque
Helfrich, Bernard	Albuquerque
Herron, Jane	Albuquerque
Hershfield, Harry	Santa Rosa
Hickox, Harry	El Paso, Texas
Hill, Mrs. Elizabeth	Albuquerque
Houghton, Marie*	Greeley, Colorado
Hunter, Harold	Texico
Keech, Roy	Albuquerque
Koch, Mrs. Grace	Albuquerque
Lacy, Lola	Albuquerque
LaNier, Sherman	Albuquerque
McClory, Mrs. Norma	Albuquerque
McDannel, Mrs. Margaret	Albuquerque
McGaughey, Mrs. Myrtle	Correo
Mace, Jesse T.	Albuquerque
Mann, Mrs. Lucy O.	Albuquerque
Marr, Mrs. Florence	Wheaton, Illinois

*Auditors.

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Mulroney, Mrs. Pearl	Albuquerque
Myers, John	Albuquerque
Nordmeyer, Mrs. Helen	Albuquerque
Oxnard, James G.*	Albuquerque
Pacheco, Mrs. C. C.	Peralta
Paradis, Mrs. Bessie*	Albuquerque
Parsons, Mrs. Pemala*	Santa Fe
Payne, Murlin	Mountainair
Pelatowski, Mrs. Myrtle	Albuquerque
Pollock, Mary R.*	Albuquerque
Preece, Norman	Albuquerque
Reiter, Mrs. Anna C.	Santa Fe
Richards, Alice	Albuquerque
Roberson, William	San Francisco, California
Romero, Randolph	Albuquerque
Ruthling, Paul D. R.*	Santa Fe
Sanchez, Beatriz	Albuquerque
Sanchez, Mary M.	Peralta
Saxton, Mrs. Helen	Albuquerque
Schmidt, Caroline	Albuquerque
Schwartz, Mrs. Lucile	Albuquerque
Shaeffer, Agnes T.*	Albuquerque
Shawver, Henry	Albuquerque
Simms, Mrs. Anne	Albuquerque
Smiley, Mrs. Barbara	Albuquerque
Smith, Mrs. Clara S.*	Albuquerque
Smith, Mrs. Emily*	Santa Fe
Smith, Martha*	Santa Fe
Stevens, Mrs. Alice L.*	Albuquerque
Stewart, Edward	Grants
Strand, Alpha	Albuquerque
Swearingen, Mrs. Vera	Albuquerque
Thornton, Mrs. Vivvia*	Santa Fe
Tschohl, Frank	Albuquerque
Turner, Ben A.	Albuquerque
Van Stone, Mrs. Mary	Santa Fe
Vivian, Lexie	Carrizo Springs, Texas
Wandell, Rose	Chicago, Illinois
Ward, Mrs. Helen*	Santa Fe
Warren, Dwight	Albuquerque
White, Eleanor	Deming
Williamson, Virginia Lee	Roswell
Wood, Vera	Albuquerque

*Auditors.

Yott, Mrs. Sarah ----- Albuquerque

Zuber, Thelma ----- Albuquerque

EXTENSION DIVISION

CORRESPONDENCE COURSES

Archer, Mary Lee ----- Santa Rita

Baca, Felida ----- Socorro

Baca, Mrs. Magdalena ----- Des Moines

Baca, Mrs. Ruth M. ----- Peralta

Baca, Rumaldita ----- Socorro

Berlichingen, M. Von ----- Winnipeg, Canada

Berry, Perle ----- Santa Fe

Boardman, Evelyn ----- Farmington

Burt, Nellie S. ----- Hagerman

Calloway, Zella ----- Aztec

Carrasco, Caroline ----- Albuquerque

Clark, C. W. ----- Garfield

Cordova, Horace ----- Jarales

Corn, Poe ----- Roswell

Cox, James ----- Albuquerque

Craft, Ruth ----- Albuquerque

Cunningham, Mrs. Harriet ----- Deming

Curtis, Ward ----- Mountain Park

Davis, Blanche ----- Mountainair

Davis, Gaudalupe ----- Lamy

Delgado, Mrs. Gertrude ----- Belen

Denny, Lela ----- Alamogordo

Doty, Mrs. Maud ----- Albuquerque

Esquibel, Alfonso ----- San Anselmo, California

Ethridge, Mrs. Zola ----- Claunch

Garcia, Virginia ----- Albuquerque

Gassman, Sara ----- Stanley

Gates, Margaret ----- Mountainair

Griffith, W. E. ----- Socorro

Gurule, Faustina ----- Vallecitos

Hague, Donna ----- Crown Point

Halbrooks, Helen ----- Anthony

Harms, Anna ----- Albuquerque

Henaman, Mrs. Jessie ----- Albuquerque

Henry, Kathleen ----- Espanola

Hicks, Alton ----- Estancia

Howell, Anabel ----- Chickasha, Oklahoma

Huntington, Mrs. Mary ----- Chama

Jackson, Annie Laurie ----- Claunch

Jackson, Frank ----- Albuquerque

DIRECTORY OF STUDENTS

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Johnston, Estelle	Jemez Springs
Julian, Hurst R.	Coolidge, Arizona
Keeler, Alleene	Davenport, Iowa
Kelsey, Harold H	Santa Rita
Kerr, Nannie	Albuquerque
LaFollette, A. C.	North Vernon, Indiana
Lee, Philip F.	Albuquerque
Lewis, Jay F.	Los Angeles, California
Loew, Donna M.	Albuquerque
Logue, Helen	Des Moines
Luna, Opal	Santa Rosa
Luna, Sofia	Tularosa
Lynch, Sister Agnes Therese	Penasco
McKenzie, D. A.	Tucson, Arizona
Mace, Mrs. Pearl	Lindirith
Martinez, Andres	Atarque
Mayer, Mrs. Helen	Socorro
Mewborne, Mary	Albuquerque
Miller, J. C.	Lordsburg
Mirabal, Clemencia	Mountainair
Mirabal, Teoleda	Mountainair
Moore, Rosebud	Albuquerque
Morse, Jennie	Zuni
Muller, Catherine	Albuquerque
Noonen, Mary T.	Gallup
Nowlin, Ada	Galisteo
Officer, Mrs. Fannie Belle	Albuquerque
Owen, Marguerite	Albuquerque
Peipelman, Linden	Melrose
Peralta, E. C.	Socorro
Pino, Emily E.	Socorro
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Pyle, S. D.	Arriola, Colorado
Quintana, Natividad	Espanola
Reiter, Herbert	Santa Fe
Rognos, Rand	Devils Lake, North Dakota
Roquemore, Mrs. Lois	Farmington
Salazar, Anita	Espanola
Salazar, Annie	Espanola
Sanchez, Mrs. Rachel	Tularosa
Sanchez, Rafael	Belen
Savedra, Rafaelita	Contreras
Shaffer, Olive	Socorro
Shannon, E. S.	West Hamlin, West Virginia
Sides, Vendla	Floy, Arizona
Sides, Mrs. Viola	Floy, Arizona
Spencer, George R.	Eunice

Stapleton, E. S.	Socorro
Stuart, W. W.	Madrid
Van Scoy, Mary	Fort Wingate
Williams, Ada Hazel	Tatum, Texas
Winn, Mrs. S. H.	Jal
Wright, Helen	Villisca, Iowa

