

THE UNIVERSITY OF IDAHO BULLETIN

VOL XXIII

No. 16

ANNUAL CATALOG

1927-1928

With Announcements for 1928-29

MAY, 1928

PUBLISHED QUARTERLY BY THE UNIVERSITY OF IDAHO

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Under Act of July 16, 1894.

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Thirty-Sixth Annual

Catalog

of the

University of Idaho

With Announcements for 1928-1929

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1928							CALENDAR							1928													
JANUARY							FEBRUARY							MARCH							APRIL						
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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22	23	24	25	26	27	28	19	20	21	22	23	24	25	26	27	28	29	30	31								
29	30						26	27	28	29	30	31															

CALENDAR OF THE UNIVERSITY

FIRST SEMESTER

1927-28

1927	
Sept. 12, 13, 14	Entrance Examinations at Moscow
Sept. 13	First Faculty Meeting
Sept. 14, 15	Freshman Matriculation
Sept. 16, 17	Registration Days
Sept. 19	All University Exercises begin
Oct. 1	Last Date for Change of Study-List and Change of Curricula
Oct. 8	Final Date for Removal of Conditions and Incompletes
Oct. 26	School of Practical Agriculture begins
Oct. 26	Commercial Dairying Course begins
Oct. 26	Auto Mechanics Course begins
Nov. 11	Armistice Day (holiday)
Nov. 24-27	Thanksgiving Recess (dates inclusive)
Dec. 21	Christmas Vacation begins, noon

1928

Jan. 5	Christmas Vacation ends, 8:00 a. m.
Jan. 5	School of Practical Agriculture, second term, begins
Jan. 5	Auto Mechanics Course, second term begins
Jan. 19	Commercial Dairying Course, second term, begins
Jan. 30-Feb. 4	First Semester Examinations (dates inclusive)

1928-29

1928	
Sept. 10, 11, 12	
Sept. 11	
Sept. 12, 13	
Sept. 14, 15	
Sept. 17	
Sept. 29	
Oct. 6	
Oct. 29	
Oct. 29	
Oct. 29	
Nov. 12	
Nov. 29-Dec. 2	
Dec. 21	

1929

Jan. 7	
Jan. 7	
Jan. 7	
Jan. 21	
Jan. 26-Feb. 2	

SECOND SEMESTER

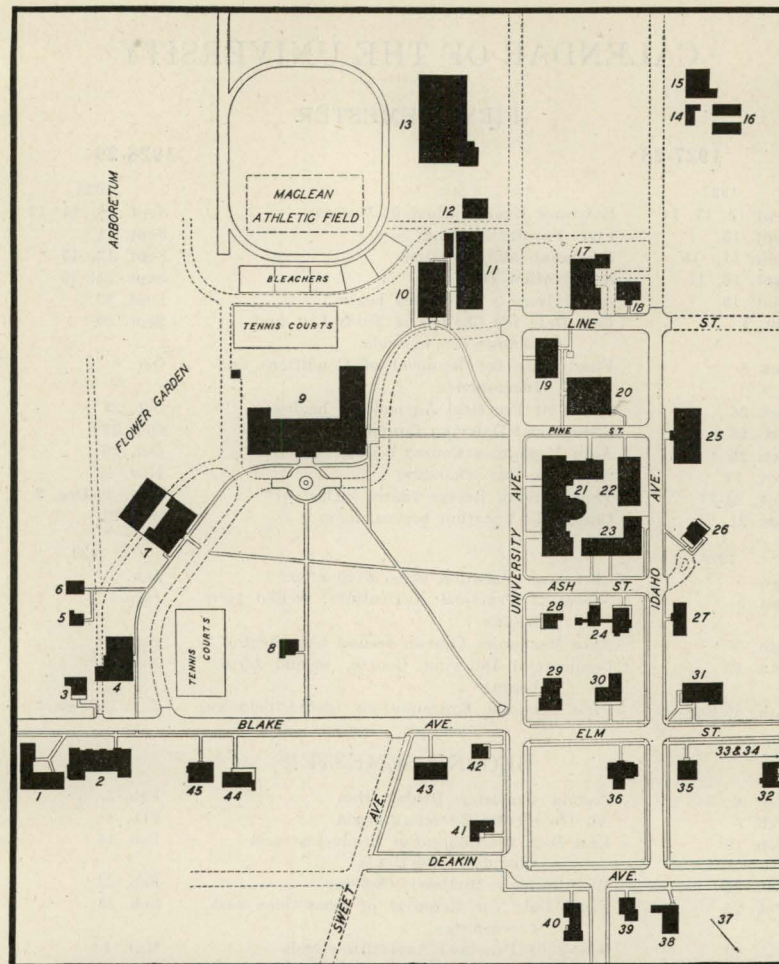
Feb. 6, 7	Second Semester Registration
Feb. 8	All University Exercises begin
Feb. 18	Last Date for Change of Study-List and Change of Curricula
Feb. 22	Washington's Birthday (holiday)
Feb. 25	Final Date for Removal of Conditions and Incompletes
Feb. 29	School of Practical Agriculture ends
Feb. 29	Auto Mechanics Course ends
Mar. 28	Creamery Course ends
April 6-9	Easter Recess (dates inclusive)
May 24, 25, 26	Entrance Examinations at County Seats
May 28	Nine-Week Summer School begins
May 30	Memorial Day (holiday)
June 4-9	Second Semester Examinations
June 11	Commencement

Feb. 4, 5	
Feb. 6	
Feb. 16	
Feb. 22	
Feb. 23	
Mar. 1	
Mar. 1	
Mar. 29	
Mar. 29-Apr. 1	
May 23, 24, 25	
May 27	
May 30	
June 3-8	
June 10	

SUMMER SCHOOL

June 11	Six-Week Summer School Registration
June 12	Six-Week Summer School Classes begin
July 4	Independence Day (holiday)
July 20	Six-Week Summer School ends
July 27	Nine-Week Summer School ends

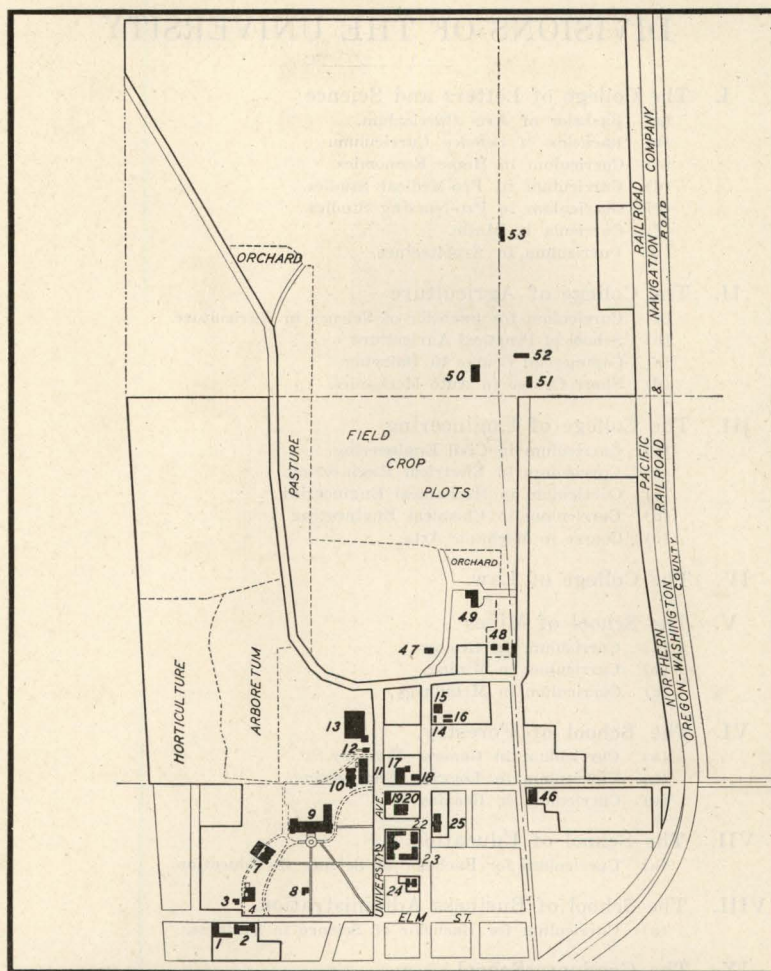
June 10	
June 11	
July 4	
July 19	
July 26	



THE CAMPUS OF THE UNIVERSITY

(As Approached from the East, Which is the Down-Town Side)

- | | | |
|-------------------------|------------------------|-------------------------|
| 1. Hays Hall | 16. Seed House | 31. Beta Theta Pi |
| 2. Forney Hall | 17. Service Building | 32. Alpha Chi Omega |
| 3. Center Cottage | 18. Dairy Building | 33. Lambda Chi Alpha |
| 4. Ridenbaugh Hall | 19. U. Hut; Postoffice | 34. Pi Sigma Rho |
| 5. Bartley Cottage | 20. Metallurgical Lab. | 35. Delta Gamma |
| 6. Music Hall Annex | 21. Science Hall | 36. Phi Delta Theta |
| 7. Engineering Bldg. | 22. Geology Building | 37. Tau Kappa Epsilon |
| 8. Music Hall | 23. Lindley Hall | 38. Pi Beta Phi |
| 9. Administration Bldg. | 24. Infirmary | 39. Omega Alpha |
| 10. Old Gymnasium | 25. Morrill Hall | 40. Sigma Alpha Epsilon |
| 11. Lewis Court | 26. Beta Chi | 41. Kappa Alpha Theta |
| 12. Jenkins Cottage | 27. Sigma Chi House | 42. Delta Chi |
| 13. Memorial Gymnas'm | 28. Alpha Tau Omega | 43. Kappa Sigma |
| 14. Storage Bldg. | 29. Phi Gamma Delta | 44. Sigma Nu |
| 15. Greenhouse | 30. Kappa Kappa Gamma | 45. Gamma Phi Beta |



THE CAMPUS AND FARM

The scope of the College of Agriculture and of the home plant of the Experiment Station is here revealed. Buildings are numbered as on the opposite page. Fraternity and sorority houses are omitted. Additional buildings are: 46. Heating Plant; 47. Stock Judging Pavilion; 48. Poultry Plant; 49. Dairy Barn; 50. Beef Cattle Barn; 51. Sheep Barn; 52. Horse Barn; 53. Swine Barn. A recent 247-acre addition to the farm lies on the opposite side of the railroads, at the right. A 27-acre addition to the forest nursery and arboretum is southeast of the campus.

See under College of Engineering for a perspective sketch of the Engineering Laboratories, occupying six acres in addition to the area shown on these maps.

DIVISIONS OF THE UNIVERSITY

- I. The College of Letters and Science
 - (a) Bachelor of Arts Curriculum.
 - (b) Bachelor of Science Curriculum.
 - (c) Curriculum in Home Economics.
 - (d) Curriculum in Pre-Medical Studies.
 - (e) Curriculum in Pre-Nursing Studies.
 - (f) Curricula in Music.
 - (g) Curriculum in Architecture.
- II. The College of Agriculture
 - (a) Curriculum for Bachelor of Science in Agriculture.
 - (b) School of Practical Agriculture.
 - (c) Commercial Course in Dairying.
 - (d) Short Course in Auto Mechanics.
- III. The College of Engineering
 - (a) Curriculum in Civil Engineering.
 - (b) Curriculum in Electrical Engineering.
 - (c) Curriculum in Mechanical Engineering.
 - (d) Curriculum in Chemical Engineering.
 - (e) Course in Mechanic Arts.
- IV. The College of Law.
- V. The School of Mines
 - (a) Curriculum in Geology.
 - (b) Curriculum in Mining.
 - (c) Curriculum in Metallurgy.
- VI. The School of Forestry.
 - (a) Curriculum in General Forestry.
 - (b) Curriculum in Logging Engineering.
 - (c) Curriculum in Grazing.
- VII. The School of Education.
 - (a) Curriculum for Bachelor of Science in Education.
- VIII. The School of Business Administration.
 - (a) Curriculum for Bachelor of Science in Business.
- IX. The Graduate School.
- X. The Agricultural Experiment Station.
 - (a) Home Station (Moscow).
 - (b) Aberdeen Substation.
 - (c) Caldwell Substation.
 - (d) High-Altitude Substation (Felt).
 - (e) Sandpoint Substation.
- XI. The Forest Experiment Station.
- XII. University Extension.
 - (a) Agricultural and Home Economics Extension.
 - (b) Non-Resident Instruction.
- XIII. The Summer School.
- XIV. Southern Branch at Pocatello.

THE UNIVERSITY OF IDAHO

THE UNIVERSITY OF IDAHO was established and is maintained by the commonwealth of Idaho for the training of her future citizens to their highest usefulness in private life and public service.

Established originally at Moscow by the founders of the state, the University has been enlarged in its scope by subsequent legislative and administrative acts until it includes not only the Main Campus at Moscow but the Southern Branch at Pocatello; experimental farms at Moscow, Sandpoint, Caldwell, Aberdeen, and Felt; agricultural and home economics extension offices in Boise, Pocatello, Burley, and Moscow; laboratories in Boise and Parma; extension service and field experimentation in many counties; instruction by correspondence; summer schools in Moscow, Pocatello, and Boise; and a wide range of public service in forestry, mining, engineering, business, education, law, and the arts and sciences, touching most of the industries and professions of the state. Adults as well as the younger generation are thus increasingly aided by the University's ministrations.

High-school graduates may enter the University either at Moscow or at Pocatello and may complete on either campus the freshman and sophomore years of a four-year college course. Undergraduate work on the Main Campus at Moscow is administered by eight schools and colleges: the College of Letters and Science, the College of Agriculture, the College of Engineering, the College of Law, the School of Mines, the School of Forestry, the School of Education, and the School of Business Administration. These offer the Bachelor of Arts and Bachelor of Science degrees and special baccalaureate degrees appropriate to their particular fields. There is also the Graduate School, offering studies for the master's degree in nearly all the thirty-nine departments of University instruction.

Freshman and sophomore years of work for any of the schools and colleges on the Main Campus may be taken at the Southern Branch, the student then transferring to Moscow for the junior and senior years. The Southern Branch also conducts a three-year course in Pharmacy, leading to the degree of Graduate Pharmacist. It offers also certain two-year Completion Courses for high-school graduates who desire only two years of college work and are not candidates for degrees.

Short courses of various sorts are given both at Moscow and at Pocatello.

University enrolment for the current year is approximately 3400, including all students in regular and special courses on the Main

Campus, correspondence students, summer school students of last summer, and approximately 800 at the Southern Branch. Tables of enrolment will be found in the back of the catalog.

The faculty on the Main Campus is made up of 146 persons—the president, 12 deans and directors, 29 professors, 17 associate professors, 42 assistant professors, 34 instructors, and 12 full-time assistants. There is also a faculty of 43 at the Southern Branch. Besides these the University personnel includes the administrative officers, library staff, graduate assistants, undergraduate assistants, and agricultural research specialists. In addition, the Agricultural Extension Division numbers on its staff 47 persons, including 14 specialists and administrators and 33 county and district extension agents.