NON-RESIDENCE CLASSES

Abeyta, Alice	Belen
Adorine, Sister M.	Penasco
Apodaca, Miquela	Socorro
Aragon, Flo	Belen
Aragon, Josie	Belen
Aragon, Mary	Belen
Baca, Carlos B.	Belen
Baca, Frank D.	Grants
Baca, Martin	Belen
Baca, Prudence	Grants
Baca, Ruth M.	Belen
Baca, Rumaldita	Socorro
Beadle, Clytie	Socorro
Beckner, Florence L.	Santa Fe
Beaver, Mrs. Lois	Albuquerque
Bradfield, Mrs. Grace	Santa Fe
Branch, Beatrice	Santa Fe
Breckenridge, Mary E.	Santa Fe
Brito, Mary E.	Estancia
Brunell, Horace P.	Estancia
Brunell, Howard W.	Estancia
Butler, Bertha	Estancia
Case, Clara E.	Albuquerque
Chacon, Marcos	Penasco
Chauvenet, William	Santa Fe
Chavez, Barbara	Socorro
Chavez, Blos	Taos
Chavez, Bonifacio	Taos
Chavez, Mrs. Consuelo	Grants
Chavez, Dolores	Santa Fe
Chavez, Elena	Estancia
Cochran, Martha	Santa Fe
Cordova, Horace	Belen
Corley, Mrs. Sidney	Belen
Cox, C. W.	Santa Fe
Crespin, J. E.	Socorro
Cully, Helen G.	Santa Fe
Daley, S. R.	Grants
Dannevik, Mrs. Loraine	Estancia
Dargis, Sister Mercedes	Penasco

Davis, Guadalupe	Estancia
Dean, Ruth	Estancia
Delgado, Mrs. Gertrude	Belen
Diaz, Eladia	Socorro
Dillon, Florence	Santa Fe
Dodds, Mabel L.	Estancia
Dorman, Helen	Santa Fe
Downer, Sister Norena	Penasco
Duran, Lena	Albuquerque
Faris, Mildred T.	Santa Fe
Feldhake, Loretta	Santa Fe
Fenton, Helen	Santa Fe
Finn, Jennie B.	Albuquerque
Foster, Vera	Estancia
Gabaldon, Manuel	Belen
Gallegos, Verna	Estancia
Garcia, Cecilia	Socorro
Garcia, Ignacio	Estancia
Gates, Pauline	Estancia
Giron, Paul	Socorro
Gonzales, Nelson C.	Taos
Gray, Kathryn E.	Taos
Griffith, Ruby	Socorro
Haddock, Mrs. Pearl	Socorro
Hayes, Faye	Estancia
Herrera, Timmy	Albuquerque
Hicks, A. L.	Estancia
Hinman, Mrs. Esperance	Estancia
Holloman, Mrs. Reed	Santa Fe
Howard, Martha B.	Taos
James, Mrs. Lorene	Grants
Jaramillo, Filberto	Socorro
Jones, Hester	Santa Fe
Kegel, Mrs. Lee	Santa Fe
Kilkenny, Adeline	Santa Fe
Knight, Lucy	Santa Fe
Kolb, Lola	Estancia
Koury, Amada	Santa Fe
Laws, Minnie	Estancia
Lehman, Ada	Espanola
Lopez, Isidro	Socorro
Lopez, Pedro	Socorro
Lopez, Rafaelita	Socorro
Loretta, Sister M.	Penasco
Lucero, Marcus	Socorro
Lujan, Clare	Santa Fe
Lujan, Jose Arturo	Santa Fe
Luna, Mrs. Crisostoma	Taos
Luna, Max L.	Taos
Lynch, Mrs. Esther	Santa Fe

McCullough, Frances	Socorro
Madril, Mollie	Santa Fe
Maestas, Lupita	Belen
Mainz, Virginia	Albuquerque
Marsh, Mrs. Pearl	Estancia
Martinez, Adela R.	Taos
Martinez, Andreita	Taos
Martinez, Mary V.	Grants
Mascarenas, David	Penasco
Mascarenas, Elvira	Penasco
Mattingly, Faudelma	Estancia
Mayer, Mrs. Helen	Socorro
Mayer, Victoria C.	Estancia
Meadows, Anna	Estancia
Meadows, Beulah	Estancia
Mendenhall, Mrs. Consuelo	Santa Fe
Mims, Pearl W.	Grants
Montoya, John	Socorro
Moore, Mrs. Hazel	Estancia
Morrow, Mabel	Santa Fe
Moulton, Mrs. Beatrice C.	Santa Fe
Mullen, Flossie	Santa Fe
Napoleon, Josephine	Albuquerque
Oglesby, Dora M.	Santa Fe
Otero, Teresa	Belen
Owens, Mrs. Ruth	Santa Fe
Parsons, Pamela S.	Santa Fe
Pena, Leo	Grants
Peralta, E. C.	Socorro
Pfiester, Eliza	Santa Fe
Pino, Emily	Socorro
Porter, Annie N.	Santa Fe
Prescott, George	Albuquerque
Quintana, Natividad	Espanola
Respondeck, Sister Servatia	Penasco
Rodriguez, Mary	Santa Fe
Romero, Eloisa	Belen
Romero, Mary Eufracia	Belen
Romero, N. C.	Belen
Roybal, Joe L.	Santa Fe
Roybal, Ruby	Santa Fe
Russell, Grace V.	Taos
Sachs, Martin F.	Belen
Sachs, Pilar	Grants
Salazar, Mrs. Anita C.	Belen
Salazar, M. M.	Belen
Salazar, Nica	Belen
Salazar, Pablo	Belen

Sanchez, Alberto	Belen
Sanchez, Alex	Belen
Sanchez, Asteba	Estancia
Sanchez, Aurelio	Belen
Sanchez, Carmen	Estancia
Sanchez, Cosme	Belen
Sanchez, Ernestine	Belen
Sanchez, Esmael	Belen
Sanchez, Mrs. Faustina	Belen
Sanchez, Manuel S.	Belen
Sanchez, Mrs. Pauline	Albuquerque
Sanchez, Rafael	Belen
Sanchez, Rinaldo	Grants
Sanchez, Telesfor	Albuquerque
Sandoval, Frank	Estancia
Sandoval, Thomas	Grants
Scheidemantel, Ethel	Santa Fe
Schmuck, Fred H.	Santa Fe
Seibert, Mrs. Ray	Santa Fe
Senter, Don	Estancia
Senter, Mrs. Florence	Estancia
Sides, Ruby F.	Estancia
Smith, Charles R.	Estancia
Smith, Mrs. Elizabeth	Santa Fe
Smith, Mary M.	Santa Fe
Smith, Mrs. May	Santa Fe
Smith, Truette	Estancia
Stapleton, Ernest	Socorro
Struck, Melton	Taos
Swingle, Mrs. Myrtle	Santa Fe
Terry, Fay E.	Estancia
Tilley, Mary	Estancia
Torres, E. E.	Socorro
Torres, Mrs. Elvira	Taos
Torres, Julia	Socorro
Trujillo, Rafael	Taos
Twyeffort, Walter K.	Estancia
Valencia, Adela	Socorro
Van Dyken, Joan	Santa Fe
Vigil, Dolores	Socorro
Vreeland, Grace	Santa Fe
Walker, Mrs. Claribel F.	Santa Fe
Walter, Esther	Taos
Warfield, Carlotta	Santa Fe
Wasson, Drayton	Estancia
Webb, Gerald P.	Estancia
West, Susie	Santa Fe
White, Mrs. Irene	Socorro
Wilson, Mrs. Dorothy	Santa Fe
Yontz, Mrs. Grace	Santa Fe
Zamora, Mrs. Emma	Belen

SUMMER SESSION, 1932

Abell, Mrs. Beatrice	Belen
Abeyta, Josephine	Albuquerque
Ackerman, Russell E.	Albuquerque
Aguirre, Climaco	Los Lunas
Alcantar, Jose	Albuquerque
Alderete, Frances	Albuquerque
Allemand, Mrs. Sofia	Las Vegas
Ance, Mrs. Ina Mae	Crown Point
Anderman, Eleanor	Albuquerque
Anderson, Laura	Albuquerque
Anderson, Margaret Belle	Belen
Antoine, Helen-Lee	Albuquerque
Apodaca, Miquela	San Antonio
Aragon, Jose	Belen
Aragon, Josie	Belen
Archer, Mary Lee	Santa Rita
Archibeck, Sadie	Albuquerque
Archiveque, Lionel	Algodones
Archuleta, Daniel	Cuba
Archuleta, Henry	Albuquerque
Archuleta, Manuel	Chamita
Arledge, Mrs. Ellen	Albuquerque
Baca, Beatrice	Hot Springs
Baca, Chonita	Armijo
Baca, Dennis F.	Albuquerque
Baca, Gertrude	Albuquerque
Baca, Mrs. Lena	Albuquerque
Baca, Mrs. Magdalena	Clayton
Baca, Ruth Mirabal	Peralta
Baca, Tony R.	Albuquerque
Baker, Arthur	Albuquerque
Baker, James	Albuquerque
Baldwin, Robert L.	Socorro
Barboa, Dora	Pajarito
Barela, Mrs. J. I.	La Joya
Barnes, Lillie Mae	Albuquerque
Barry, Mrs. Esther	Albuquerque
Barth, Benjamin	Albuquerque
Barton, Ray	Raton
Bauer, Leland	Albuquerque
Baxter, Mary Hester	Albuquerque
Beck, Pearl H.	Clovis
Bell, James D.	Lebanon, New Hampshire
Bentley, L. Estelle	Huntsville, Missouri
Berberich, J. William	Washington, D. C.
Bezemek, Marvin	Albuquerque
Bietz, Margaret	Albuquerque
Bigelow, Kathryn	Albuquerque
Bigley, Elizabeth M.	Gallup
Bird, Gertrude	Mentmore
Black, Albert	Albuquerque
Black, Alta Lee	Albuquerque
Black, Helen	Council Bluffs, Iowa

Blakely, R. Keith	French
Blea, Julian L.	Grants
Bloomfield, Melvin	Kirtland
Boardman, Evelyn	Crown Point
Bobo, Mrs. Irma	Albuquerque
Bolar, T. A.	Socorro
Bonar, Roy T.	Albuquerque
Bond, Helen	Carlsbad
Bonner, Tedrowe	Fort Sumner
Booth, Grace Agnes	Tucumcari
Borland, Glenn	Albuquerque
Botts, Mildred	Albuquerque
Bowers, Dell	Albuquerque
Bowers, Nell	Albuquerque
Brazil, Mrs. Marie E.	Scholle
Brewer, Dorothy	Albuquerque
Brewer, Raymond	Albuquerque
Brewster, Mela Sedillo de	Albuquerque
Briscoe, Robert	Tularosa
Brophy, Mrs. Kathleen	Albuquerque
Brown, Mrs. Cora R.	Albuquerque
Brown, L. L.	Portales
Brown, LaVon	Portales
Brown, Ruth O.	Albuquerque
Brownlee, Mary	Santa Fe
Bruce, Richard A.	Vaughn
Brummell, Mrs. Elizabeth G.	Grants
Buck, Lucius	Albuquerque
Bulkley, Alfred H.	Albuquerque
Bullock, Eva-Mae	Portales
Burcham, Carl	Albuquerque
Burd, David C.	Farmington
Burke, Ray G.	Albuquerque
Burt, Nellie Sadie	Albuquerque
Bustamante, Rose	Albuquerque
Butler, Olive A.	Roswell
C. de Baca, Nathaniel	Contreras
Callahan, Lillie	Clayton
Campbell, Grace	Albuquerque
Cantrell, Maxine	Anthony
Carriere, Alice	Albuquerque
Carter, Catherine	Albuquerque
Castetter, Mrs. Ellen	Albuquerque
Castillo, Agida	Belen
Castillo, Margaret	Albuquerque
Castillo, Stella	Belen
Chadsey, Mrs. Hazel I.	Crown Point
Chatham, Annie C.	Whiteriver, Arizona
Chavez, Adela	Albuquerque
Chavez, Adolfo P.	Albuquerque
Chavez, Ralph I.	Belen
Chavez, Rosa	Albuquerque
Chavez, Sarah Mary	Albuquerque
Chavez, Sophia	Cubero

Cheatham, William	Saint Louis, Missouri
Clark, Ben Hardin	Albuquerque
Clouser, Gordon	Santa Fe
Cobos, Dario Ruben	Albuquerque
Cochran, Wilson	Mercer, Pennsylvania
Coffey, L. C.	Albuquerque
Coffman, Addie	Albuquerque
Conley, Ruth Vernita	Albuquerque
Conner, Margaret	Fort Worth, Texas
Conrad, Jean	Santa Fe
Conway, Carroll H.	Des Moines
Cook, Lelia L.	Fort Sumner
Coons, Angela	Albuquerque
Corn, Poe W.	Roswell
Cosner, Pearl	Santa Fe
Costales, Edelmira	Albuquerque
Cox, Tillman A.	Calipatria, California
Craft, Emma Ruth	Albuquerque
Cramer, Carl L.	Albuquerque
Cradall, William	Thomas
Crosno, Donald	Albuquerque
Crosno, Maude	Albuquerque
Cully, Helen G.	Santa Fe
Curtis, Ward W.	Mountain Park
Cutler, Victor H.	Albuquerque
Daley, S. R.	Grants
Dancer, Mrs. Murtel	Hobbs
Daniel, Mrs. Arteola B.	Hobbs
Darr, Walter, Jr.	Socorro
Davies, William P.	Albuquerque
Davis, Blanche D.	Encino
Davis, Mrs. M. Frances	Albuquerque
Davis, Guadalupe	Moriarty
Davis, Josephine	Moriarty
Davy, Margaret	Bernalillo
Dearborn, Frankie G.	Endee
de Busk, Lois Allene	Gallup
Deck, Helen	Albuquerque
De Foor, Irving	Albuquerque
De Graftenreid, Mary Elizabeth	Albuquerque
De Laet, Christine	Latty, Ohio
Delles, Mrs. Beulah	Los Lunas
Dennis, Attie E.	Albuquerque
de Vargas, Quirino	Vallecitos
Devine, Paul J.	Springer
Devine, Vincent	Old Albuquerque
Dice, Mrs. Hazel	Belen
Dillon, Florence	Santa Fe
Diver, Dorothy	Springer
Dorman, Margaret	Detroit, Michigan
Doty, Mrs. Maud Ethel	Albuquerque
Dowdy, Carolyn A.	Seminole, Oklahoma
Dring, Lovilla Ruth	Santa Fe

Drury, Margaret H.	Albuquerque
Duran, Margaret	Albuquerque
Earnhart, M. Lucille	Griggs
Easterday, Margaret	Albuquerque
Edgington, Lucille	Salona
Eilar, Mrs. Bernice	Spiceland, Indiana
Eilar, Loring	Spiceland, Indiana
Eller, Marian	Albuquerque
Elliott, Mrs. Edith	Albuquerque
Elliott, Sidney	Albuquerque
Ely, Albert	Allentown, Pennsylvania
English, Glenneth E.	Carrizozo
Enloe, James Carey	Albuquerque
Esquibel, Alfonso	Albuquerque
Evans, B. Clarence	Mountainair
Evans, James L.	Hale, Missouri
Evett, Leo	Albuquerque
Ezzell, Edna	Albuquerque
Falkenburg, Frank	Albuquerque
Farley, William	Raton
Fenton, Agnes	Albuquerque
Finley, Mrs. Ruth	Gallup
Fisher, Mrs. Jocelyn	Albuquerque
Fite, Sunshine	Magdalena
Fogler, Mrs. Fannie	Billings, Montana
Fox, Vernon S.	Albuquerque
Frank, Alfred O.	Albuquerque
Frank, Claire*	
Fraser, Mrs. Anne Louise	Albuquerque
Frazer, Marian Ann	Albuquerque
Fullerton, Elvina S.	Santa Fe
Gabaldon, Justo Jose	Los Chavez
Gallegos, B. Eraclia	Albuquerque
Gallegos, Mary M.	Albuquerque
Garcia, Archie E.	Clayton
Garcia, Beryl	Albuquerque
Garcia, Mrs. Beulah	Albuquerque
Garcia, Donaldo	Albuquerque
Garcia, Ignacio	Torreón
Garcia, Mrs. Isobel	Peralta
Garcia, Juan	Belen
Garcia, Lou	Albuquerque
Garcia, Margaret	Belen
Garcia, Margaret M.	Belen
Garcia, Melkie	Atarque
Gardner, Esther	Albuquerque
Gassman, Sara	Stanley
Gault, Edith	Denison, Texas
Gault, Vena	Tucumcari
Geake, Douglas	Albuquerque
Gibson, Sister Lorraine	Penasco