Thirty-eight buildings, on the Main Campus and college farm of 723 acres, provide accommodations for instruction, experimentation, and the housing of students. On the campus proper of 40 acres there are 14 major buildings. The Southern Branch campus comprises 25 acres, on which are 15 buildings.

Both at Moscow and at Pocatello special accommodations are provided for housing all out-of-town students. The University has on the Main Campus two large residence halls for young women and two for young men. There are also several smaller cottages. Twenty fraternities and sororities have houses adjacent to the campus. At the Southern Branch the University has two dormitories for young men and two for young women.

Graduates of accredited four-year high schools are eligible for admission to the University, either on the Main Campus or at the Southern Branch, in accordance with requirements stated on page 19 and following.

Expenses are lower than at many other state universities. There is no tuition fee for residents of the state. Other fees are kept as low as compatible with services a university is expected to give. The largest items of expense are for board, room, and clothing. Detailed estimates will be found on page 26 and following.

GROWTH OF THE UNIVERSITY

While Idaho was yet a territory, with a population of only 88,000 persons scattered over its 84,313 square miles of mountain, valley, and plain, the University of Idaho was established. This was done in 1889, by act of the Fifteenth Territorial Legislature, approved on Jan. 30 of that year.

That Idaho, a growing commonwealth, was to need a growing University, was the faith of those early founders. For, "as soon as the income of the University will allow," they wrote, "in such order as the wants of the public shall seem to require, the said courses in the

sciences and their application to the practical arts shall be expanded into distinct colleges of the University, each with its own faculty and appropriate title."*

How the University of Idaho has grown, in size, in strength, in influence, and in scholastic achievement, even surpassing if possible the vision of its founders—this is the story of its development. It has been a growth in keeping with the progress and needs of a young state, whose population has increased six-fold in the thirty-eight years, while popular interest in higher education has grown in Idaho as it has in the country at large.

Adoption of the state constitution in November, 1889, confirmed the establishment of the University and its location at Moscow. Fifteen thousand dollars had been appropriated to supply a site and building plans, and a tax for a building fund had been levied. Taxation income accumulated slowly, however, and it was Oct. 3, 1892, before the University opened for its first academic year. J. H. Forney of Moscow, a regent, who had been designated president for the period of organization, introduced to the campus the first president, Franklin B. Gault.

"Oct. 3, 1892, the institution opened in the unfinished and unfurnished wing of the main building, which stood in the midst of a plowed field, with a faculty of one professor and the president, without a book or a piece of apparatus of any sort, without a student of college grade, with about 30 students in the preparatory school, some of whom had come long distances to enter the institution and were barely able to write their names."†

July 11, 1891, while the University was still only a name, the board of regents voted to ask establishment of an agricultural experiment station and to meet other requirements by which federal funds could be made available. Dec. 30, 1891, they established "a college or department of arts, embracing mathematics, mechanics, and

*The Act of 1889, by which the University was established, read in part as follows:

"There is hereby established in this Territory, at the town of Moscow, in the county of Latah, an institution of learning by the name and style of 'The University of Idaho.' * * *

"The College or Department of Arts shall embrace courses of instruction in mathematical, physical, and natural sciences, with their application to the industrial arts, such as agriculture, mechanics, engineering, mining and metallurgy, manufactures, architecture, and commerce; and such branches included in the College of Letters as shall be necessary to proper fitness of the pupils in the scientific and practical courses for their chosen pursuits; and as soon as the income of the University will allow, in such order as the wants of the public shall seem to require, the said courses in the sciences and their application to the practical arts shall be expanded into distinct colleges of the University, each with its own faculty and appropriate title. The College of Letters shall be co-existent with the College of Arts, and shall embrace a liberal course of instruction in language, literature, and philosophy, together with such courses or parts of courses in the College of Arts as the Regents of the University shall prescribe. * * *

"Professional or other colleges or departments * * * may from time to time be added thereto or connected therewith."

The Constitution of the State of Idaho, adopted by the electors, November, 1889, confirmed the establishment of the University thus: "The location of the University of Idaho as established by existing laws is hereby confirmed. All the rights, immunities, franchises, and endowments heretofore granted thereto by the Territory of Idaho are hereby perpetuated unto the said University."

†Report of President Gault, Nov. 30, 1896.

agriculture"; three agricultural experiment stations; and a "college or department of letters." "College" and "department" were terms used more or less synonymously until June, 1902, when the University was reorganized on the collegiate basis, comprising the College of Letters and Sciences,* College of Agriculture, School of Applied Science (or School of Mines), and Preparatory School. The School of Applied Science eventually became the present College of Engineering, from which the present School of Mines was separated in 1917. The College of Law was established in 1909. Departmental work developed into the organization of the School of Forestry, 1917; School of Education, 1920; and School of Business Administration, 1925. In these eight schools and colleges are thirty-nine departments. Graduate study was reorganized as the Graduate School in 1925.

The Southern Branch of the University of Idaho at Pocatello was established by the Nineteenth Idaho Legislature and opened its first academic year in September, 1927. This institution had been the Idaho Technical Institute, which in turn had replaced the Academy of Idaho in 1915. The Academy of Idaho had been established in 1901 to meet the demand for secondary education. As the number of high schools had increased, the need for an academy had been replaced by the demand for an institution of university rank.

The Agricultural Experiment Station has been an integral part of the institution from the first. Agricultural Extension and Non-Resident Instruction have developed as the institution has grown. The State Bureau of Mines and Geology was established and co-ordinated with the School of Mines in 1919.

The University's attainment of high scholastic standards has been linked up with the development of the free public high-school system. There were only three four-year high schools in the state when the University opened. At first no students of college grade presented themselves; by the close of the first year there were only six. There were three preparatory classes and one sub-preparatory (which was discontinued after two years). In 1904-5 college students for the first time outnumbered preparatory students. Within the next two years the entrance requirement was raised from three years of high-school work to four. For this requirement Idaho was recognized in 1907 as one of the fourteen first-rank state universities of the country. In 1913 the preparatory department was discontinued. There are now 134 accredited four-year high schools and academies in the state, whose graduates enter the University without examination. The University of Idaho is an accredited member of the Northwest Association of Secondary and Higher Schools (which parallels similar organizations in the northeast, the middle states, and the north central states); is recognized by the American Association of University Women, the American Medical Association, and the American Bar Association;

*The final s is now omitted.

and meets other standards as listed in the *College Blue Book*. The University of Idaho is on the fully accredited list of the Association of American Universities. In 1922 it was granted a chapter of Sigma Xi, honorary scientific society, and in 1926 a chapter of Phi Beta Kappa, honorary scholastic society in the field of the humanities.

More than 10,000 persons have been University of Idaho students in the thirty-eight years. The first year's enrolment of 133 was more than doubled the fourth year, reaching 298. It was quadrupled in the twentieth year, at 548, and this figure was again almost doubled in the twenty-fifth year, at 1043. After a wartime setback it had risen to 2166 in 1924-25. Now, with the addition of the Southern Branch, it is approximately 3400. The first six college students were graduated in 1896. Since that time 2142 bachelors' and masters' degrees have been granted.

Increase in buildings and equipment has kept pace approximately with enrolment, lagging enough to cause successive presidents and regents perennial anxiety, yet laying foundations, year by year, for new development. The University suffered a staggering blow in the burning of the Administration Building, March 30, 1906. Provision was made promptly, however, for the present Administration Building, whose collegiate gothic lines dominate the campus architecture. Morrill Hall and also the buildings of the School of Mines were erected at this time. Other structures have been added as listed elsewhere in the catalog. A significant step in building growth was taken in 1921, when arrangements were made whereby dormitories could be paid for from their own income without requiring state appropriations. The University plant now has an estimated value of \$2,507,000, as follows: library, \$119,000; scientific apparatus, machinery, furniture, and other equipment, \$434,000; livestock, \$50,000; campus and farm (not including substations), \$173,000; buildings (not including the new gymnasium), \$1,531,000; and other property, \$200,000. The estimated value of fraternity and sorority houses (used by students but not University property) is an additional \$600,000. The lands, buildings, and equipment of the Southern Branch represent another \$640,000.

Government of the University, under the Act of 1889, was vested in a board of nine regents to be appointed by the governor. In 1901 this number was reduced to five. By constitutional amendment, passed in 1912, and by act of the Legislature of 1913, the government of all the state educational institutions and the general supervision of the public schools were placed in the hands of one board, entitled "The State Board of Education and Board of Regents of the University of Idaho." This board consists of five members appointed by the governor, each to serve for five years, and the state superintendent of public instruction *ex officio*.

Presidents of the University have been: Franklin Benjamin Gault, 1892 to 1898; Dr. Joseph Philip Blanton, 1898 to 1900; Dr. James Alexander MacLean, 1900 to 1913; Dr. Melvin Amos Brannon, 1914

to 1917; Dr. Ernest Hiram Lindley, 1917 to 1920; and Dr. Alfred Horatio Upham, 1920 to 1928. Dr. Frederick James Kelly, elected in January, will take up the duties of the presidency at commencement time, 1928.

THE SCHOOLS AND COLLEGES

The scope of courses of the several schools and colleges of the University may be described briefly as follows:

THE COLLEGE OF LETTERS AND SCIENCE.—The College of Letters and Science offers curricula of study leading to the degrees of Bachelor of Arts and Bachelor of Science, with majors in American history, bacteriology, botany, chemistry, dramatics and public speaking, economics, English, European history, French, geology, German, Greek, journalism, Latin, law, mathematics, music, philosophy, physics, political science, psychology, Spanish, and zoology. It also includes curricula leading to the degrees of Bachelor of Science in Home Economics, Bachelor of Science in Pre-Medical Studies, Bachelor of Science in Pre-Nursing Studies, Bachelor of Music, Bachelor of School Music, and Bachelor of Science in Architecture. For graduates of the three-year pharmacy course at the Southern Branch it also offers a fourth year of work leading to the degree, Bachelor of Science in Pharmacy.

THE COLLEGE OF AGRICULTURE.—The College of Agriculture offers a curriculum toward the degree of Bachelor of Science in Agriculture. It gives instruction in agricultural chemistry, agricultural education, agricultural engineering, agronomy, animal husbandry, bacteriology, dairy husbandry, entomology, horticulture, plant pathology, poultry husbandry, veterinary science, and soils. The college also provides thru the School of Practical Agriculture a two-year curriculum of four months annually in industrial and agricultural subjects of high-school grade. A five-months commercial course in dairying is also maintained for those who cannot take the regular course, a twenty-weeks course is offered in automobile mechanics, and a four-weeks course in poultry husbandry is given.

THE COLLEGE OF ENGINEERING.—In the College of Engineering are curricula leading to the degrees of Bachelor of Science in the following branches of engineering: civil, electrical, mechanical, and chemical. The college also conducts the short course in mechanic arts.

THE COLLEGE OF LAW.—The College of Law offers a standard three-year course open to students eighteen years of age and over who have completed at least two full years of prescribed work in the College of Letters and Science of the University of Idaho, or the equivalent thereof in other institutions of accepted academic standing. The college grants the degree of Bachelor of Laws. By special arrangement students may combine the work of the College of Letters and

Science and the College of Law and satisfy the requirements of both the degrees of B.A. and LL.B. in six years. Several specified law courses may be taken free of charge by students enrolled in the other colleges of the University.

THE SCHOOL OF MINES.—The School of Mines offers curricula of study leading to the degrees of Bachelor of Science in Mining Engineering, in Metallurgy, and in Geology.

THE SCHOOL OF FORESTRY.—The School of Forestry offers curricula of study in general forestry, logging engineering, and range management. It grants the degree of Bachelor of Science in Forestry.

THE SCHOOL OF EDUCATION.—The School of Education offers instruction in psychology and in education leading to the degree of Bachelor of Science in Education. It has special curricula for teachers of physical education and of commercial subjects.

THE SCHOOL OF BUSINESS ADMINISTRATION.—The School of Business Administration offers four-year curricula in finance, accounting, commerce, the extractive industries, and secretarial science, leading in each case to the degree, Bachelor of Science in Business.

THE GRADUATE SCHOOL.—Graduate study, leading to the master's degree, is offered by virtually every department of the University, under supervision of the dean of the Graduate School.

THE SOUTHERN BRANCH.—The Southern Branch of the University of Idaho, at Pocatello, is a junior college. It offers the first two years of the regular curricula of the University for the degrees in arts, science, home economics, pre-medical studies, music, agriculture, forestry, education, business administration, and civil, electrical, mechanical, chemical, and mining engineering. It also prepares for admission to the College of Law. Its Division of Pharmacy offers a standard three-year curriculum leading to the degree, Graduate Pharmacist. The Southern Branch also provides two-year completion courses in electricity, accounting, secretarial work, and merchandising, for students who plan to continue their education only two years after high school, and also a one-year course in auto mechanics.

THE AGRICULTURAL EXPERIMENT STATION.—The Agricultural Experiment Station is organized to fulfil as effectually as possible the purpose of the acts of Congress known as the Hatch, Adams, and Purnell Acts, and of the State Legislature in various appropriation measures, in the improvement by research of the agricultural industry of Idaho. The station council, composed of the president of the University, the director of the station, and those in charge of various departments of agricultural research, directs the work of the station staff in experiment and investigation in both the central station in Moscow and the several sub-stations in different parts of the state.

THE FORESTRY EXPERIMENT STATION.—Research work of the School of Forestry has been reorganized into a separate University unit, to meet the demand for aid to the forest industry of the state. Research in the utilization, development, and conservation of timber resources is conducted.

EXTENSION SERVICE.—The Extension Division of the College of Agriculture is organized to extend information and educational assistance to the people of the state, so far as the resources of the University permit. At present it conducts work in agricultural and home economics extension by various county agricultural agents, field specialists in agriculture, leaders of boys' and girls' clubs, and home demonstration agents, under the supervision of the director of extension.

The University also offers non-resident instruction to local study groups, and by correspondence to others who cannot take up residence in Moscow.

THE SUMMER SCHOOL.—The Summer School of the University is maintained to afford instruction both for regular University students and for persons who desire to avail themselves of the University facilities during the summer only. Credits toward University degrees may be earned. The instructional staff is made up of members of the University faculty and lecturers from other institutions. The number of graduate courses has been materially increased. Summer school work is offered at Moscow, Boise, and Pocatello.

STATE BUREAU OF MINES AND GEOLOGY.—The law establishing the State Bureau of Mines and Geology specifies that its office shall be at the University, and thru this medium co-operative relations are maintained with the United States Bureau of Mines and with the United States Geological Survey in all matters pertaining to work in the State of Idaho. The state and federal bureaus maintain a joint metallurgical staff engaged in the investigation of metallurgical problems of the state.

THE UNIVERSITY'S INCOME

The income for all departments of the University is estimated for the biennium 1927-28 as follows:

Federal:

Land Endowment Fund*	\$200,000
Funds for Instruction in Agriculture and Mechanic Arts	100,000
Funds for Experimentation and Research	110,000

*The original land endowment of the University consisted of 286,080 acres of federal lands, distributed as follows: 96,080 acres for the University proper; 100,000 acres for the School of Science; 90,000 acres for the College of Agriculture. The value of the land endowment from the Federal government should be nearly six million dollars; approximately one-fourth of this land has been sold.

Funds for Extension (Agriculture, Home Economics, etc.)	126,000
	<hr/>
	\$536,000
State:	
Maintenance and Equipment	1,570,945
Institutional and Local	280,000
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Total for Maintenance and Operation	\$2,386,945
Special Appropriation for New Heating Plant	75,000
	<hr/>
Grand Total	\$2,461,945

THE SOUTHERN BRANCH

State Appropriation for Maintenance	\$427,100
State Appropriation for Improvements	50,000
Endowments	37,400
Local and Institutional Income	46,500
	<hr/>
Total	\$561,000

THE TOWN AND CAMPUS

The University is located at Moscow, in the northern part of Idaho, on the Palouse and Lewiston branch of the Northern Pacific Railway, at the terminus of the Moscow branch of the Union Pacific system, and at the terminus of the Inland Empire Railroad Company (electric). The city has a population of about five thousand, is supplied with exceptionally pure artesian water, and has well sustained churches and excellent public schools. The moderate altitude of 2,600 feet makes the climate of Moscow a desirable change both for students coming from the more humid climate of the coast, and for those from the high, arid regions. The air is pure and invigorating. The locality enjoys the cool summers of the semi-mountain elevation and the mild winters of the region west of the Rocky Mountains.

The University site is on an eminence southwest of the city, overlooking one of the most attractive prospects of mountain and valley in the Palouse country. The campus, with its green lawns, shaded walks, and buildings of pleasing architecture, is famous for its beauty. The grounds west of the campus proper near the Gymnasium, containing twenty acres, form a natural amphitheater and are laid out as a permanent athletic field. Upon one of the surrounding slopes seats have been built, which will accommodate nearly 6000 persons.

In the University campus and college farm there are 621 acres, and in addition 102 acres of leased land. These figures include 47 acres devoted to the arboretum and nursery of the School of Forestry.

There are agricultural experiment substations at Caldwell (320 acres), at Sandpoint (170 acres), and at Aberdeen (80 acres), all owned by the University and used for the conduct of experimental and demonstration work. Furthermore, a station at an altitude of over 6,000 feet, named "The High Altitude Substation," was located at Felt in 1918. This consists of 160 acres for experiments in dry farming and 20 acres in irrigation at high altitude.

The University has a section of forest land on Moscow Mountain, about six miles from the campus, which is maintained by the School of Forestry as an experimental tract and a field laboratory.

A description of the Southern Branch and its location at Pocatello will be found in the Southern Branch catalog, which will be sent on request.

BUILDINGS ON CAMPUS AND FARM

THE ADMINISTRATION BUILDING (1908) which replaces the building destroyed by fire in 1906, was completed by the erection of the south wing in 1920. It is an absolutely fireproof, three-story structure in collegiate gothic style and contains the library, offices, and many class and lecture rooms, as well as an auditorium with a seating capacity of 1000.

SCIENCE HALL (1924-25) is a handsome structure of Tudor-Gothic architecture, fire-proof, built of reinforced concrete, faced with brick and stone trimmings, and roofed with slate. Its four stories provide laboratories and classrooms for instruction in the sciences. Its central section is 120 feet long, and its east and west wings respectively 69 and 100 feet long.

MEMORIAL ARMORY-GYMNASIUM.—The Memorial Armory-Gymnasium is being built north of MacLean field as a memorial to the Idaho men and women who lost their lives in the World and other wars. The contract calls for its completion Aug. 1, 1928. It will be 200 feet long by 110 feet wide and 75 feet high and will cost \$300,000. Its erection was sponsored by the University of Idaho Alumni Association and the American Legion, Department of Idaho, working thru the Idaho Memorial Building Association.

THE ENGINEERING BUILDING (1902) is of brick, three stories high, with a ground floor of 60x108 feet. The offices and classrooms of the Civil, Electrical and Mechanical Engineering Departments, together with drafting rooms for the upper classes in engineering, are located in this building. Offices and classrooms of the Agricultural Engineering Department are on the third floor.

THE ENGINEERING ANNEX (1918), a one-story brick structure, furnishes quarters for the drafting rooms and materials testing laboratories of the Civil Engineering Department, and the laboratories of the Electrical Engineering Department.

THE ENGINEERING SHOPS (acquired by the University in 1923) comprise a group of modern concrete buildings of the factory type, affording 25,000 square feet of floor space. They contain the wood shop, forge and foundry shops and machine shops of the Mechanical Engineering Department. A portion of one of the buildings contains an excellent machine shop used for custom work and available for instructional purposes. An area of 5,000 square feet is devoted to the laboratories of the Agricultural Engineering Department.

MORRILL HALL (1906) constructed of brick and stone, is designed to meet the needs of the College of Agriculture and the Agricultural Experiment Station. It provides quarters also for the School of Forestry.

THE GEOLOGY BUILDING (1906) is of one story, 110x52 feet, of selected brick with rubble foundations, and is equipped for geological, mineralogical, and petrographic work, with suitable offices, classrooms, and laboratories. The central portion of the building houses the geological museum.

THE METALLURGICAL LABORATORY (1906) occupies a red pressed-brick building with ground-floor plan of 84x96 feet. It represents, with its present equipment, an expenditure of about \$50,000. It is built upon sloping ground and has the different floors or levels common to all mills constructed on a hillside.

RIDENBAUGH HALL (1902), now employed as a residence for men, is a three-story brick building finished and furnished according to the most approved plans. It contains three reception halls, thirty-five rooms, two large sleeping porches, and a dining hall for 200 boarders.

LINDLEY HALL (1920-22), a three-story brick structure, was built by citizens of Moscow and is under lease to the University. It provides rooms for 150 young men, and a dining-room accommodating 250.

MARY E. FORNEY HALL (1923), a residence for women, is a modern, three-story, brick structure, with full basement and sub-basement, being virtually a four-story building above ground level. Accommodations are provided for 110 girls, the residence unit being a suite of two studies, a sleeping porch, and a dressing room, designed for the use of four students. The dining room accommodates 125. This dormitory was erected by the University of Idaho Building Association and is under lease to the University.

GERTRUDE L. HAYS HALL (1927), residence for women, is a modern five-story brick and concrete building with a full basement. It has room for 140 girls. Rooms are arranged for study quarters and dressing facilities for two girls together. Sleeping quarters are provided in large porches. The dining room has accommodations for 125. This building is leased by the University from the University of Idaho Building Association.

JENKINS COTTAGE was acquired by the University in 1920 and provides living accommodations for thirty students.

CENTER COTTAGE was acquired by the University in 1921 and houses thirty-five students.

THE ARMORY AND GYMNASIUM (1904) is a large rectangular structure of red brick, with a ground floor of 129x64 feet. It was constructed at an approximate cost of \$35,000.

LEWIS COURT (1911), an annex to the Gymnasium built by private subscription, is a one-story wooden structure 60x180 feet in dimensions, with a cinder floor. It is used for winter military drill and recreation.

THE DAIRY BUILDING (1918), a three-story building containing 6,000 square feet of floor space, is devoted to the work of the Department of Dairying, giving this department unsurpassed accommodations.

MUSIC HALL (1897), a two-story frame structure, was refitted in 1907 for instruction in piano and theory in the Department of Music. Music studios also are provided in *Music Hall Annex* and in *Bartley Cottage*.

THE UNIVERSITY HUT is a one-and-one-half-story frame structure erected in 1918 by the National War Work Council of the Y. M. C. A., and originally intended for the use of the student-soldiers. It contains the University post office, the office of the professor of dramatics, the Little Theatre, in which performances of the play-production classes are given, and the studio of the Department of Art.

THE INFIRMARY (1920) has been enlarged by the addition of CREST COTTAGE (acquired by the University in 1922). The two buildings provide hospital and clinical accommodations for students who become ill.

THE HEATING PLANT (1927) is a brick and concrete structure which furnishes steam heat to most of the University buildings.

THE DAIRY BARN (1911) and LIVESTOCK PAVILION, used as an annex, are part-shingle, part-stucco buildings located just west of the campus and planned to house the University dairy herd of fifty animals.

THE BEEF CATTLE BARN (1922) is a substantial and modern structure, 54x120 feet, located on the University farm.

THE HORSE BARN (1908) is a substantial and thoroly modern structure, 40x112 feet, located on the University farm.

THE SHEEP BARN AND SWINE BARN (1918) are buildings of simple but attractive design conveniently arranged for handling the livestock.

THE POULTRY SERVICE BUILDING (1919) is equipped for incubation and poultry laboratory work.

THE BY-PRODUCTS BUILDING (1907) is a frame structure, equipped for canning and evaporating fruits and vegetables.

THE GREENHOUSES (1908) are situated northwest of the Heating Plant.

THE SERVICE BUILDING (1909) was for years the central heating plant of the University.

THE LIBRARY.—The University Library consists of approximately 88,000 volumes, including state and government documents, and several hundred pamphlets. As a designated depository, the library receives all publications of the United States Government, of the Carnegie Institute of Washington, and of some other scientific societies. It also receives a large number of state publications and single-volume gifts. It receives regularly more than 400 of the leading periodicals. The list includes American and foreign publications, both general and technical. Many Idaho newspapers are sent free by the publishers and are filed in the magazine room for the use of the students. Anyone, whether directly connected with the University or not, is welcome to the use of the library for both reference and reading.

ADMISSION TO THE UNIVERSITY

Applicants for admission to the University must be at least sixteen years of age (eighteen for admission to the College of Law) and must present satisfactory evidence of good moral character.

Students are classified as graduates and undergraduates. Undergraduates are classified as regular students (freshmen, sophomores, juniors, and seniors) and special students.

ADMISSION AS REGULAR STUDENTS

By CERTIFICATE.—Admission to the University by certificate is based upon credentials showing:

(a) Graduation from an accredited four-year high school and presentation of fifteen acceptable units (Plan I), or

(b) Graduation from an accredited three-year senior high school and presentation of twelve acceptable units (Plan II).

A "unit" represents a high-school subject taught five times a week in periods of not less than forty minutes' duration (laboratory eighty), for a school year of at least thirty-six weeks. A Certificate of Recommendation should be filled out and signed by the superintendent, principal, or other official of the school in which the work was done. It should show the length of each course in weeks, the number of reci-

tations a week, the length of each recitation, and the grade of scholarship attained, including a record of all failures and conditions. All certificates accepted toward admission to the University become the property of the University, and are permanently filed among its records. They cannot be returned to the student, but certified copies will be issued if needed.

Academic units shall be defined as English (Composition and Literature), Foreign Language, Mathematics, Social Science, and Natural Science.

Elective units may be taken from the academic subjects named as well as from vocational and other subjects commonly given in high schools, with the following exceptions:

(a) Military drill, spelling, penmanship, reviews, project work unless in conjunction with regular courses, and work which primarily is of the nature of extra-curricular activities.

(b) Less than one unit in foreign language, shorthand, type-writing, or bookkeeping.

(c) Less than one-half unit in any subject.

(d) More than one unit in physical education.

PLAN I

Graduation from an accredited four-year high school and presentation of fifteen acceptable units

The specific requirements and apportionment of required and elective units for entrance to the various divisions of the University are shown below:

Subject	College of Letters & Science	College of Agriculture	College of Engineering	College of Law	School of Mines	School of Forestry	School of Education	School of Bus. Adm.
English	3	3	3	3	3	3	3	3
A Modern Language or Latin	2	—	—	2	—	—	—	2
Social Science	2	2	2	2	2	2	2	2
Mathematics	1	1	1	1	1	1	1	1
Algebra	1	1	1	1	1	1	1	1
Plane Geometry	—	—	$\frac{1}{2}$	—	$\frac{1}{2}$	—	—	—
Advanced Algebra	—	—	$\frac{1}{2}$	—	$\frac{1}{2}$	—	—	—
Solid Geometry	—	—	—	—	—	—	—	—
Natural Science (unspecified)	2†	2	1	2	1	2†	2†	2
Physics	—	—	1	—	1	—	—	—
Total Specified Academic Units	11	9	10	11	10	9	9	11
Additional Academic, Vocational or Elective Units	4	6	5	4	5	6	6	4
Total Units Required	15	15	15	15†	15	15	15	15

Students planning to enter the curriculum in Architecture should present $1\frac{1}{2}$ units in Algebra and $\frac{1}{2}$ unit in Solid Geometry and should present French as their foreign language.

†It is highly desirable for students planning to enter the School of Forestry, the School of Education, or the B.S., B.S. (Pre-Med.), B.M., or B.S. (Arch.) curriculum of the College of Letters and Science to offer one unit in Physics.

‡Two years of college work also are required.

Applicants for admission who meet the above requirements but present a record of scholarship which does not show grades in ten units of high-school work which are at least one step above the lowest passing grade in the school will be admitted only on probation. One "step" means one letter, or other symbol in a system using three or four passing grades. In a purely percentage system, a "step" would mean a minimum of one-fourth of the interval between the lowest passing grade and 100. Students from high schools that use a system of grading which is not adaptable to either of the above grading schemes will be admitted on probation if they rank in the lowest one-fourth of their graduating class.

PLAN II

The following admission requirements have been adopted for those students who graduate from senior high schools based on the 6-3-3 plan

1. Full admission to all divisions of the University shall be based upon 12 units completed in Grades X, XI, and XII.

2. Of the 12 units accepted for admission not to exceed three units may be non-academic. The academic units shall consist of a major (three units) and two minors (two units each) or four minors.

3.(a) English shall be either a major or a minor.

(b) Mathematics shall be a minor except that for admission to the College of Engineering and School of Mines it shall be a major.

(c) At least one unit in *social science* and one unit in *natural science* must be included in the remaining academic units for admission to all divisions of the University. Students entering the College of Engineering or School of Mines must present Physics as a *natural science*.

(d) A major or minor in Foreign Language shall be required for admission to the College of Letters and Science, College of Law, and School of Business Administration.

4. A major in Foreign Language may consist of a year of one language and two years of another, but a minor must be a single language.

5. A unit of Foreign Language and a unit of Mathematics may be accepted from work carried below Grade X as a major or a minor although such courses may not be counted as part of the nine required academic units.