*Deceased

Gill, Donald	Albuquerque
Gill, John L.	Belen
Gill, Joseph	Albuquerque
Gillespie, Edward C.	Springer
Gilmore, Garnette	Williamson, West Virginia
Glasgow, James P.	Mayfield, Kentucky
Glasier, Edwin	Norwood, Colorado
Goetz, Amalia	Hot Springs
Gonzales, Adolfo C.	Albuquerque
Gonzales, Eduviges	Lemitar
Gonzales, Inez	Zuni
Gonzalez, Mrs. Jennie	Albuquerque
Gonzalez, Melchora	Carthage
Goodner, Margaret	Estancia
Goodner, Veva	Estancia
Goodwill, E. Louise	Albuquerque
Gould, Helen	Lamy
Graham, Mrs. Mabel	Albuquerque
Grammer, Mrs. Maurine	Albuquerque
Granito, Antoinette	Cerrillos
Gray, Mrs. Queen	Eastland, Texas
Green, Mary Beth	Albuquerque
Greenwald, John L.	Socorro
Griego, Robert	Albuquerque
Griffin, Mildred	Deming
Grinstead, Juanita	Albuquerque
Gurule, Faustina	Vallecitos
Gutierrez, Alice Dolores	Albuquerque
Gutiérrez, Stella	Albuquerque
Gutierrez, Veneranda	Albuquerque
Hafen, Arthur	Saint George, Utah
Hager, Mrs. Nancy Irene F.	Crown Point
Hague, Donna	Crown Point
Halbrooks, Helen	Anthony
Hall, Ethelyn	Albuquerque
Hall, Mrs. Helen Parker	Albuquerque
Hanna, Vera	Albuquerque
Hannett, Margaret	Albuquerque
Harlan, Clara Elizabeth	Tularosa
Harp, Ernest	Artesia
Haskell, Herman	Albuquerque
Hays, P. Elizabeth	Albuquerque
Hazelwood, Stella	Albuquerque
Heath, Fay M.	Gallup
Heller, Emma	Cabezon
Henaman, Mrs. Jessie Lee	Albuquerque
Henderson, Carl E.	Artesia
Hendron, J. W.	Albuquerque
Herby, Vera	Albuquerque

Heringa, Dia Elizabeth	Clayton
Herrera, Demetria	Albuquerque
Herrera, Josefita	Albuquerque
Herrera, Timmy	Albuquerque
Hershfield, Harriet	Albuquerque
Hess, Sarah Ann	Albuquerque
Heyman, Verena	Albuquerque
Hill, Mrs. Elizabeth	Albuquerque
Hill, Mrs. Hazel Holder	Albuquerque
Hill, Kermit	Santa Fe
Hoban, Joseph	Cleveland, Ohio
Hofheins, Leona E.	Pena Blanca
Holmes, Mrs. Rhoda Mae	Albuquerque
Holmes, Mrs. Sarah	Albuquerque
Holmes, Mrs. Saverne Dixon	Albuquerque
Holt, Jackson	Albuquerque
Holt, Russell	Albuquerque
Homan, Lilburn	McIntosh
Hoskins, Harley D.	Albuquerque
Hoyt, Sister M. Aniceta	Albuquerque
Hubbell, Louise	Albuquerque
Huffman, Harold	Albuquerque
Hurt, Bill	Las Vegas
Iden, Chester M.	Albuquerque
Irish, Dorothy	Albuquerque
Israel, T. C.	Cloudercroft
Jackson, Annie L.	Gran Quivera
James, Mrs. Lorene Stagner	Grants
Jameson, Virginia	Estancia
Jaramillo, Beatrice	Grants
Jaramillo, Carmelita	Belen
Jaramillo, Isidro	Belen
Jaramillo, Prospero	Peralta
Jensen, J. K.	Santa Fe
Johnson, Ethel	Carrizozo
Johnston, Mrs. Estelle H.	Jemez Springs
Johnston, Octavia	Albuquerque
Jones, Floyd B.	Albuquerque
Jones, Foy Leon	Floyd
Jones, Verna M.	Albuquerque
Jordi, Rose T.	Albuquerque
Jowell, Attie Clarke	Lovington
Katz, Anna	Albuquerque
Kayser, Margaret E.	Scholle
Keech, Roy A.	Albuquerque
Kellahin, Jason W.	Roswell
Kendrick, Robert C.	Albuquerque
Kincaid, Ralph G.	Albuquerque
King, Mary L.	Houston, Missouri

Knowlton, Doris	Truchas
Koch, Mrs. Grace	Albuquerque
Koch, J. O.	Albuquerque
Koch, Lincoln	Albuquerque
Komadina, Anne	Dawson
Kraxberger, Lydia	Albuquerque
Kuntz, Joseph	Albuquerque
Lacy, Lola	Albuquerque
Landavazo, Boney, Jr.	Magdalena
Landavazo, Fred	Tome
Laney, Carolyn	Lovington
Larson, Bertha Mae	Albuquerque
Lash, Louis Henry	Armijo
Lawrence, Bessie	Albuquerque
Lawrence, Stella	Albuquerque
Lee, Philip	Albuquerque
Leeper, Ruth	Maplewood, Missouri
Lewis, Mrs. Helen M.	Crown Point
Leyba, Simon	Albuquerque
Lieberman, Joseph	Albuquerque
Liser, Francis	Albuquerque
Little, Mrs. Mary Elizabeth	Hatch
Livingston, Fern	Albuquerque
Lochhead, Roy Irving, Jr.	Hagerman
Lockett, Susan Patty	Norman, Oklahoma
Logan, Ralph	Bowling Green, Kentucky
Long, Elizabeth	Van Houten
Lopez, Corinne E.	Old Albuquerque
Low, Mrs. Lorena Carmony	Albuquerque
Lucas, Bert	Albuquerque
Lucero, Tony	Albuquerque
Lujan, Felicitas	Albuquerque
Luna, Anna Marie	Socorro
Lunsford, Dora	Darlington, Florida
Lynch, Sister Agnes Therese	Penasco
Lynch, Nettie	Albuquerque
McAlister, Broda B.	Portales
McAtee, Walter R.	Slaton, Texas
McBride, Manuel B.	Grants
McComas, Eupha Lee	Albuquerque
McDonald, Estelle	Albuquerque
McDowell, Helen	Albuquerque
McGinley, Mrs. May H.	Albuquerque
Montgomery-McGovern, Mrs. J. B.	Albuquerque
McGowan, Gertrude	Albuquerque
McGuire, Emma Lee	Albuquerque
McGuire, Juanita	Albuquerque
McKinley, Howard	Fort Defiance, Arizona
McKnight, Virginia	Albuquerque
MacKay, Roy	Albuquerque
Maddox, Robert Lee	Albuquerque
Madril, Mollie	Lamy
Maldonado, Lupe	La Union