The specific requirements for admission to the various divisions of the University are shown below:

	College of Letters & Science	College of Agricult.	College of Engineer.	College of Law	School of Mines	School of Forestry	School of Education	School of Bus. Adm.
English	2	2	2	2	2	2	2	2
A Modern Language or Latin	2*	—	—	2*	—	—	—	2*
Social Science	1	1	1	1	1	1	1	1
Mathematics	1*	1*	1*	1*	1*	1*	1*	1*
Algebra	1	1	1	1	1	1	1	1
Plane Geometry	—	—	1/2	—	1/2	—	—	—
Advanced Algebra	—	—	1/2	—	1/2	—	—	—
Solid Geometry	1†	1	—	1	—	1†	1†	1
Natural Science (unspecified)	—	—	1	—	1	—	—	—
Physics	—	—	—	—	—	—	—	—
Total Specified Academic Units	8	6	7	8	7	6	6	8
Additional Academic Units	1-3	3-4	2-3	1-3	2-3	3-4	3-4	1-3
Additional Academic Vocational or Elective Units	3	3	3	3	3	3	3	3
Total Units Required	12	12	12	12†	12	12	12	12

Students planning to enter the curriculum in Architecture should present 1½ units in Algebra and ½ unit in Solid Geometry and should present French as their foreign language.

Applicants for admission who meet the above requirements but present a record of scholarship which does not show grades in eight units of high-school work which are at least one step above the lowest passing grade in the school will be admitted only on probation. One "step" means one letter, or other symbol in a system using three or four passing grades. In a purely percentage system, a "step" would mean a minimum of one-fourth of the interval between the lowest passing grade and 100. Students from high schools that use a system of grading which is not adaptable to either of the above grading schemes will be admitted on probation if they rank in the lowest one-fourth of their graduating class.

Students from accredited secondary schools who have completed the required number of acceptable units but have not graduated may be admitted upon special recommendation of the principal, subject to the same grade regulations as graduates.

Applicants for admission whose credentials have been accepted will be mailed Permits to Register for the following semester. However, no Permits will be mailed later than one week before the first day of registration for any session of the University. Applicants will be saved much inconvenience and uncertainty if all their credentials are received by the registrar in sufficient time for the settlement of any question thru correspondence and the receiving of Permits to Register before the proposed date of admission.

By EXAMINATION.—All other applicants for admission, including students from non-accredited high schools, will be required to take en-

*One unit may be earned in Junior High School, in which case, however, the unit shall not count toward the nine academic units required from the Senior High School.

†It is highly desirable for students planning to enter the School of Forestry, the School of Education, or the B.S., B.S. (Pre-Med.), B.M., or B.S. (Arch.) curriculum of the College of Letters and Science to offer one unit in Physics.

‡Two years of college work also are required.

trance examinations in fifteen units of acceptable work. These examinations are given at the various county seats during the last week in May of each year, and also at Moscow on the first three days of the week of registration for the fall semester of the University. In the year 1928 the examinations will be given on May 24, 25, and 26, and on September 10, 11, and 12. Persons who are interested should write the registrar for detailed information. Those who expect to take entrance examinations must notify the registrar at least two weeks before the dates on which the examinations are held, stating the subjects in which they desire to take examinations.

Students who offer the required number of units of acceptable high-school work by certificate or by examination and meet the general requirements of Plan I or Plan II, but who fail to meet specific requirements as indicated in either of the tables may be admitted and take courses for which they are prepared. Students must remove all entrance deficiencies before the beginning of the sophomore year; otherwise they will be debarred from registering until the deficiencies are removed or the required courses are placed on their study lists.

ADMISSION AS SPECIAL STUDENTS

Persons over twenty-one years of age, who are unable to meet the admission requirements for regular students and desire to take special studies, may be admitted as special students upon presentation of satisfactory evidence that they are fully qualified to enter upon the work. Save in exceptional cases, students will not be admitted directly from the secondary schools to the status of special students.

Graduates of accredited high schools are not admitted as special students, but are expected to qualify for regular undergraduate standing in accordance with the general rules.

A special student is not eligible for any degree. Before being admitted to candidacy such student must attain regular standing and be in residence carrying a regular schedule of work for at least two years thereafter. Registration in any semester is dependent upon the record thus far made in the University.

ADMISSION TO ADVANCED UNDERGRADUATE STANDING

FROM UNIVERSITIES AND COLLEGES.—Students who have completed work in other universities and colleges of recognized rank and who present certified statements of their record and honorable dismissal from the institutions attended may be admitted to advanced standing. Credits presented from other than the above-mentioned colleges will be considered and evaluated, but they will not be accepted until after the completion of at least one semester of satisfactory work in the University. In general, credit will be granted only to courses equivalent or similar to those given in the University or to those ordinarily given in a state-supported university or college. Credentials should include a record of credits earned in high school or other secondary

school, as well as in the college or colleges attended, and should be sent to the Registrar at the earliest possible date. (See Regulation No. 26 on page 36.)

Students entering the University from other institutions must comply with the same regulations as to their former scholarship as are applied to students previously enrolled in this institution. (See Regulations Nos. 27 and 31.)

FROM NORMAL SCHOOLS.—Graduates of approved normal schools who have completed two years of normal work in addition to a four-year high-school course fully covering the entrance requirements of the University are admitted to the School of Education and to the B.A. and B.S. curricula offered by the College of Letters and Science with sixty-four credits of advanced standing. Before graduation with the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Education, they must satisfy the specific requirements in English, foreign languages, social sciences, natural sciences, and major and minor subjects for the degree sought.

Non-graduates of approved normal schools will be granted credit in such courses as appear equivalent to courses given in the University.

FROM JUNIOR COLLEGES.—Students from accredited junior colleges are admitted without examination and receive credit for all work which is the equivalent of similar courses offered by the University, but in no case shall the amount of credit granted exceed one-half of the number of credits required for graduation from the curriculum in which the student registers in the University.

FROM SECONDARY SCHOOLS.—Advanced credit will be given for courses completed in high schools or other institutions of high-school grade in excess of a total of sixteen units only upon the following conditions: (a) The subject in which application for advanced credits is made must be approved by the committee on advanced credits. (b) An examination in this approved subject must be passed not later than one year from the applicant's admission to the University.

ADMISSION TO THE COLLEGE OF LAW

Applicants for admission to the College of Law must fulfil the same entrance requirements as are imposed upon students entering the College of Letters and Science, and must in addition have completed sixty-four credits in courses of college grade (including not more than eight credits in Military and Physical Education) equivalent to two years of college work. These credits may be earned by taking the prescribed work and permitted electives in the freshman and sophomore years of the College of Letters and Science. Three fourths of the credits offered must be above grade D and the average must be 4.000 or above.

ADMISSION TO GRADUATE STANDING

A bachelor's degree from a college or university of acceptable standing is required for admission to graduate work. A certified transcript of undergraduate work is also required, and this should be sent to the University some time prior to registration days. For further regulations concerning graduate work see Part II of the catalog.

DEGREES GRANTED

FIRST DEGREES

The following baccalaureate degrees are conferred upon those who have completed successfully the prescribed courses of study and who have complied with all other requirements laid down by the University:

Bachelor of Arts, B.A.
Bachelor of Science, B.S.
Bachelor of Science in Pre-Medical Studies, B.S.(Pre-Med.)
Bachelor of Science in Pre-Nursing Studies, B.S.(Pre-Nurs.)
Bachelor of Science in Home Economics, B.S.(H.Ec.)
Bachelor of Music, B.M.
Bachelor of School Music, B.S.M.
Bachelor of Science in Architecture, B.S.(Arch.)
Bachelor of Science in Pharmacy, B.S.(Phar.)
Bachelor of Science in Agriculture, B.S.(Agr.)
Bachelor of Science in Civil Engineering, B.S.(C.E.)
Bachelor of Science in Electrical Engineering, B.S.(E.E.)
Bachelor of Science in Mechanical Engineering, B.S.(M.E.)
Bachelor of Science in Chemical Engineering, B.S.(Chem.E.)
Bachelor of Laws, LL.B.
Bachelor of Science in Mining Engineering, B.S.(Min.E.)
Bachelor of Science in Metallurgy, B.S.(Met.)
Bachelor of Science in Geology, B.S.(Geol.)
Bachelor of Science in Forestry, B.S.(For.)
Bachelor of Science in Education, B.S.(Ed.)
Bachelor of Science in Business, B.S.(Bus.)

ADVANCED DEGREES

The following advanced degrees are offered: Master of Arts, M.A.; Master of Science, M.S.; Master of Science in Business, M.S.(Bus.); Master of Science in Home Economics, M.S.(H.Ec.); Master of Science in Architecture, M.S.(Arch.); Master of Science in Forestry, M.S.(For.); Master of Science in Agriculture, M.S.(Agr.); Master of Science in the respective branches of engineering, e. g., M.S.(C.E.), etc.; Master of Science in Metallurgy, M.S.(Met.); Master of Science in Geology, M.S.(Geol.); and Master of Science in Education, M.S.(Ed.) (For conditions of candidacy for an advanced degree, see Part II.)

EXPENSES

NO TUITION.—According to Section IV of the law by which the University was created, "No student who shall have been a resident of the state for one year next preceding his admission shall be required to pay any fees for his tuition in the University, except in a professional department or for extra studies." Since September, 1925, all students not residents of the State of Idaho, who matriculate as undergraduates in a regular course, are required to pay a tuition fee of \$30 a semester in addition to fees and charges required from students resident in Idaho.

ANNUAL EXPENSES.—Expenditures of students, as reported by themselves, vary widely. Some spend twice as much as others. For items exclusive of clothing and railroad fare, a typical expenditure for a boy or girl living in a dormitory will be \$500 a year. Students living in the fraternity or sorority houses will spend considerably more. Students not living on the campus report expenditures averaging about \$550 a year, including clothes. (Students with homes in Moscow were not included in this investigation.) Much depends on the habits and tastes of the student and on his source of money supply. Of 352 students who replied to a University questionnaire, 154 reported expenditures less than \$500 a year, exclusive of clothing and railroad fare. Eighty-four of them kept accounts. Expenditures less than \$500 (exclusive of clothes and railroad fare) were reported in 20 per cent of the replies from fraternity and sorority houses; in 50 per cent from dormitories; and in 76 per cent from students off the campus. The immediate financial requirement at the beginning of the year is between \$132 and \$146, as follows: Associated Students (one-half year), \$8.50; class dues (one-half year), 50c; health fee (one-half year), \$4; room (one-half year), \$36; room deposit, \$5; board (two weeks), \$12; general deposit, \$10; extra-curricular fee, \$5; laboratory, \$1 to \$15; books, \$25; incidentals, \$25. Music students, law students, and students from outside the state will have additional fees, as elsewhere described.

EMPLOYMENT.—Earning one's way is quite the fashion at the University, but the number of opportunities for such self-help is limited. The new student is likely to find that most of the steady work is being done by students who already have been at the University a year or longer. The resourceful student will find incidental work during his first year but should not depend on earning a large proportion of his way. Of the first 1726 students who registered in the fall of 1926, 614 were self-supporting, 311 partly self-supporting, and 801 not self-supporting. Thus 53 per cent supported themselves wholly or in part. Of girls, 29 per cent were wholly or partly self-supporting; of boys, 67 per cent. An investigation conducted a few years ago showed that, for a period of three months and a half, 167

students earned an average of \$31.92 a month. Their work took an average of 19 hours a week of their time. Students enter all kinds of employment. The most skilled, energetic, and persistent are the most prosperous. Satisfactory help is paid 40 cents an hour. New students seldom can expect to find employment by mail. Arrangements so attempted usually result unsatisfactorily. The employment officer will make every effort to find work for students after their arrival, but the new student must face courageously the possibility of having to wait for employment. Too much attention to outside work, or to the quest for employment, in the early months of the freshman year is likely to prevent successful class work.

BOARD AND ROOM.—Board and room are obtainable in private homes at prices centering about \$6 a week for board and \$1.50 or \$2 a week for room. Many students live in the fraternity and sorority houses, where board ranges from \$5 to \$7 a week and rooms from \$2 to \$4. Young women from out of town are required to live in University residences or sorority houses unless expressly permitted by the dean of women to live elsewhere to help earn board or room.

WOMEN'S RESIDENCES.—Three hundred young women can be housed by the University in modern buildings—Mary E. Forney Hall and Gertrude L. Hays Hall. Rooms are arranged in suites for four and also in rooms for two occupants. Rooms are well lighted and heated and afford every comfort.

Students are expected to provide for themselves the following articles: three pairs of sheets $1\frac{1}{2}$ by 3 yards; three pillow slips; a counterpane; a pillow; suitable bedding; towels; bureau covers; mattress pad; napkin ring; drinking glass for room; couch cover; and one small rug, approximately 5 by $2\frac{1}{2}$ feet in size. All articles should be plainly marked with the name of the owner.

Much if not all of the laundry can be done in the halls, as splendid equipment is provided. A charge of \$1 a semester is asked for the upkeep of the laundries and use of irons. Napkins are provided and laundered at a cost of \$1.50 a semester.

All residents of the halls are requested to have their names plainly marked on the tops of their trunks. Bedding should be sent by parcel post several days in advance, addressed to the owner in care of the hall to which she has been assigned.

RATES AT THE WOMEN'S RESIDENCES.—Board is \$6 a week, payable two weeks in advance. Room rental is \$36 a semester, payable in advance. A deposit of \$5 is required of each applicant for accommodations at the halls before reservation is effective. This amount should be sent to The Bursar, University of Idaho, Moscow. It will be held until the close of the school year as a guarantee deposit for the proper care of rooms and furnishings. All applications for rooms should be made direct to the bursar. If detailed information is desired, letters will be referred to the persons in charge.

MEN'S RESIDENCES.—Lindley and Ridenbaugh halls accommodate 230 men, and 30 additional can be housed in smaller cottages. These buildings are all heated from the central heating plant. Dining rooms in Lindley and Ridenbaugh halls accommodate 325 boarders. Students are expected to provide: napkin-ring and an individual drinking glass or cup; three pairs of sheets, approximately $1\frac{1}{2}$ by $2\frac{1}{2}$ yards; three pillow slips, a counterpane, and a pillow; the necessary blankets, comforts, towels, bureau covers, curtains, and two small rugs. All articles should be plainly and durably marked with the name of the owner. All residents of the halls are urgently requested to have their trunks plainly marked for identification. Application for a room may be made to the proctor at any time and rooms will be assigned in the order of application.

RATES AT THE MEN'S RESIDENCES.—Room rental at Lindley or Ridenbaugh Hall is \$36 a semester, in advance. A deposit of \$5 is required of each applicant before reservation of a room is effective. This amount should be sent to The Bursar, University of Idaho, Moscow, and will be held until the close of the school year as a guarantee deposit for the proper care of rooms and furnishings. Board is \$6 a week, payable two weeks in advance.

GENERAL DEPOSIT.—Each student is required, each semester on enrolment, to make a deposit of \$10 with the bursar. Against this deposit will be charged any damage to University property for which the student is considered responsible. Such charges cover any breakage of laboratory equipment, damage or loss of library books, and shortage of military equipment. A fifty-cent deduction is made for examination blue books. Classes frequently vote to charge special assessments against the balance of this fund.

HEALTH FEE.—The University maintains an infirmary with a staff of experienced nurses. Each student pays a health fee of \$4 a semester, which entitles him to free clinical advice of the University physicians and to the privileges of the infirmary under certain restrictions.

LABORATORY CHARGE.—Persons enrolling in certain laboratory courses are required to pay a nominal sum for materials and equipment used.

A. S. U. I. FEE.—A fee of \$8.50 a semester is collected for the support of the various enterprises of the student body, known as the Associated Students of the University of Idaho. This entitles the student to a free copy of the semi-weekly student paper, the *Argonaut*, to admission to athletic contests, and to various other privileges. The A. S. U. I. also collects the class dues of fifty cents a semester.

EXTRA-CURRICULAR FEE.—An extra-curricular fee of \$5 a semester is charged to pay a part of the cost of providing and maintaining facilities for athletic, social, and other extra-curricular activities.

LOAN FUNDS

LOAN FUND OF STATE CLUB WOMEN.—At its first biennial meeting, held in Boise, October, 1906, the State Federation of Women's Clubs decided to establish a scholarship fund for the University, to be lent to deserving students in amounts varied to suit individual needs. About \$200 was raised at once, which sum has been increased by contributions from clubs, high schools, and individuals to approximately \$10,000. This money is lent to junior and senior students. An applicant must be recommended by a club belonging to the State Federation and by some member of the University faculty, preferably his dean. He must also give a note, signed by himself and an endorser acceptable to the loan scholarship committee. This money is to be returned to the fund in payments of not less than \$10 a month, after the borrower obtains employment, together with interest at 6 per cent per annum from the time of leaving college. Students who desire to take advantage of this offer should apply for blanks and other information to Mrs. L. R. Brown, 401 North Lincoln Street, Pocatello, or to Mrs. C. N. Little, 818 Elm Street, Moscow.

FUNDS OF CIVIC ORGANIZATIONS.—As a result of the financial depression following the World War, which reached its lowest ebb in 1921, the Rotary Club of Moscow voted an annual contribution of \$100 to establish a fund to be lent to worthy students, under supervision of the president of the University. The Moscow Chamber of Commerce likewise pledged \$100 a year. The Chambers of Commerce of Coeur d'Alene, Wallace, and Kellogg, learning of this action, contributed the following amounts: Coeur d'Alene, \$100; Wallace, \$50; Kellogg, \$100. These funds are administered by a committee appointed by the president.

VERNON P. FAWCETT MEMORIAL FUND.—A \$1000 loan fund was established in 1921 by Mrs. W. H. Fawcett of Spokane in memory of her son, Vernon P. Fawcett, '14, who was drowned at Seaside, Ore., Aug. 15, 1921, while attempting to save the life of a young woman companion. The fund is administered by a committee appointed by the president of the University.

SURGICAL LOAN FUND.—A surgical loan fund of \$300 was established in 1922 by Dr. E. R. Edson of Seattle, for the use of students who might need financial assistance in providing for surgical treatment.

FACULTY WOMEN'S FUND.—The Faculty Women's Club has provided a fund of \$100 to be lent in cases of need arising from illness.

SCHOLARSHIPS AND PRIZES

RHODES SCHOLARSHIP.—By the bequest of the late Cecil Rhodes, scholarships at Oxford University, of a yearly value of approximately \$1900, are appropriated to each state. These are tenable for three

years and appointments are made in two out of every three years. Appointments are made by the Committee of Selection, consisting for the most part of former Rhodes scholars. McKeen F. Morrow of Boise is the secretary of the committee of selection for the state of Idaho. A candidate must be a resident of the state from which he is appointed or must have received the major part of his education therein; must be unmarried; must be a citizen of the United States; must have passed his nineteenth birthday but not his twenty-fifth on October first of the year in which he takes up residence, must have completed at least his sophomore year, and according to terms of the Rhodes will must be distinguished by

"(1) his literary and scholastic attainments, (2) his fondness for and success in manly outdoor sports, such as cricket, football, and the like, (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for, and protection of, the weak, kindliness, unselfishness and fellowship, and (4) his exhibition during school days of moral force of character and of instincts to lead and to take an interest in his schoolmates." Qualifying examinations are no longer held.

The Rhodes scholars from Idaho thus far have been:

1904—Lawrence Henry Gipson, '03.....	Caldwell
Lincoln College— <i>Modern History</i>	
1905—Carol Howe Foster, '06.....	Weiser
Brasenose College— <i>English Literature</i>	
1907—McKeen Fitch Morrow, '08.....	Boise
Worcester College— <i>Jurisprudence</i>	
1908—George Henry Curtis, '09.....	Boise
Worcester College— <i>Literae Humaniores</i>	
1910—Tony Taylor Crooks, '09.....	Fredonia, Kan.
Hertford College— <i>Medicine</i>	
1911—Ludwig Sherman Gerlough, '09.....	Boise
Jesus College— <i>Modern Languages</i>	
1913—Ralph Baxter Foster, '13.....	Valley Falls, Kan.
Lincoln College— <i>Modern Languages</i>	
1914—Baxter Merrill Mow, '13.....	Weiser
Jesus College— <i>Chemistry</i>	
1917—Marvin Manley Monroe, '16.....	Buhl
(Residence deferred because of the war).	
1918—Walter Edward Sandelius, '19.....	Moscow
Wadham College— <i>Economics</i>	
1920—Ernest Kidder Lindley, '20.....	Lawrence, Kan.
Pembroke College— <i>Modern History</i>	
1921—Edwin Douglas Ford, Jr. ('21 Whitman College).....	Weiser
St. John's College— <i>Jurisprudence</i>	
1923—Philip Wallenstein Buck, '23.....	Monrovia, Calif.
Wadham College— <i>Philosophy and Economics</i>	
1924—Walser Sly Greathouse, '24.....	Boise
Lincoln College— <i>Jurisprudence</i>	
1926—Harold Charles Wyman, '25.....	Colfax, Wash.
Exeter College— <i>English Literature</i>	
1927—Wallace Cable Brown, '26.....	Lewiston
Exeter College— <i>English Literature</i>	

THE JEROME J. DAY SCHOLARSHIP.—Mr. Jerome J. Day of Moscow has established in the School of Mines a loan scholarship to be awarded each year to the sophomore in the School of Mines who is a graduate of an Idaho high school and who, in the opinion of the committee, is the most deserving applicant, as demonstrated by his record during the freshman year. Under the terms of the scholarship it will be possible for each holder thereof to borrow from the scholarship fund, during his sophomore, junior, and senior years, a sum not

to exceed \$300 a year. This loan will run without interest until graduation and will bear interest at six per cent per annum from the date of the student's graduation until repaid into the Day Scholarship Fund.

UNION PACIFIC SCHOLARSHIPS.—The Union Pacific Railway system offers a series of scholarships to members of boys' and girls' clubs in agriculture and home economics in counties traversed by Union Pacific lines. The winner in each county receives as a prize either \$100 to be applied toward a regular course at the University or \$50 to be applied toward a winter short course. The scholarship also includes free transportation to and from the University, so far as the journey is over the lines of the Union Pacific. The Union Pacific also offers a similar prize open to competition by students engaged in Smith-Hughes high-school agricultural or home economics study in the county.

HOME ECONOMICS SCHOLARSHIPS.—Phi Upsilon Omicron, honorary home economics society, maintains thru the Home Economics Club seven \$50 loan scholarships. Seniors, juniors, and in special cases second-semester sophomores, in the Department of Home Economics may make application for one or more of these scholarships.

BORAH DEBATE PRIZE.—In 1907 Senator William E. Borah established an annual debate prize of \$50, which is used in building up a special library unit known as the Borah Debate Library. In the books purchased each year are inscribed the names of the three intercollegiate debaters winning highest places for the year, together with the name of Senator Borah.

THE PHILO SHERMAN BENNETT PRIZE of \$35 is awarded annually for an essay on a subject dealing with "The Principles of Free Government." The specific title is announced each year. The competition is open to all students in the University.

SCHOLARSHIP CUPS.—Thru the generosity of Mrs. Mary McClintock Upham and Congressman Burton L. French two silver cups, named the Mary McClintock Upham Scholarship Cup and the Burton L. French Scholarship Cup, are offered to the group of women or men students, respectively, the majority of whose members live in the same house or hall, and who attain for three scholastic years the highest average of scholarship of all such groups. The respective groups upon whom the cups are conferred may have their names inscribed upon them and may keep them in custody until the next award is made. The regulations governing the awarding of these cups are deposited with the University Faculty Scholarship Committee.*

*The Elisabeth Kidder Lindley Scholarship Cup was won under these rules for three years by the Pi Beta Phi sorority, which now holds the cup as a permanent trophy. The first Burton L. French Cup is similarly held permanently by the Phi Gamma Delta fraternity.

THE ALPHA KAPPA PSI PRIZE is a silver cup given by Alpha Kappa Psi, national honorary business fraternity, on which is engraved each year the name of the upperclassman in the School of Business Administration who has the highest scholastic average.

THE PHI CHI THETA PRIZE is a silver shield given by Phi Chi Theta, women's honorary business fraternity, on which is engraved each year the name of the sophomore woman in the School of Business Administration who has the highest scholastic average.

THE SONS OF THE AMERICAN REVOLUTION TROPHY, for excellence in Early American History, is a handsome bust of Washington, designed by Bianchini. This is held for a year by the organization or hall whose representative presented the best thesis the previous year in the courses in American history. The winning student receives in addition a bronze medal from the society and has his name engraved on the pedestal of the bust.

MINING AND METALLURGICAL THESIS PRIZES.—The Columbia Section, American Institute of Mining and Metallurgical Engineers, Thesis Prizes are offered each year by Columbia Section, American Institute of Mining and Metallurgical Engineers, in competition between students of the University of Idaho and the State College of Washington. These are three cash prizes of \$25, \$15, and \$10 each for the best thesis on mining, metallurgical, or geological subjects, submitted by the students of these two institutions.

FORESTRY TABLET.—Names of the four forestry students of highest scholarship each year in the four classes are engraved on a bronze tablet placed in the Administration Building by Epsilon chapter of Xi Sigma Pi.

THE SIGMA TAU SCHOLARSHIP MEDAL is given each year by the Idaho chapter of Sigma Tau, national honorary engineering fraternity, to the sophomore who in the preceding year has made the highest grades as a freshman in the College of Engineering or the School of Mines.

HONORS.—In order to promote scholarship, the Faculty adopted in 1907 a system of classified honors. Honors are of two kinds: (1) *Yearly Honors*, given at the close of each year and known as First-Year Honors, Second-Year Honors, Third-Year Honors, and Fourth-Year Honors; and (2) *Final Honors*, based upon the work of the entire course. Final Honors are given only to those who have performed the work of at least the junior and senior years in residence at the University of Idaho. They are divided into two groups known as Highest Honors and High Honors, respectively. To attain the former, a student must maintain an average of 5.666; to attain the latter, an average of 5.333. The yearly honor lists are published in

September and the final honor list is published at commencement. The arrangement of names within groups is alphabetical.

(For the list of final honors of the year 1926-27 see Part VI of the Catalog).

REGULATIONS

NOTE.—Students are held individually responsible for the information contained in these pages. Failure to read and understand these regulations will not exempt a student from whatever penalties he may incur.

A. REGISTRATION

1. **FRESHMAN DAYS.**—Two days (Sept. 12-13, 1928) immediately preceding registration for the fall semester are set aside as Freshman Days. All students entering the University for the first time, including those who have attended summer sessions only, are required to report on these days to take the Uniform English Test and other tests required of all students, and to avail themselves of the orientation lectures and conferences with deans and directors.

2. **UNIFORM ENGLISH TEST.**—All students who enter the University of Idaho either direct from the high schools or with advanced standing will take the Uniform English Test required in the higher institutions of the Northwest. Students who fail to pass the test are not permitted to take the college courses in English until they have completed Eng. A, Sub-Freshman English, without credit.

3. **REGISTRATION DAYS.**—Two days of the first week of each semester are set apart for registration, on which days all students are required to pay their fees and complete their registration. A penalty of \$1 a day is imposed for late registration, until a maximum fee of \$10 is reached.

4. **CREDIT.**—No student will receive credit for work for which he is not officially registered. No person may regularly attend any course in which he is not registered as a student or enrolled as an auditor.

5. **NUMBER OF CREDITS.**—No student may be registered for more or less than the regular schedule of credits in his curriculum without special permission of his dean; except that in the College of Letters and Science, the School of Education, and the School of Business Administration students may register for as many as eighteen credits without special permission. The total number of credits for which a student may be registered shall not in any semester exceed twenty.

6. **MATRICULATION LECTURES.**—All freshman students are required to attend a series of freshman lectures scheduled twice a month thruout the fall semester, also to attend such other lecture courses

as may be especially scheduled for freshman students in the curriculum in which they are registered.

7. **CHANGE OF CURRICULUM.**—A student may not change his curriculum except by written permission of the deans concerned. On transferring from one school or college of the University to another, a student shall be enrolled at least one year and complete two full semesters' work in residence before qualifying for a degree from the latter division. The dates upon which students may change their curricula are limited to the first two weeks of either semester.

8. **CHANGE IN STUDY LIST.**—When a student's study list has been filed, he may not change it except by the written permission of the dean of his division. After two weeks in either semester no changes will be permitted except for extraordinary reasons accepted by the academic council. Any course dropped not in accordance with the above regulations will be recorded with the grade of F for the semester.

9. **HABITUAL BAD ENGLISH.**—Any student who habitually uses bad English shall be reported by his instructor to his dean with all available evidence. If the dean considers this evidence sufficient, he will require the student to take without credit such further work in composition as may be deemed advisable in conference with the head of the Department of English.

10. **AUDITORS.**—Mature persons not enrolled in the University may be admitted as auditors to the lectures in any course upon written approval of the registrar and the instructor in charge of the course. Students in the University are not admitted as auditors without the approval of their dean. Auditors are not permitted to take part in recitations and discussions, and attendance as an auditor does not entitle one to credit or to admission to regular examinations in the course.

11. **REGISTRATION FOR NON-RESIDENT COURSES.**—Students may enroll for non-resident work at any time except when they are in residence at the University. Resident students are not permitted to carry non-resident work. Courses not completed before students register or re-register in the University are automatically dropped at date of such registration. Non-resident students failing to complete courses for which they have registered will be dropped at the end of twelve months. Students who have been automatically dropped under either of the above provisions may be reinstated upon the payment of a fee of \$1.

B. CREDIT

12. **"CREDIT"** is a quantitative term applied to work at the University and is determined by the number of recitation-hours each week for a semester. Thus, a course meeting three times a week for one semester is called a three-credit course. Three hours' work in

a laboratory, shop, or field is counted as the equivalent of one recitation-hour. The latter presupposes two hours of outside preparation.

13. CREDIT FOR LESS THAN ONE YEAR'S WORK.—Certain subjects are continuous courses covering at least one year's work, and in these no credit is allowed toward graduation until the second semester's work is completed. Such courses are indicated by the letter "n", i. e., Fr. 1n.

14. CREDIT FOR REVIEW SUBJECTS.—No college credit will be given for subjects taken in high school and reviewed in college unless those courses are in excess of sixteen units offered for admission.