Mallard, J. Willful	Albuquerque
Malone, Bonita	Hot Springs
Maloney, Mrs. Cecelia	Albuquerque
Mangum, Lorena O.	Ramah
Markl, Helen Louise	Roswell
Marquez, Mrs. Petrita	Marquez
Marquez, Santiago	Tome
Marron, Margaret	Albuquerque
Martinez, Albina	Albuquerque
Martinez, Alfredo	Albuquerque
Martinez, Andres	Sandoval
Martinez, Andres A.	Atarque
Martinez, Eli	Albuquerque
Martinez, Mrs. Eloisa	Costilla
Martinez, Mary V.	Grants
Masters, Mrs. Mary J.	Farmington
Masters, Omer P.	Albuquerque
Masters, Paul W.	Albuquerque
Mattix, Jacob	Fort Apache, Arizona
Mauk, Beulah	Taiban
May, Mrs. Belle Harvey	Albuquerque
Mayer, Mrs. Helen	Socorro
Mayfield, Marguerite	Albuquerque
Medley, Ruth L.	Albuquerque
Metzgar, Nina	Armijo
Mewborne, Mary	Albuquerque
Meyer, Frances	Albuquerque
Meyer, John	Albuquerque
Miera, Delfido	Algodones
Milburn, Mrs. Laura R.	Hurley
Miller, J. Cloyd	Las Cruces
Miller, Ruth Gray	Albuquerque
Miller, Verne	Albuquerque
Minton, E. G.	Roswell
Mitchell, George D.	Albuquerque
Montoya, John	Polvadera
Montoya, Joseph L.	Albuquerque
Montoya, Rose G.	Albuquerque
Montoya, Salomon	Turn
Moore, Rosebud	Albuquerque
Moore, Mrs. Violet C.	Albuquerque
Morrison, Mrs. J. H.	Albuquerque
Moulton, Gertrude	Albuquerque
Moya, Benjamin	Grants
Moya, Josephine	Old Albuquerque
Mudgett, Zadah L.	Albuquerque
Muller, Catherine	Albuquerque
Mullison, Mrs. Helen F.	Albuquerque
Munn, Hugh	Albuquerque
Murphy, Florence	Albuquerque
Murphy, Irvin P.	Hope
Napoleon, Josephine	Albuquerque
Napoleon, Marguerite	Albuquerque
Neal, Frank W.	Albuquerque
Nelson, Carl C.	Albuquerque

Nelson, Mrs. Margaret	Albuquerque
Nevarez, Mrs. Louise U.	Albuquerque
Nichols, William	Clovis
Nielsen, Esther	Albuquerque
Nieto, Mrs. Hattie C.	Los Lunas
Nohl, Fred L.	Albuquerque
Nuckles, Willea	Hot. Springs
Oakley, Mrs. Caroline McFatter	Canadian, Texas
Olguin, Jennie	Albuquerque
Olson, Ruth	Albuquerque
Ortega, Juanita	Chimayo
Ortega, Nellie	Albuquerque
Ortega, Sofia	Albuquerque
Ortiz, Petrita	Albuquerque
Ortiz, Reynalda	Santa Fe
Ortiz, Romeo A.	Pena Blanca
Otero, Joe Louis	Los Lunas
Otero, Teresa	Albuquerque
Owen, Jessie Carolyn	Albuquerque
Padilla, Angelina	Albuquerque
Padilla, Lucy	Belen
Palmer, Irma D.	Albuquerque
Parker, Ethel M.	Albuquerque
Parks, M. Aleen	Hope
Partee, Alton D.	Springer
Patterson, Fred L.	Albuquerque
Payne, Reno R.	Mountainair
Pearcy, Mrs. Reba V.	Albuquerque
Pearson, Ruth	Albuquerque
Peebles, Leta Maria	Elida
Peralta, Thomas S.	La Joya
Perce, Emmarie	Albuquerque
Perea, Noe	Sandoval
Perea, Venturita	Sandoval
Pfaff, Eva G.	Gallup
Philbrick, Mrs. Ruth P.	Albuquerque
Phillips, Mrs. Eva Roberts	Old Albuquerque
Pierce, Norman P.	Albuquerque
Pilon, Alice Marie	Blanco
Preece, Norman C.	Worcester, Massachusetts
Preston, Mrs. Esther	Albuquerque
Prevost, Sister M. Aquilina	Santa Cruz
Puccini, Adelina	Albuquerque
Puckett, Corinne C.	Hope
Puckett, J. Marshall	Hope
Quintana, Dora	Albuquerque
Redman, Mrs. Bess	Albuquerque
Reindorp, Reginald C.	Albuquerque
Reiter, Herbert	Santa Fe
Retick, Mrs. Lulu	Albuquerque
Reynolds, J. Franklin	Albuquerque
Rhoades, Nell Snyder	Hanover, Kansas

Richards, Alice C.	Albuquerque
Richards, Fred W.	Gallup
Richardson, J. J.	Deming
Rierson, Ethel Mae	Bellview
Ripple, L. W.	Tucumcari
Rivera, Margaret	Albuquerque
Robbins, Mrs. Aileen	Santa Fe
Robbins, Loyd D.	Santa Fe
Roberson, Lucilester	Clovis
Robinson, D. G.	Cunico
Robinson, Joe D.	Tularosa
Rodarte, Edward	Albuquerque
Romero, Eileen R.	Peralta
Romero, Eloisa	Peralta
Romero, Erlinda	Los Lunas
Romero, S. Madero	Los Lunas
Romero, Rosela	Los Lunas
Rousseau, Mrs. Edna	Santa Fe
Rousseau, Jacqueline	Santa Fe
Rowe, Catherine	Albuquerque
Russell, Chester	Albuquerque

Saavedra, Frances	San Rafael
Sabin, Owen O.	Gallup
Sahd, S. P.	Albuquerque
Salas, Lina	Albuquerque
Salazar, Annie	Albuquerque
Salazar, Herlinda	Albuquerque
Salazar, Rufina	Albuquerque
Sanchez, Adelino	Tome
Sanchez, Alex	Belen
Sanchez, Alfonso	Albuquerque
Sanchez, Anna	Albuquerque
Sanchez, Mrs. Anna P.	Magdalena
Sanchez, Antonia Diaz	Gallup
Sanchez, Barbara	Albuquerque
Sanchez, Barbarita	Belen
Sanchez, Carlotta	Albuquerque
Sanchez, Mrs. Eli	Armijo
Sanchez, Florinda	Albuquerque
Sanchez, Frank	Belen
Sanchez, Gabriela	Albuquerque
Sanchez, Mrs. Henrietta Heller	Albuquerque
Sanchez, Manuel S.	Tome
Sanchez, Prisca	Albuquerque
Sanchez, Rachael	Tularosa
Sanchez, Rita	Albuquerque
Sanchez, Telesfor	Albuquerque
Sandoval, Estella	Albuquerque
Sandoval, Frank	Estancia
Sandoval, Margaret	Albuquerque
Sandoval, Paulita	Cabezon
Sandoval, Thomas	Marquez
Savedra, Rafaelita	Albuquerque
Saxton, M. A.	Albuquerque

Schaefer, Waldemar	Albuquerque
Schickedantz, Mary Elinor	Albuquerque
Schneider, Frances	Albuquerque
Schulz, Mrs. Elsie	Albuquerque
Schumann, Walt	Albuquerque
Schupp, Ona E.	Albuquerque
Scott, Mrs. Lelia	Albuquerque
Sell, Esther	Albuquerque
Sena, Ellen	Albuquerque
Sena, Lucia	Albuquerque
Senter, Mrs. Florence C.	Estancia
Serna, Rafaelita	San Rafael
Seward, Donald E.	Las Vegas
Shacklette, Bennett	Albuquerque
Shacklette, Fred*	
Shacklette, Sam	Albuquerque
Shaffer, Wilma Lorene	Albuquerque
Shahan, Mrs. Ruby E.	Albuquerque
Shallenberger, Edith	Albuquerque
Sharp, Maywood	Albuquerque
Shepard, Katherine	Albuquerque
Sherman, Louise	Albuquerque
Shoemaker, Leona	Albuquerque
Short, Mrs. Geneva	Des Moines
Sieglitz, Frank	Albuquerque
Sienkewicz, Harriet	Chicago, Illinois
Sigler, Charles R.	Albuquerque
Siler, Randolph	Albuquerque
Silver, Mrs. Fern	Albuquerque
Silver, Lela	Albuquerque
Simpson, Chester	Albuquerque
Simpson, Glen E.	Albuquerque
Simpson, Jack L.	Albuquerque
Smellie, Edwin F.	Santa Rita
Smith, B. Adams	Santa Rita
Smith, Dorothe	Grants
Smith, Hazel G.	Menominee, Michigan
Smith, Louise	Albuquerque
Smith, Mrs. May	Santa Fe
Snapp, Edwin R.	Mountainair
Solleder, Sam	Las Cruces
Soto, Mrs. Bennie L.	Albuquerque
Sousea, Mrs. Mamie	Fort Apache, Arizona
Spillers, Lena	Albuquerque
Springer, Fay	Old Albuquerque
Springer, Mrs. Frances	Albuquerque
Stapleton, Ernest	Socorro
Starr, Mildred M.	Lena, Illinois
Stephens, Mrs. Edith L.	Albuquerque
Sterling, Mrs. Ethel	Albuquerque
Stewart, Mary E.	Albuquerque
Stewart, Waueta L.	Albuquerque
Stolte, Stella A.	Cedaridge, Colorado
Strumquist, Niles	Albuquerque
Stuart, Clyde G.	Endee