15. CREDIT FOR NON-RESIDENT OR CORRESPONDENCE WORK will be accepted as counting toward a degree subject to the completion of one year's work in residence in the University and subject to the further limitation that the maximum amount of such work shall under no condition exceed 32 credits.

16. CREDIT FOR WORK DONE DURING VACATION is discouraged. No credit for such work will be granted except by petition in advance to the academic council, in which case not more than one credit per week may, in exceptional circumstances, be permitted.

C. MAJOR STUDY

17. MAJOR STUDY.—A major consists of from sixteen to twenty credits of advanced work in one department (i. e., work in courses numbered above 100, except when specifically noted in the departmental statements).

D. GRADES, EXAMINATIONS, AND GRADUATION

18. SIX-WEEK GRADING SYSTEM.—Grades are filed in the office of the registrar at intervals of six weeks thruout the year. The grade at the end of the first six weeks denotes the rating of the student for that period; the grade at the end of twelve weeks is the rating for that period and takes into account the first six weeks; while the final or semester grade at the end of the eighteen weeks takes into account all work thruout the semester.

19. GRADES are reported as A (90-100); B (80-89); C (70-79); D (60-69); F (below 60); Inc.; or W. The first four are passing grades; "F" denotes failure; "Inc." incomplete; and "W," withdrawal by permission while doing passing work.

20. "INCOMPLETE" denotes lack of quantity rather than lack of quality. It is given when the student, altho doing satisfactory work, has for adequate reasons been unable to complete the course within the specified time. In case of withdrawal, the grade of "incomplete" is not given unless withdrawal occurs within the last three weeks of the semester. An incomplete not removed within three weeks after

the student's return to the University automatically becomes a "failure." A permit for extension of time may, under exceptional circumstances, be granted by the dean and the instructor concerned. Such permit, to be effective, must be filed in the registrar's office prior to the above date. The privilege of making up incompletes is extended only to persons registered in the University.

21. "FAILURE" denotes that the work of a student in a given subject is of such poor quality that credit may be obtained only by repeating the course.

22. "WITHDRAWAL."—A student who desires to withdraw from the University must apply to his dean for an indefinite leave of absence. Failure to file such a leave of absence in the registrar's office within ten days after withdrawal will result in the forfeiture of any balance of his general deposit which may remain in the office of the bursar. A student who withdraws for any reason receives a semester grade of F in all courses in which he is deficient.

23. "PROBATION" is the status of a student who, because of failure to receive a passing grade in at least twelve credits, or for other appropriate reasons, is for a specified period deprived of certain privileges and is subject to dismissal from the University. Students dropped for unsatisfactory scholarship will be placed on probation should they subsequently register in the University. A student on probation is disqualified from representing the University in any extra-curricular activity, except that students on probation due to high-school grades are not disqualified from participation in extra-curricular activities during the first six weeks of any semester. In order to remain in the University a student placed on probation must at the end of the probation period be doing passing work either in eleven credits exclusive of those taken in review or in all but one subject; except that freshmen and special students in their first semester in college may be allowed to remain if they have passed in nine credits or in all but one subject.

24. ABSENCE FROM FINAL EXAMINATIONS.—A student who absents himself from a regular semester examination without valid excuse receives an F. If the excuse is valid, and the work of the semester satisfactory, the student receives an Incomplete.

25. SPECIAL EXAMINATIONS.—Any irregular examination shall be considered a special examination and shall entail the payment of a special examination fee of \$1.

26. RESIDENCE REQUIREMENT.—A student in order to be eligible for the bachelor's degree must do at least one year's work in residence. If the term of residence is only one year, it must be the senior year. A year's work is interpreted as one-fourth of the total requirements for the degree sought.

27. AVERAGE GRADE REQUIRED FOR GRADUATION.—A student, in order to be eligible for graduation, must have grades of C or above in three-fourths of the credits required in his curriculum and received in residence.

28. APPLICATION FOR BACCALAUREATE DEGREE.—Any student who expects to receive a baccalaureate degree must, at the beginning of the last semester or summer session in residence, file a petition to be admitted as a candidate. No application for a degree at a given commencement will be accepted after February 15.

29. GRADES TO PARENTS AND HIGH SCHOOLS.—The grades of all freshman and sophomore students at the close of each semester are forwarded to parents or guardians and to the high school which the student last attended.

E. RATING AND ELIGIBILITY

30. CLASS RATING.—A student in order to be rated as a freshman must have met the entrance requirements (fifteen units). To be rated with an advanced class a student may not be more than eight credits behind the curriculum requirement for entering that class in a given semester. Thus, for example, a B.A. student who has twenty-four credits at the beginning of the first semester may be ranked a sophomore, whereas at the beginning of the second semester he must have forty credits to be so ranked.

31. ELIGIBILITY TO REGISTER.—A student, at the end of any semester, must have received a passing grade in eleven credits or a passing grade in all but one subject of registered residence work in order to be eligible for registration the following semester; except that freshmen and special students in their first semester in college may be allowed to register the following semester if they have passed in nine credits or in all but one subject, and that students in the College of Law who have passed in two-thirds of their work are eligible to continue.

A student dropped from the rolls of the University for the second time is no longer eligible for re-instatement.

Students entering the University of Idaho from other institutions must comply with the same scholarship regulations as are provided for students who have been previously enrolled in this University.

32. ELIGIBILITY.—No student may represent this institution in any athletic contest, debate, play, or other extra-curricular activity, neither may he be a candidate in any final election for A. S. U. I. offices, if five days before such event, he is on probation,* or has not a passing grade in at least eleven credits of current work applicable toward a degree, or has not passed in two-thirds of the normal work

*Students on probation due to high-school grades are not disqualified from participation in extra-curricular activities during the first six weeks of any semester.

of the curriculum in which he was enrolled for his previous semester in residence in this or any other institution. Should any student during his term of office become ineligible under the above rule, he must immediately resign from office, and discontinue his official duties for the remainder of his term. The eligibility of all candidates for extra-curricular activities must be certified by the registrar's office before participation.

F. ABSENCES

33. ABSENCES DUE TO ACTIVITIES.—No student may be absent from the campus in connection with extra-curricular activities more than sixteen working days a semester. No one extra-curricular activity (basketball, glee club, debate, etc.) may take students away from the campus more than twelve instructional days.

34. ABSENCES BEFORE AND AFTER VACATIONS.—Students who absent themselves from class immediately before or after vacation (exclusive of single holidays) shall have their final grade reduced ten points in each course in which absence was incurred. Absences before and after vacations date from the last class the student attended prior to the vacation, to the first class attended after vacation.

35. CONCERTED ABSENCES.—Students who participate in any unauthorized, concerted action to absent themselves from class shall have their final grade reduced ten points in each course affected by such absence.

36. GENERAL ATTENDANCE.—The following regulations concerning absences are in force for the school year 1927-28:

(a) Non-attendance at any required class or laboratory exercise, field trip, or written test constitutes an absence. Absences incident to late registration or early withdrawal from the University are included in the above.

(b) Each unexcused absence entails a loss of one-tenth of one credit from the possible total.

(c) No absence shall be cancelled or excused by an instructor in any case. All omitted work, including required tests or quizzes, shall be made up at the convenience of the instructor.

(d) Absences due to illness shall be excused in the registrar's office upon the filing therein by the student of a statement signed by a physician, the resident nurse, parent, or chairman of the committee on health and housing, certifying that the student was necessarily absent on account of illness. Such certificate must specify the dates of such illness and must be filed within three days after the student's return to the University.

The deans have power to excuse absences due to other unusual causes by filing a report in the registrar's office within three school days after the student's return to the University.

(e) Students who have attained an average of 5.000 in the work of any semester shall be excused from the provisions of the University regulation governing general attendance the following semester; provided that such privilege may be withdrawn at any time upon evidence that it is being misused; and that such excuses do not exempt a student from any of the required work of a course or from the ten-point cut in grades for absences at certain specified times.

(f) The limit of unexcused absences in any course, subsequent to registration therein, shall be twice the number of class meetings per week in that course; and if a student is absent in excess of that limit, he shall be dropped from the course with a grade of F, subject to the approval of his dean.

(g) Students are responsible for their attendance without notification from the registrar's office as to their absences.

G. MISCELLANEOUS

37. SOCIAL ORGANIZATIONS.—Student organizations, including fraternities, sororities, and clubs, are under the supervision of the faculty committee on student organizations. In order to receive permission to form such an organization or to petition for a charter from a national organization, it is necessary to petition this committee.

38. STUDENT EVENTS.—In order to receive permission for any student event, it is necessary to petition the faculty committee on calendar.

39. AUDITING OF ACCOUNTS.—All funds for public purposes within the University (except those of the A.S.U.I., fraternities, sororities, and boarding house organizations) which are contributed to or collected by any student or member of the faculty shall be deposited with the University bursar, subject to withdrawal upon the written approval of the president, or of the bursar in the president's absence; and an accounting of all receipts and expenditures in these funds shall be made by those responsible for their collection immediately after they shall have been disbursed, this accounting to be audited by the bursar.

40. CONDUCT.—Students are held responsible for any breach of the recognized rules of conduct.

41. SMOKING.—Smoking in University buildings is forbidden.

UNIVERSITY ORGANIZATIONS

STUDENT AFFAIRS

A. S. U. I.—The Associated Students of the University of Idaho is an organization of the whole student body, formed to control and direct student activities. It recognizes six principal departments: athletics, publications, debate, music, dramatics, and intercollegiate

competition in agriculture. These are under the financial control of a graduate manager, subject to the general supervision of the executive board of the Associated Students. In athletics, the University of Idaho is a member of the Pacific Coast Intercollegiate conference. Contests are arranged annually in football, basketball, baseball, tennis, and track athletics with the principal institutions of Washington, Oregon, California, and Montana. In debate and oratory the University is a member of the Pacific Coast Forensic League.

THE ASSOCIATED WOMEN STUDENTS.—This organization of all women students seeks "to regulate all matters pertaining to the student life of its members which do not fall under the jurisdiction of the faculty; to effect a greater unity and a spirit of mutual helpfulness; and to promote and maintain the higher standards of university life." Regulations are enforced by a representative council. Copies of these regulations will be sent on application.

THE WOMEN'S ATHLETIC ASSOCIATION is composed of women students who take active part in athletics.

THE "I" CLUB is composed of men who have won the official University athletic "I", awarded for participation in intercollegiate contests.

MORTAR BOARD is a national honorary society of women, which selects its members from the senior class.

THE SILVER LANCE is an organization of senior men who are above the University average in scholarship and who have shown a tendency to distinguish themselves in college activities.

THE BLUE KEY is an honorary service fraternity of junior and senior men, affiliated with a national organization.

THE INTERCOLLEGIATE KNIGHTS are an honorary organization of underclass men, whose purpose is to entertain University visitors and to uphold University traditions. The organization is affiliated with similar chapters in other universities.

THE SPURS belong to a national organization of women similar in purpose to the Intercollegiate Knights. Members are chosen from the sophomore class.

THE ATILA CLUB is an honorary service organization whose members are chosen from among the men of the sophomore class.

THE COSMOPOLITAN CLUB exists primarily for students from other lands who are enrolled in the University. However, American students are eligible to membership. The purpose is to promote international brotherhood and mutual friendship and understanding.

THE ASSOCIATED STUDENTS OF LINDLEY HALL is a society of dormitory men, maintained for self-government and promotion of the common welfare.

DALETH TETH GIMEL is composed of women students who are residents outside the University halls and the sorority houses.

TAU MEM ALEPH is an organization of men students who do not reside in the University halls or the fraternity houses.

RELIGIOUS

Religious activities among the students are promoted energetically by the Moscow churches, of which there are more than a dozen, representing all shades of religious faith. Young people's societies and Sunday school classes of these churches are organized especially with a view to serving students' needs. Religious organizations of university people are the following:

Y. W. C. A.—The Young Women's Christian Association stands for the highest type of womanhood and has for its purpose the development of Christian character among the students of the University.

DESMET CLUB.—The DeSmet Club is an organization of the Roman Catholic students of the University which meets monthly for study and social purposes.

THE EPISCOPAL CLUB, affiliated with the National Student Council, is composed of persons belonging to or preferring the Episcopal church. It holds monthly meetings for study and entertainment.

THE WESLEY FOUNDATION, established by the Methodist Episcopal church for University students, works for its constituency thru what is known as the *Wesley Club*, conducted by and for students, and organized in eight departments.

LUTHERAN STUDENT ASSOCIATION.—The Lutheran Student Association of America, which has a chapter at the University of Idaho, seeks to promote acquaintanceships among Lutheran students and to afford them opportunity to consider and act upon their common problems and to strengthen and encourage one another in Christian faith and loyalty to the church.

WESTMINSTER CLUB.—The Westminster Club is composed of students affiliated with the Presbyterian Church.

CHRISTIAN SCIENCE SOCIETY of the University of Idaho is composed of students and faculty members, who have their own officers and organization. Regular meetings are held.

FRATERNAL

FRATERNITIES.—Eleven national fraternities have chapters at the University: Kappa Sigma, Phi Delta Theta, Beta Theta Pi, Sigma

Nu, Sigma Alpha Epsilon, Phi Gamma Delta, Sigma Chi, Delta Chi, Alpha Tau Omega, Lambda Chi Alpha, and Tau Kappa Epsilon. There is one local fraternity, Beta Chi. All are represented in the Inter-Fraternity Council, which unites them to serve the interests of the University and to promote among themselves a spirit of good feeling and cooperation.

SORORITIES.—National sororities which have chapters at the University are Delta Gamma, Gamma Phi Beta, Kappa Kappa Gamma, Kappa Alpha Theta, Pi Beta Phi, and Alpha Chi Omega. There are two local sororities, Pi Sigma Rho, and Omega Alpha. In the Women's Pan-Hellenic Association they are united to promote University and sorority interests and to prescribe rules under which invitations to sorority membership are extended.

HONORARY, PROFESSIONAL, AND DEPARTMENTAL

PHI BETA KAPPA.—Alpha of Idaho of Phi Beta Kappa is a chapter of the oldest Greek letter organization, founded in 1776 at William and Mary College for encouragement of "fraternity, morality and literature." At the beginning or end of the senior year, students who show evidence of scholarly tendency and future promise are chosen from the honor list of candidates for the Bachelor of Arts and Bachelor of Science degrees in the College of Letters and Science. For significant achievement in the fields of literature, art, science, education, or public service, persons other than alumni may be elected to honorary membership, and alumni, usually of at least fifteen years' standing, may be elected to alumni membership. The active membership includes faculty, student, and other members resident in Moscow.

SIGMA XI.—The object of this national honorary scientific society is to encourage original investigation in science, pure and applied. This object is attained by the holding of meetings for the discussion of scientific subjects; the establishment of fraternal relations among the investigators in the field of science; the publication, if desirable, of the results of scientific investigations; and the election to membership of senior students who have given promise of future achievement in the field of science, and also of graduate students and faculty members on the completion of research work of merit.

ALPHA ZETA.—Alpha Zeta is a national honorary agricultural fraternity with chapters in the leading agricultural colleges of the United States. Seniors and juniors, and sophomores in the second semester, whose scholarship places them in the upper two-fifths of their classes, are eligible for election.

XI SIGMA PI.—This is a national honorary forestry fraternity which seeks to secure and to maintain a high standard of scholarship in forestry education, to work for the upbuilding of the profession of forestry, and to promote fraternal relations among workers in forest activities.

PHI UPSILON OMICRON.—Phi Upsilon Omicron is a national honorary home economics sorority. Members are elected from among seniors, juniors, and second-semester sophomores who are in the upper two-fifths of their classes in scholarship.

PHI ALPHA DELTA.—This is a national fraternity of the legal profession, which seeks to promote scholarship among its members and to encourage a spirit of fellowship both before and after graduation.

SIGMA TAU.—This is a national honorary engineering fraternity, with members selected from among the juniors and seniors of the College of Engineering and the School of Mines, whose scholarship places them in the upper third of their respective classes.

PI LAMBDA THETA is a national honor society of women students in the School of Education, the eligibility requirement being a grade of 5.333 or higher at the middle of the junior year.

SIGMA DELTA PI is a national honorary Spanish fraternity which admits juniors and seniors who have obtained at least nine advanced credits in Spanish with an average of B or better.

ALPHA KAPPA PSI is a national honorary fraternity, limited to junior and senior men with B or higher grades in the School of Business Administration.

PHI CHI THETA is an honorary fraternity limited to junior and senior women with B or higher grades in the School of Business Administration.

AGRICULTURAL CLUB.—The students and instructors of the College of Agriculture are organized into a club that holds regular weekly meetings in the form of an agricultural assembly with a program of special reports.

ASSOCIATED ENGINEERS OF THE UNIVERSITY OF IDAHO.—This is a society of the students of all departments of engineering. Regular meetings are held monthly. Talks from visiting engineers, and moving pictures illustrating engineering processes give variety to the regular programs. Student chapters of the *American Institute of Electrical Engineers*, the *American Society of Mechanical Engineers*, and the *American Society of Civil Engineers* form subdivisions of the Associated Engineers.

ASSOCIATED FORESTERS.—This is an organization of the students and faculty of the School of Forestry, which holds bi-weekly meetings to hear addresses by men prominent in the forestry profession and the lumber industry, or to review the current literature on forestry and lumbering.

ASSOCIATED MINERS.—The Associated Miners is an organization of the students in the School of Mines, before which papers are read

by members of the faculty, students, visiting mining men, and alumni. It is affiliated with the American Institute of Mining Engineers.

ENGLISH CLUB.—The purpose of the English Club is to foster an interest in literature and composition and in all forms of student activities related to the work of the Department of English. All instructors and major students in the department are *ex-officio* members, while all students writing for the *Argonaut*, the *Gem of the Mountains*, or the *Blue Bucket*, or participating in intercollegiate debates or college dramatics are eligible to membership. Meetings are held once a month, when the program is furnished either by the members of the club or by some invited guest.

THE WINGED HELMET is a literary fraternity which seeks to stimulate interest in literature and composition and to induce students to write for the University literary magazine, the *Blue Bucket*, or for other periodicals.

THE CURTAIN is a dramatic fraternity composed of students and faculty members who have passed certain eligibility requirements in dramatic work at Idaho in acting, playwriting, or play-production. It undertakes work corresponding to that of the Drama League by giving a series of reading plays thruout the year, and is also responsible for dramatic production at commencement.

DELTA SIGMA is composed of men professionally interested in newspaper work.

THETA SIGMA is a local fraternity for women, designed to develop professional interest in journalism.

DELTA SIGMA RHO is a national honorary debating fraternity, for which the eligibility requirement is participation in intercollegiate debate or oratory.

HOME ECONOMICS CLUB.—The Home Economics Club is an organization of all students registered in Home Economics. It is affiliated with the American Home Economics Association and the State Federation of Women's Clubs. A delegate is sent by the club to the meeting of the latter each year.

PRE-MEDICAL CLUB.—This is an organization of pre-medical students. The purpose of the club is partly social and partly scientific.

THE BENCH AND BAR ASSOCIATION is an organization of the law students which promotes the extra-curricular interests of the College of Law.

THE PRE-LEGAL ASSOCIATION is an organization of those students in the University who are preparing to enter the College of Law. Its function is to promote high standards of pre-legal education.

SCABBARD AND BLADE.—The local organization of cadet officers formerly known as *The Achilles Society* has been granted a charter from the national fraternity, under the designation of *Company B, Sixth Regiment, Scabbard and Blade*.

SIGMA ALPHA IOTA is a national organization of young women specializing in music. A major or minor in music is the eligibility requirement.

ALPHA PSI grants membership in recognition of ability in art.

THE EDUCATIONAL SOCIETY OF THE UNIVERSITY, composed of juniors and seniors in the Department of Education, is authorized to petition for a chapter of Kappa Delta Pi, honorary educational fraternity.

MU BETA BETA is a national fraternity of students who have participated in club work in agriculture and home economics. The Idaho chapter was first known as the *Idaho 4H Club*.

THE FLORENCE NIGHTINGALE CLUB is composed of women registered in the Pre-Nursing and Pre-Medical Curricula.

MUSICAL

THE TREBLE CLEF CLUB is the glee club of the women students. It is under supervision of the Department of Music.

THE UNIVERSITY GLEE CLUB, likewise supervised by the Department of Music, is the men's glee club.

THE CHORAL SOCIETY is composed of the membership of both glee clubs and other qualified students and townspeople. Rehearsals, under direction of the Department of Music, are held for the study and rendition of oratorios and mixed choruses.

THE UNIVERSITY ORCHESTRA, which is under supervision of the Department of Music, is open to all students of the University.

THE CADET MILITARY BAND.—The band is part of the Reserve Officers' Training Corps and is under the direction of the Band Leader, U. S. Army.

THE PEP BAND is a student organization which furnishes music at games, rallies, and other University events. It has also been developed as a concert band, under faculty direction.

PUBLICATIONS

THE UNIVERSITY OF IDAHO BULLETIN.—This is published at least quarterly and consists of the following issues: the University Catalog; the announcement of the Summer School; announcements of the various colleges, schools, and departments; the Alumni Directory and

news bulletins; the illustrated booklet describing the University; the biennial report of the president.

THE NEWS LETTER.—The University publishes monthly the *News Letter*, devoted chiefly to agricultural news and articles. It will be sent free of charge to anyone making application to the News Letter Committee.

THE AGRICULTURAL EXPERIMENT STATION BULLETINS.—These are full accounts of the results of investigation by the staff of the Agricultural Experiment Station.

THE AGRICULTURAL EXTENSION BULLETINS.—These are published frequently and embody the latest information obtainable upon questions of agriculture and home economics in non-technical language.

THE ANNUAL REPORT OF THE EXPERIMENT STATION.—The annual report of the director is made to the Chief of the Office of Experiment Stations, United States Department of Agriculture, and to the Governor of Idaho, setting forth in detail the results, progress, and plans of the station.

THE UNIVERSITY ARGONAUT.—This is a semi-weekly paper published during the school year by the Associated Students.

THE GEM OF THE MOUNTAINS.—This is an illustrated book published annually by the Associated Students.

THE BLUE BUCKET is a literary and humorous quarterly published by the Associated Students.

THE IDAHO FORESTER is an annual published by the Associated Foresters.

THE IDAHO FORESTRY BULLETIN is published by the School of Forestry.

THE IDAHO ENGINEER is published by the students of the College of Engineering.

THE IDAHO ECONOMIC BULLETIN is published by the School of Business Administration.

COLLEGE OF LETTERS AND SCIENCE

W. T. ANGELL, PH.D.
JAY ROBERT EMMETT, PH.D.
AND EUGENE HENRY, M.A.
JAY ROBERT EMMETT, PH.D.
HAROLD JAMES, PH.D.
KARL L. JENSEN, M.S.
JAMES EDWARD WOODWARD, PH.D.
THOMAS EDWARD, M.A.
JAMES EDWARD, M.A.

PART II

THE UNIVERSITY'S SCHOOLS

AND COLLEGES

WITH THEIR CURRICULA

COLLEGE OF LETTERS AND SCIENCE

M. F. ANGELL, PH.D.	Dean of the College
JAY GLOVER ELDRIDGE, PH.D.	Acting Dean of the College
ADA EULALIA BURKE, M.A.	Secretary of the College Faculty
JAY GLOVER ELDRIDGE, PH.D.	Chairman of the Curriculum Committee
HAROLD LUCIUS AXTELL, PH.D.	Chairman of the Scholarship Committee
KATHERINE JENSEN, M.S.	Director of the Home Economics Curriculum
JERRY EDWARD WODSEDALEK, PH.D.	Director of the Pre-Medical and Pre-Nursing Curricula
THEODORE KRATT, MUS.B.	Director of the Music Curriculum
DAVID C. LANGE, M.S. (ARCH.)	In Charge of the Architectural Curriculum*

For requirements for admission to the College of Letters and Science see page 19 and following.

Courses are offered in the College of Letters and Science† leading to the degrees of Bachelor of Arts, B.A.; Bachelor of Science, B.S.; Bachelor of Science in Home Economics, B.S.(H.Ec.); Bachelor of Science in Pre-Medical Studies, B.S.(Pre-Med.); Bachelor of Music, B.M.; Bachelor of School Music, B.S.M.; Bachelor of Science in Architecture, B.S.(Arch.); Bachelor of Science in Pre-Nursing Studies, B.S.(Pre-Nurs.); and Bachelor of Science in Pharmacy, B.S.(Phar.)

LABORATORIES AND EQUIPMENT

BACTERIOLOGY.—This equipment is described in the outline of work of the College of Agriculture.

BOTANY.—This department occupies seven rooms on the second floor of Science Hall. The freshman laboratory is capable of accommodating over two hundred students in three sections. One laboratory is devoted to advanced morphology and mycology. Another is devoted to plant physiology and ecology. There is also another laboratory for advanced plant physiology. Another room, on the first floor, is used for taxonomy and the herbarium. There are, in addition, two offices, one large research laboratory, a physiological dark room and store room. Among the more important items are sixty compound microscopes, twenty-five dissecting microscopes, a Bausch and Lomb rotary microtome, electric paraffin oven, the Freas electric oven, three analytical balances, and Leeds and Northrup potentiometer. Collections consist of working herbaria for taxonomy and mycology, pre-

*First semester, 1927-28.

†Students who desire to teach in Idaho high schools after graduation must obtain fifteen credits in Education in order to secure a state certificate. Course 5 must be included. Students finding it necessary to teach after two years of college work must have taken ten credits in Education in order to secure an elementary certificate. Course 5 must be included.

served material for class use and for demonstration purposes, and a large collection of prepared slides for use in morphology.

CHEMISTRY.—The Department of Chemistry occupies twenty-one rooms on the first, second and third floors of Science Hall. The department office is on the second floor, east entrance. The various laboratories are located as follows: freshman, two laboratories, third floor; sophomore, third floor west end; analytical, third floor east end; organic, second floor east end; physical, second floor east entrance; research, third floor west end. The laboratories are newly furnished with specially designed furniture and fully equipped with water, gas, drainage, electric current (alternating and direct), steam, distilled water, forced ventilation for hoods, suction, pressure, reagents, and the necessary apparatus. It is the policy of the department to add from year to year to its equipment, special apparatus for advanced work and research. The department library is on the second floor, off of the organic laboratory. The library contains several complete files of annual reports, transactions, and year-books of chemical societies. The current numbers of twenty-four periodicals, and more or less extended files of these are available. The advanced laboratories and chemical library are open all day, including Saturday.

GEOLOGY.—See under School of Mines.

HOME ECONOMICS.—The department is well-equipped for offering the many phases of home economics work. There are two large laboratories in foods, a clothing and textile laboratory, two art rooms, and a practice dining-room, in the Administration building. The home-nursing courses are given by a trained nurse. A practice cottage is also provided, where the students live for a given period, putting into actual practice the principles of household administration and management.

MUSIC.—The Music Department occupies three buildings, Music Hall, Music Hall Annex, and Bartley Cottage. In these buildings are studios for instructors and practice rooms for students. Good pianos are provided for all and are kept in good condition at all times. The department is well supplied with all other necessary equipment.

PHYSICS.—The laboratories of the department of physics are now divided, the elementary and general physics laboratories being located in the basement of Science Hall and the laboratories for advanced work in the Administration Building, one room on the main floor and two in the basement. The general laboratory is a large room, well lighted and adequately equipped. In the Administration Building, one room is devoted to electricity and magnetism, with some work in the measurement of high temperatures. There is a fair equipment for standardization work in mechanics, heat, light, electricity, and magnetism. Room is also available for more ad-

vanced students, who desire to pursue a particular line of investigation. A shop is also maintained for the repair and manufacture of apparatus.

PSYCHOLOGY.—See under School of Education.

ZOOLOGY.—This department occupies twelve rooms on the third and fourth floors of the west wing of the new Science Hall. Among the more important items of equipment are one-hundred-twenty compound microscopes; one-hundred-twenty dissecting microscopes; sixteen Triple nose-piece microscopes equipped with oil immersion lenses, mechanical stages, and daylight lamps; two Zeiss Binocular dissecting microscopes with Porro prisms; two Bausch & Lomb rotary microtomes; a Universal Balopticon with a large microscope; a full-sized, totally dissectible manikin; paraffin ovens; incubators; aquaria; and considerable physiological apparatus. The department is well equipped for teaching and research in the various phases of zoology, cytology, embryology, histology, physiology, anatomy, and genetics. The collections of the department are extensive in fishes, marine invertebrates, skeletons, and especially in insects; sufficient material in other groups is at hand to illustrate the more essential features of each. There are about six thousand slides in zoology, histology, cytology, embryology, and neurology. Several of the leading periodicals in zoology and genetics are taken.

BACHELOR OF ARTS CURRICULUM

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. Composition.....	3	Eng. 2. Composition.....	3
Mil. 1. Freshman Military or P.E. 1a-1b. Freshman Course.....	2	Mil. 2. Freshman Military or P.E. 2a-2b. Freshman Course.....	2
*Social Science.....	3	*Social Science.....	3
Foreign Language.....	3-5	Foreign Language.....	3-5
†Science or Second Language.....	4-5	†Science or Second Language.....	4-5
Elective.....	0-3	Elective.....	0-3
Total.....	14-18	Total.....	14-18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Devel. of Eng. Lit.....	3	Eng. 12. Devel. of Eng. Lit.....	3
Foreign Language (Continued).....	3-4	Foreign Language (Continued).....	3-4
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
or P.E. 3. Sophomore Course.....	1	or P.E. 4. Sophomore Course.....	1
†Science or Second Language.....	4-5	†Science or Second Language.....	4-5
‡Elective.....	3-8	‡Elective.....	3-8
Total.....	15-18	Total.....	15-18

*Social Science includes Hist. 1-2, Hist. 9-10, Hist. 13-14, and Econ. 21-22.