*Deceased

Stuart, Mrs. Ethel	Endee
Stuart, Mrs. Ruth	Madrid
Stuart, W. W.	Madrid
Stumph, Roy	Albuquerque
Sturgeon, Kate	Albuquerque
Suggs, Dorothy	Albuquerque
Swank, George R.	Albuquerque
Swayne, Mrs. Florence E.	Albuquerque
Swayne, William W.	Albuquerque
Sweeney, Raymond P.	Santa Fe
Taggart, Mrs. Laura E.	Crown Point
Talley, Mrs. Hazle	Albuquerque
Tate, Norvell	Texico
Taylor, Evelyn	Clovis
Taylor, Nadine	Fort Sumner
Taylor, Mrs. Ruth E.	Oklahoma City, Oklahoma
Taylor, Vera	Albuquerque
Tenorio, Tomas	Sandoval
Terrazas, Juana	El Paso, Texas
Thigpen, Eleanor	Grants
Thomas, Francis	Albuquerque
Thompson, M. M.	Logan
Thompson, Velma	Albuquerque
Thomson, Norma	Gallup
Threet, Mrs. Virgil	Roswell
Tietjen, Gladdus	Bluewater
Tinnin, Mrs. Charline	Gallup
Tireman, Mrs. L. S.	Albuquerque
Tolbert, Ruth Ann	Albuquerque
Tompson, Iva R.	Cimarron
Torres, Julia	Socorro
Trafton, Leland S.	Albuquerque
Trafton, Rex B.	Marathon, Iowa
True, M. Austin	House
Trujillo, Eligio	Aragon
Trujillo, Juanita	Dixon
Turner, Dewey	Albuquerque
Turner, Mrs. Lillian	Park View
Turrieta, Olympia	Los Padillas
Umberhine, Ethel	Santa Fe
Valdez, Elizabeth	Albuquerque
Van Arsdale, Jonathan	Sedan
Van Cleave, Marjorie	Albuquerque
Vander Wagen, Gertrude	Farmington
Van Dyken, Joan	Santa Fe
Van Scoyk, Loma	Stanley
Venable, Jessie	Albuquerque
Vergolio, Genevieve	Cerrillos
Vergolio, Julia	Cerrillos
Vigil, Aurora	Socorro
Vigil, Juan	Lemitar
Vigil, Nellie	Moriarty

Villa, Mary	-----	Madrid
Villard, R. L.	-----	Roswell

Wakefield, Mrs. Bernice	-----	Helweg
Wallace, W. B.	-----	Miami
Walsh, Grace	-----	Raton
Walsh, Laurence	-----	Raton
Washburn, Mrs. Lottie	-----	Albuquerque
Watson, Isabel	-----	Bartlesville, Oklahoma
Weatherby, Lela	-----	Holman
Weaver, Alda Mae	-----	Dexter
Weih, Elsie	-----	Albuquerque
Wells, Harriette	-----	Old Albuquerque
Wells, Lorena	-----	Old Albuquerque
Wells, Louise R.	-----	Albuquerque
Wendling, Sister Seraphine Mary	-----	Santa Cruz
Wentworth, Kenneth	-----	Albuquerque
Wentworth, Mrs. Madelyn	-----	Albuquerque
White, Alice Frances	-----	Albuquerque
White, Bessie C.	-----	Towaoc, Colorado
White, Mary Elizabeth	-----	Albuquerque
Whitehill, Harvey	-----	Deming
Whitehill, Olive E.	-----	Deming
Whitted, Roland	-----	Albuquerque
Wiley, Genevieve	-----	Albuquerque
Wiley, Thomas M.	-----	Albuquerque
Williams, Charles	-----	Roswell
Williams, Margaret	-----	Hope
Wilson, Mildred	-----	Albuquerque
Wilson, Wilma R.	-----	Roswell
Winn, Mrs. Amy	-----	Jal
Winn, S. H.	-----	Jal
Wiseheart, James W.	-----	Gallup
Withgott, Margaret	-----	Albuquerque
Woolman, Benjamin B.	-----	Albuquerque
Wootton, Marguerite	-----	Albuquerque
Wurm, William	-----	Gallup

Yearout, Cecelia	-----	Albuquerque
Yontz, Mrs. Grace	-----	Santa Fe

Zeliff, Verr H.	-----	Albuquerque
Zimmerman, Elizabeth	-----	Albuquerque

FIELD SESSIONS

ARCHAEOLOGY

CHACO CANYON RUINS, NEW MEXICO, JULY, 1932

Case, Janet M.	-----	Aztec
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Harding, Mabel V.	-----	San Diego, California
Harwood, Catherine	-----	Pasadena, California
Hutchinson, Marion	-----	West Newton, Massachusetts

Lassetter, Roy, Jr.	Tucson, Arizona
Linkins, John T.	Washington, D. C.
Loomis, Barbara	Colorado Springs, Colorado
Pierce, Sarah Louise	Carlsbad
Reiter, Paul	Santa Fe
Reiter, Mrs. Winifred	Santa Fe
Walter, Paul, Jr.	Albuquerque
Willoughby, Roy R.	Las Vegas
Wilson, Jess Everett	Los Angeles, California
Woods, Janet McClury	Iowa City, Iowa
Woods, Margaret	Iowa City, Iowa

BATTLESHIP ROCK, JEMEZ SPRINGS, NEW MEXICO, AUGUST, 1932

Abbott, Constance	Albuquerque
Adams, Mrs. Jewell	Shawnee, Oklahoma
Bach, Alwina	Portland, Oregon
Backus, Langdon	Brownsville, Maryland
Black, Albert	Albuquerque
Burton, Caroline	Galveston, Texas
Burton, Marjorie	Galveston, Texas
Cahill, Edgar D.	Saint Louis, Missouri
Case, Janet M.	Aztec
Chatham, Annie C.	Whiteriver, Arizona
Childers, Katherine	Albuquerque
Cochran, Wilson	Mercer, Pennsylvania
Corbett, John	New York, New York
De Laet, Christine	Latty, Ohio
Denison, Henry	San Diego, California
Dittmer, Howard	Pekin, Illinois
Ely, Albert	Allentown, Pennsylvania
Esquibel, Alfonso	Albuquerque
Ferdon, Edwin	Coshocton, Ohio
Fogler, Mrs. Fannie	Billings, Montana
Harley, Marjorie	New York, New York
Heath, Fay M.	Gallup
Hilton, Dorothea	Claremont, California
Hilton, William	Claremont, California
Hopkins, Mrs. Katherine	Albuquerque
Howard, Mrs. Clarissa B.	Albuquerque
Keech, Roy A.	Albuquerque
Keenan, Julia	Berkeley, California
King, Bernice	Minneapolis, Minnesota
Kirk, William	Claremont, California
Leinau, Alice	Riverside, California
Linkins, John T.	Washington, D. C.

Long, Elizabeth	Van Houten
Loos, Mary Anita	Pacific Palisades, California
McDonald, Estelle	Albuquerque
McWethy, John	Aurora, Illinois
Mohr, Louise M.	Winnetka, Illinois
Moroney, William M.	Beardsley, Minnesota
Mullison, Wendell	Albuquerque
Newton, Dorothy	West Newton, Massachusetts
Norton, Mrs. Hazel	Shawnee, Oklahoma
Peterson, Lillian	Long Beach, California
Pleasant, Nellie	Palo Alto, California
Presler, Francis	Hubbard Woods, Illinois
Ramsey, Anne M.	Santa Fe
Reilly, Edward B.	New York, New York
Rousmaniere, Mary	New York, New York
Seth, James	Santa Fe
Sommer, Frank	Washington, D. C.
Swayne, William W.	Albuquerque
Trowbridge, Elvira	Bedford Hills, New York
Wagner, Sallie	Wheeling, West Virginia
Walker, Margaret E.	Chester, Pennsylvania
Walter, Paul, Jr.	Albuquerque
White, Mella	Portland, Oregon
Willoughby, Roy R.	Las Vegas
Wood, Mrs. Lucille	Cleveland, Ohio

ART

TAOS, NEW MEXICO, JUNE, 1932

Brown, Mrs. Marie	Mountain Lakes, New Jersey
Douglass, Ralph W.	Albuquerque
Drysdale, Mrs. Marie	Roswell
Finn, Jennie Brooke	Albuquerque
Goodwin, Helen Louise	Roswell
Gribbroek, Robert C.	Isleta
Holland, Lorena	Hurley
Kusianovich, Daniel A.	Fort Stanton
McSpadden, Maxine Zoe	Albuquerque
Patterson, Patty	Oklahoma City, Oklahoma

Spiegel, Dorothy ----- Indianapolis, Indiana
Swearingen, Mrs. Vera ----- Albuquerque

INDIAN ART SCHOOL, SANTA FE, NEW MEXICO, AUGUST, 1932

Benedict, Paul ----- Poughkeepsie, New York
Blecha, Margaret ----- Redlands, California
Burton, Mrs. Henrietta ----- Salt Lake City, Utah
Faris, Mrs. Mildred ----- Santa Fe
Gurnette, Josephine ----- Sacramento, California
Kirsch, Frederick ----- Lincoln, Nebraska
Malm, Sibyl Mercedes ----- Glen Lake, Minnesota
Marmon, Miriam ----- Laguna
Robinson, Mary ----- Chattanooga, Tennessee
Spalsbury, Margaret ----- Lawrence, Kansas

BIOLOGY

BATTLESHIP ROCK, JEMEZ SPRINGS, NEW MEXICO, AUGUST, 1932

Agrelius, Frank ----- Emporia, Kansas
Backus, Langdon ----- Brownsville, Maryland
Bentley, L. Estelle ----- Huntsville, Missouri
Cole, Elizabeth ----- Philadelphia, Pennsylvania
Conley, Ruth Vernita ----- Albuquerque
Cox, A. Tillman ----- Calipatria, California
Elliott, Mrs. Edith Lindy ----- Albuquerque
Glass, J. T. ----- Kerens, Texas
Gonzalez, Adolfo C. ----- Albuquerque
Lochhead, Roy Irving, Jr. ----- Hagerman
Mullison, Mrs. Helen ----- Albuquerque
Rousseau, Jacques ----- Montreal, Canada
Sabin, M. C. ----- Albuquerque
Smith, Mrs. Elizabeth L. ----- Santa Fe
Wurm, William Albert ----- Gallup

SUMMARIES AND STATISTICS

ENROLMENT

	Men	Women	Total
First and Second Semesters, 1932-1933:			
College of Arts and Sciences -----	334	152	486
College of Education -----	97	294	391
College of Engineering -----	129		129
Graduate School -----	53	76	129
Special and Unclassified -----	31	64	95
Totals -----	644	586	1,230
Extension Division:			
Correspondence Courses -----	29	64	93
Non-resident Classes -----	59	130	189
Totals -----	88	194	282
Summer Session, 1932 -----	234	435	669
Field Sessions, 1932:			
Chaco—Archaeology -----	6	9	15
Jemez—Archaeology -----	24	33	57
Jemez—Biology -----	9	6	15
Taos—Art -----	3	9	12
Santa Fe—Indian Art -----	2	8	10
Totals -----	44	65	109
Totals -----	1,010	1,280	2,290
Less Duplicates -----			361
Net Total -----			1,929
Total enrolment, first semester -----		1,063	
Total enrolment, second semester -----		988	
Total for year -----			2,051
Less duplicates (students enrolled both semesters) -----			821
Total different persons registered -----			1,230

ENROLMENT BY CLASSES

Freshmen -----	204	144	348
Sophomores -----	152	108	260
Juniors -----	109	115	224
Seniors -----	95	79	174
Graduates -----	53	76	129
Special and Unclassified Students -----	31	64	95
Totals -----	644	586	1,230

DISTRIBUTION OF STUDENTS BY STATES AND COUNTIES

(First and Second Semesters, 1932-1933. Does not include Extension Division, Summer Session, or Field Sessions.)

NEW MEXICO (Counties)

Bernalillo	785	Mora	1
Catron	1	Otero	11
Chaves	16	Quay	13
Colfax	29	Rio Arriba	6
Curry	13	Roosevelt	5
De Baca	8	Sandoval	4
Dona Ana	8	San Juan	8
Eddy	10	San Miguel	10
Grant	11	Santa Fe	47
Guadalupe	2	Sierra	7
Harding	2	Socorro	3
Hidalgo	2	Taos	9
Lea	3	Torrance	20
Lincoln	11	Union	4
Luna	8	Valencia	39
McKinley	9		
Total from New Mexico			1,105

OTHER STATES

Arizona	3	Nebraska	1
Arkansas	1	New Hampshire	2
California	20	New Jersey	2
Colorado	8	New York	3
Florida	1	Ohio	6
Illinois	15	Oklahoma	11
Indiana	5	Pennsylvania	5
Iowa	1	Tennessee	3
Kansas	9	Texas	10
Louisiana	1	Virginia	1
Maryland	1	West Virginia	1
Massachusetts	2	Wisconsin	1
Michigan	3	Wyoming	1
Minnesota	1	Washington, D. C.	1
Missouri	5		
Total from other states			124

FOREIGN COUNTRIES

Mexico	1
Total	1,230

PRIZES, AWARDS, AND SCHOLARSHIPS

THE C. T. FRENCH MEDAL FOR SCHOLARSHIP

JEAN MCGILLIVRAY

THE GEORGE E. BREECE PRIZE FOR EXCELLENCE IN
ENGINEERING

STANLEY OTIS FISH

THE KATHERINE MATHER SIMMS AWARD

NELLIE CLARK

THE MARIAN COONS KINDNESS AWARD

BETH GILBERT

THE HARRY L. DOUGHERTY AWARD

CHARLES GULETTE MUIR

THE OREN W. STRONG AWARD

VERNE CHARLES MILLER

THE CHARLES FLORUS COAN AWARD

LEO EVETT

THE ROSE RUDIN ROOSA MEMORIAL AWARD

ROBERT ANTHONY CHACON

THE PHIL S. BENNETT PRIZE

ELIZABETH BELLE LONG

THE CHI OMEGA PRIZE IN ECONOMICS

DELIGHT KELLER

THE ALPHA CHI OMEGA PRIZE IN MUSIC

MILDRED BOTTS

THE SIGMA TAU MEDAL

HAROLD EARL PEARSON

THE NEW MEXICO SECTION OF THE AMERICAN SOCIETY OF
CIVIL ENGINEERS AWARD

MAURICE CARL LIPP

THE IVES SCHOLARSHIPS

PAULINE R. CARNES

ROSA A. CHAVEZ

NELLIE ORTEGA

THE ALFRED GRUNSFELD MEMORIAL FOUNDATION

GORDON CLOUSER

GARTH BLAKELY

THE MIRIAM N. GRUNSFELD SCHOLARSHIPS

NORMA MURRAY THOMSON

KATHLEEN CALAHAN

THE C. M. T. C. SCHOLARSHIP

RALPH GALLEGOS

THE SAN JOSE SCHOLARSHIPS OF THE COLLEGE OF
EDUCATION

ELIAS ATENCIO

ARCHIE GARCIA

ALFREDO GALAZ

FERNANDO SALAZ

THE RHODES SCHOLARSHIP

CRITCHELL PARSONS

DEGREES CONFERRED JUNE 6, 1932

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

	MAJOR	MINOR
Ruth Elizabeth Applegate	History, Archaeology and Anthropology	English
Margaretta Barr	English	History
Marvin Edward Bezemek	Economics	History
Reese Cagle	Economics	History
Robert Cisco	Economics	Geology
Nellie Clark	English	French
Curtis Craig Coe	Economics	English
Clifford E. Dinkle	Economics	Political Science
Riley Kenneth Edwards	Economics	Political Science
James Carey Enloe	Spanish	English, Political Science
Dorothy Margaret Fell	Art	English
Margaret Hall Foraker	Archaeology and Anthropology	English
Wesley M. Foster	Economics	Political Science
Harold Russell Goff	History	Political Science
Fay M. Heath	Archaeology and Anthropology	Art
William Howden	History	Archaeology and Anthropology
J. O. Koch	History	Political Science, Economics
Peter McAtee	Economics	History
Alice McCormick	Archaeology and Anthropology	Spanish
Archie Mitchell McDowell	History	Political Science
Jean McGillivray	Spanish, Archaeology and Anthropology	French
Jessie Ann McGillivray	History	Archaeology and Anthropology
Scott Harvey Mabry	Economics	History
Katherine Martin	History	English
Byrnes O. May	Geology	Economics
William Cochrane Meyers	English	Economics
Richard Milner	History	English
Juan Nuanes	Economics	Spanish
Fanny Bell Wittwer Officer	Spanish	Home Economics

Thomas Osuna	Economics	French
Critchell Parsons	Economics	Geology
Alfred Seery	Economics	Archaeology and Anthropology
Jeffie Winifred Sharp	History	Voice
Thomas Taggart	History	Political Science
Jose Garcia Villa	English	Biology-Chemistry
Archie Westfall	Economics	Political Science
Morgan White	History, Economics	

BACHELOR OF SCIENCE

	MAJOR	MINOR
Jean Juliette Berry	Chemistry	Biology, Piano
Beth Gilbert	Biology	Home Economics
Ofimiano Gutierrez	Geology	Spanish
Ernest Harp	Mathematics	Physics
Carl R. Jensen	Chemistry, Biology	
Johnaphine Ann Luckett	Biology	Psychology
Frank Neal	Geology	Chemistry
Dorothy Pomerenk	Biology	Art

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

	MAJOR	MINOR
Grace LeMaster Brandebury	Spanish	English
Lena Chacon	Spanish	History
Van Deusen Clark	English	Philosophy
Helen Letha Compton	History	Political Science
Mary Katherine Connell	English	French
Ralph Coombs	Public School Music	Chemistry
Dionisio Costales	Spanish	French
Dorothy Aileen Cottrell	History	English
Nellie Draper	Public School Music	Voice
Velma Farr	Economics	History
Gustavo Galaz	Spanish	History
Magdalene Greenwald	Spanish	French
Katherine Hammock	Spanish	French
Vera Herby	History	Home Economics
Delight Keller	Economics	French, Psychology, English

Margaret Livingston	Public School Music	English
Wilma Lusk	English	Public School Music
Mary Louise McConnell	English	History
Harriet Marron	English	Piano, French
Ruth Agnes Melton	Latin	History
Mary Ruth Palmer	Public School Music	Voice
Cora Small Parker	Public School Music	Applied Music
Elisabeth Scheele	Psychology	English
Millicent Smathers	Spanish	English
Edwin Snapp	English	Spanish
Edna Soell	History	English
Frances E. Stanfill	History	Home Economics
Ruth Irvine Taylor	Spanish	French, History
Elias W. Telles	Spanish	Mathematics

BACHELOR OF SCIENCE IN EDUCATION

	MAJOR	MINOR
John Lee Briscoe	School Administration	History
Miles Cureton	School Administration	English
Ora Fitzgerald	Elementary Supervision	Biology
Mildred Parenteau	Biology	Physical Education

COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Charles Warren Cross	Maurice Carl Lipp
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BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Cecil Lee Moyes	Homer Neil Phillips
John Officer	Roy Allen Stamm
Robert M. Officer	Sinesio A. Torres
Marion A. Perce	Harold Aaron Wood
	Marshall J. Wylie

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Stanley Otis Fish	Ancel Wooten Francis
	Henry Mendenhall

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

James L. Redmond

GRADUATE SCHOOL

MASTER OF ARTS

	MAJOR	MINOR
Wallace Bisbee	Geology	
Katherine Diana Brown	History	Education
Lena Dingman Dargan	History	English
Lolita Huning Pooler	Spanish	English
Bonnidell Roberts	English	
Zella Shy	English	
Mildred Starr	Educational Psychology	History
Raymond Stuart	Economics	
Stella Swank	Educational Psychology	History
Gordon Vivian	Archaeology	Anthropology

DEGREES CONFERRED JULY 30, 1932

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

	MAJOR	MINOR
John Tedrowe Bonner	Economics	Archaeology and Anthropology
Mildred Botts	Piano	French
Mary Tandy Brownlee	Archaeology and Anthropology	History
Sarah Ann Hess	English	Biology
Helen Louise Markl	English	Archaeology and Anthropology
Jessie Carolyn Owen	English	History
Thomas M. Wiley	History	English

BACHELOR OF SCIENCE

	MAJOR	MINOR
William Parvan Davies	Chemistry	Physics
John L. Greenwald	Biology	Chemistry

COLLEGE OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

	MAJOR	MINOR
Beatrice Baca	Psychology	Spanish
Poe W. Corn	Economics	Physical Education
Juanita Grinstead	Spanish	Latin
Helen Parker Hall	English	History
Glen Simpson	History	English
Waueta L. Stewart	Mathematics	Economics

BACHELOR OF SCIENCE IN EDUCATION

	MAJOR	MINOR
Anne Louise Fraser	General Education	Home Economics
Leland S. Trafton	School Administration	English

COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Martin Austin True

GRADUATE SCHOOL

MASTER OF ARTS

	MAJOR	MINOR
Forrest John Adams	Psychology	Education
Roy Thomas Bonar	Spanish	Psychology
Kathleen Brophy	English	History
Margaret Dorman	Archaeology and Anthropology	Psychology
G. L. Fenlon	History	Education
Harriett Henry	Biology	
Louis Hernandez	Spanish	
C. H. S. Koch	Psychology	
Roy MacKay	Mathematics	Education
Harry Mauger	Chemistry	
J .B. Montgomery-McGovern	Archaeology and Anthropology	
Henry C. Morehead	Education	History
Nell Snyder Rhoades	English	
John Russell	Political Science	History
Paul Russell	Biology	
George R. Swank	Biology	Geology
Ruth Ann Tolbert	History	

DEGREES CONFERRED AUGUST 31, 1932

COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS

	MAJOR	MINOR
Janet M. Case	Archaeology and Anthropology	Biology
Alfonso Esquibel	Spanish	Archaeology and Anthropology
Roy Irving Lochhead, Jr.	Spanish	French
Rosebud Moore	Spanish	Latin, French

BACHELOR OF SCIENCE

	MAJOR	MINOR
Herbert Campbell Reiter	Biology	Archaeology and Anthropology
William Albert Wurm	Biology	Chemistry

COLLEGE OF EDUCATION

BACHELOR OF SCIENCE IN EDUCATION

	MAJOR	MINOR
Mary Jane Cowan	Home Economics	Art
Mary Mewborne	Biology	Archaeology and Anthropology

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

	MAJOR	MINOR
Jay Frederick Lewis	Physical Education	English

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