†Science includes bacteriology, botany, chemistry, geology, mathematics, physics, psychology, and zoology. If not begun in the freshman year, science must be begun in the sophomore year. Students wishing to major in music may substitute music for science or second language in the freshman year and for an elective in the sophomore year.

‡Electives should be chosen with due regard for the major. (See statement concerning majors and prerequisites.) If a grade of D has been made in Eng. 1-2, then Eng. 3 (Supplementary Composition, 2 credits) is required.

BACHELOR OF SCIENCE CURRICULUM FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
Foreign Language	3-5	Foreign Language	3-5
Two from the following:		Two from the following:	
a. Chem. 1. Gen. Chem.		a. Chem. 2. Gen. Chem.	
b. Math. 1. Fresh. Math.		b. Math. 2. Fresh. Math.	
c. Bot. 1 or Zool. 1.	8	c. Bot. 2 or Zool. 2.	8
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course.....	2	P. E. 2a-2b. Freshman Course.....	2
Total	16-18	Total	16-18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11, 13, or 15. Literature.....	2-3	Eng. 12, 14, or 16. Literature.....	2-3
*Foreign Language (Intermedi- ate or Scientific)	3-4	*Foreign Language (Intermedi- ate or Scientific)	3-4
§Phys. 1. General Physics.....	4-5	§Phys. 2. General Physics.....	4-5
Mil. 3. Sophomore Military		Mil. 4. Sophomore Military	
or		or	
P.E. 3. Sophomore Course.....	1	P.E. 4. Sophomore Course.....	1
†Elective	2-8	†Elective	2-8
Total	14-18	Total	14-18

JUNIOR AND SENIOR YEARS

Of B.A. and B.S. Curricula

MAJOR STUDY.—At the beginning of the junior year the student must elect a major and a minor subject. A major consists of from sixteen to twenty credits of advanced work in one department (i. e., work in courses numbered above 100, except when specifically noted in departmental statements). Requirements for the majors in the several departments are represented beginning on page 52.

A minor consists of from eight to twelve credits of advanced work in another department. In science departments where more than one year is required before taking up advanced work the second year may be counted, provided the full twelve credits are offered by the student.

A major for the degree of Bachelor of Arts may at present be selected in (a) Economics, (b) Political Science, (c) English, (d) French, (e) German, (f) Greek, (g) European History, (h) American History, (i) Latin, (j) Law, (k) Music, (l) Philosophy, (m) Spanish, (n) Journalism, or (o) Dramatics and Public Speaking.

A major for the degree of Bachelor of Science may at present be selected in (a) Bacteriology, (b) Botany, (c) Chemistry, (d) Geology, (e) Mathematics, (f) Physics, (g) Psychology, or (h) Zoology.

*A second year of foreign language is not required if Intermediate or Scientific was completed the freshman year.

§Unless both chemistry and mathematics were taken both semesters of the previous year.

†Electives should be chosen with due regard for the major. (See statement concerning majors and prerequisites.) If a grade of D has been made in Eng. 1-2, then Eng. 3 (Supplementary Composition, 2 credits) is required.

NATURAL AND SOCIAL SCIENCES.—For the degree of Bachelor of Arts *fourteen* credits are required in the natural sciences (including mathematics), *eight* credits of which must be in one laboratory year-course, and *eighteen* credits in the social sciences, the latter specified as follows: *six* credits in history; *six* in economics, political science, or sociology; and *six* in either Greek and Roman Civilization (Hist. 13-14) or philosophy.

For the degree of Bachelor of Science *twelve* credits are required in the social sciences, and *eight* in biological science before the senior year (biological science to include bacteriology, botany, psychology, and zoology).

ADVANCED WORK.—For either the degree of Bachelor of Arts or Bachelor of Science a minimum of thirty-six credits in advanced work must be presented.

FREE ELECTIVES.—In addition to the above requirements, a sufficient number of free electives must be taken to complete the total number of 128 credit-hours required for the degree.

MAJOR REQUIREMENTS

Major requirements of the several departments, under the provisions outlined above for candidates for the B.A. or B.S. degree, are as follows:

Bacteriology

PREREQUISITE

General Bacteriology (Bact. 101).

MAJOR

Sixteen to twenty credits from the following:

	Credits
1. Pathogenic Bacteria (Bact. 104)	3
2. Bacteriological Technique (Bact. 105)	2
3. Dairy Bacteriology (Bact. 106)	3
4. Immunity (Bact. 109)	3
5. Serology (Bact. 110)	3
6. Research . Special Problems and Methods	3-10
7. Seminar (Bact. 111-112)	1- 2
8. Public Health Methods (Bact. 113)	2- 5

Botany

PREREQUISITES

	Credits
General Botany (Bot. 1-2)	8
Systematic Botany (Bot. 13-14)	6

MAJOR

At least 16 credits chosen from the following, which must include Courses 102 and 121-122:

	Credits
Plant Physiology (Bot. 102)	4
Plant Histology (Bot. 104)	4
Plant Mycology (Bot. 107)	4
Advanced Morphology (Bot. 121-122)	8

Chemistry

PREREQUISITES

General Chemistry (Chem. 1-2)
Qualitative and Gravimetric Analysis (Chem. 3)
Quantitative Analysis (Volumetric) (Chem. 4)

MAJOR

Nineteen or twenty credits chosen from the following:

	Credits
Organic Chemistry (Chem. 101-102)	8
Advanced Quantitative Analysis (Chem. 103)	2
Special Quantitative Analysis (Chem. 104)	3
Physical Chemistry (Chem. 105-106)	6
Biochemistry (Chem. 111-112)	8
Industrial Chemistry (Chem. 107-108)	6

Dramatics

See under ENGLISH

Economics

PREREQUISITES

FOR BOTH MAJORS

1. American Government (Econ. 21-22)
2. Principles of Economics (Econ. 11-12)

MAJOR IN ECONOMICS (16 Credits)

	Credits
1. Money and Banking (Econ. 105-106)	6
2. Labor Problems (Econ. 111) or	
3. History of Economic Thought (Econ. 159)	3
Selection from the following with the approval of the head of the department to complete the major:	
4. Public Finance (Econ. 109)	3
5. Principles of Sociology (Econ. 141-142)	6
6. Transportation (Bus. 108)	3
7. Marketing (Bus. 169-170)	6
8. Risk Bearing and Insurance (Bus. 178)	3

MAJOR IN POLITICAL SCIENCE (16 Credits)

	Credits
1. State Government (Econ. 123)	3
2. City and County Government (Econ. 124)	3
3. Comparative Government (Econ. 125)	3
4. Theory of the State (Econ. 126)	3
5. Political Parties (Econ. 132)	2
Selection from the following with the approval of the head of the department to complete the major:	
6. Principles of Sociology (Econ. 141-142)	6
7. History of Economic Thought (Econ. 159)	3
8. Public Finance (Econ. 109)	3
9. Labor Problems (Econ. 111)	3
10. Government Regulation of Business (Bus. 167-168)	4

English

PREREQUISITES

FOR ALL MAJORS

1. English Composition (Eng. 1-2)
2. Development of English Literature (Eng. 11-12)

ENGLISH MAJOR (20 credits)

	Credits
1. Old English (Eng. 131)	3
2. Middle English and Chaucer (Eng. 132)	3
3. Dramatic Influences upon Shakespeare (Eng. 141)	3
4. Shakespeare (Eng. 142)	3
Choice of the following, with the approval of the head of the department, to complete the major:	
5. Elizabethan Literature (Eng. 111)	2
6. Shakespeare to Dryden (Eng. 112)	2
7. Restoration and Queen Anne Ages (Eng. 113-114)	4
8. Romantic Prose and Poetry (Eng. 115-116)	4
9. Victorian Prose and Poetry (Eng. 117-118)	4
10. American Literature (Eng. 119-120)	4
11. The Novel (Eng. 121-122)	4

12. Contemporary Drama (Eng. 123) 2
13. Types of Contemporary Prose
Fiction (Eng. 124)
14. Contemporary Poetry and the
Contemporary Essay (Eng. 126)
15. Folk Literature (Eng. 201)
16. English Literary Criticism
(Eng. 202)
17. Special Problems in the Develop-
ment of Poetry, Drama, and
Prose Fiction (Eng. 203-204)
18. Advanced Literary Composition
(Eng. 105-106)

DRAMATICS AND PUBLIC SPEAKING MAJOR

LOWER DIVISION PREREQUISITES (8 or 6 credits)

For Public Speaking

1. Fundamentals of Speech
(Eng. 31-32)
 2. Reading and Interpretation
(Eng. 33-34)
- or
- Speaking and Parliamentary
Law (Eng. 35-36)

For Dramatics

3. Fundamentals of Play Production
(Eng. 41-42)

UPPER DIVISION MAJOR (Choice of 16-20 credits)

1. Development of Public Speaking
(Eng. 161-162)
2. Advanced Speaking
(Eng. 163-164)
3. Argumentation and Debate
(Eng. 165-166)
4. Advanced Interpretation
(Eng. 167-168)
5. Advanced Play Production
(Eng. 143-144)
6. Dramatic Composition
(Eng. 106)
7. Teaching of Dramatics
(Eng. 109-110)
8. Contemporary Drama
(Eng. 123)
9. Shakespeare and his Predecessors
(Eng. 141-142)

JOURNALISM MAJOR

LOWER DIVISION PREREQUISITES (10 credits)

1. News Writing (Eng. 51-52)
2. Reporting (Eng. 55-56)

UPPER DIVISION MAJOR (16 credits)

1. Editorial Writing (Eng. 101)
2. News Editing (Eng. 102)
3. History of Journalism
(Eng. 151)
4. Special Feature Articles
(Eng. 152)
5. Ethics of Journalism (Eng. 153)
6. Law of the Press (Eng. 154)

French

PREREQUISITES

1. Elementary French (Fr. 1-2)
2. Composition and Conversation (Fr.
11-12)

3. Intermediate French (Fr. 13-14) or
Supplementary French (Fr. 9-10)

MAJOR

- | | Credits |
|---|---------|
| 1. One of the following: | |
| a. The Eighteenth Century
(Fr. 143-144) | 6 |
| b. The Nineteenth Century
(Fr. 135-136) | 6 |
| 2. The Seventeenth Century Drama
(Fr. 141-142) | 6 |
| 3. Eight credits of the following: | |
| a. Either Fr. 143-144, or 135-136,
depending upon which was used
in "1" | 6 |
| b. A Survey of French Literature
(Fr. 121-122) | 6 |
| c. Contemporary Literature
(145-146) | 6 |
| d. Teachers' Course in French
(Fr. 192) | 2 |
| e. Advanced Composition and
Conversation (Fr. 111-112) | 4 |

Geology**PREREQUISITE**

- | | Credits |
|------------------------------------|---------|
| General Geology (Geol. 1) | 4 |
| Historical Geology (Geol. 2) | 4 |

MAJOR

- | | |
|--|-----|
| Mineralogy (Geol. 103-104) | 6 |
| Economic Geology (Geol. 109-110) | 6 |
| Elective | 6-8 |
- (The electives must have the approval
of the head of the Department of
Geology)

German**PREREQUISITES**

- Elementary German (Ger. 1-2, or the
equivalent)
- Composition and Conversation (Ger.
11-12)
- Intermediate German (Ger. 13-14)

MAJOR

- | | Credits |
|--|---------|
| 1. One of the following: | |
| a. The Modern Novel
(Ger. 131-132) | 4 |
| b. The Modern Drama
(Ger. 133-134) | 4 |
| 2. Schiller (Ger. 141-142) | 6 |
| 3. One of the following: | |
| a. Survey of German Literature
(Ger. 121-122) | 6 |
| b. Goethe (Ger. 143-144) | 6 |
| c. Middle High German
(Ger. 201-202) | 6 |
| 4. Faust (Ger. 146) | 3 |

Greek**PREREQUISITES**

Courses 1, 2, 3, 4, or two years of
elementary Greek.

MAJOR

- Plato (Gr. 101)
- Greek Tragedy (Gr. 102)
- Ten credits in translation courses in
the Greek historians, philosophers, or
lyric and dramatic poets, chosen with
the approval of the head of the de-
partment.

History**PREREQUISITES**

Hist. 1-2 (or 13-14) and 9-10. (Upper-
classmen may use in substitution for
part, or all, of these twelve hours, Hist.
3-4, 7-8, and 11-12).

EUROPEAN HISTORY MAJOR

(16 to 20 credits)

- | | Credits |
|---|---------|
| (a) Six to ten credits from the fol-
lowing: | |
| 1. Renaissance & Reformation
(Hist. 103-104) | 6 |
| 2. Recent Times (Hist. 105) | 4 |
| (b) Six credits from the following: | |
| 1. English History (Hist. 107-108) | 6 |
| 2. Recent American History
(Hist. 121-122) | 6 |
| (c) Historical Method | 4 |

AMERICAN HISTORY MAJOR

(16 to 20 credits)

- | | |
|--|---|
| Recent American History
(Hist. 121-122) | 6 |
| English History (Hist. 107-108) | 6 |
| Pacific Northwest (Hist. 123) | 2 |
| Idaho & the Inland Empire (Hist. 124) | 2 |

The following is also recommended.

- | | |
|--------------------------------|---|
| Recent Times (Hist. 105) | 4 |
|--------------------------------|---|

Journalism

See under **ENGLISH**

Latin**PREREQUISITES**

- Two years of high-school Latin.
- Cicero and Vergil (Lat. 5-6) or the
third year of high-school Latin.

MAJOR

- | | Credits |
|--|---------|
| 1. Any four of Courses 101, 102,
105, 106, 121, 122 | 12 |
| 2. Prose Composition (Lat. 103-104) | 4 |
| 3. History of Latin Literature
(Lat. 123) | 2 |
| 4. Teachers' Course (Lat. 124) | 2 |

Law**MAJOR**

- | | Credits |
|--|---------|
| 1. Contracts I (Law 101) | 3 |
| 2. Contracts II (Law 102) | 3 |
| 3. Agency (Law 104) | 4 |
| 4. Property I (Law 111) | 2 |
| 5. Property II (Law 112) | 3 |
| 6. Mining Law (Law 216) | 3 |
| 7. Irrigation (Law 228) | 2 |
| 8. Public Utilities (Law 217) | 3 |
| 9. Private Corporations (Law
235-236) | 4 |
| 10. Municipal Corporations
(Law 214) | 2 |
| 11. Constitutional Law (Law
219-220) | 4 |

NOTE.—For the LL.B. curriculum, see
under *College of Law*.

Mathematics**PREREQUISITE**

1. Freshman Mathematics (Math. 1-2, or 11-12)

MAJOR

(20 credits)

Credits

1. Calculus (Math. 21-22) 8
- Twelve credits from the following:
2. Engineering Mathematics (Math. 101) 3
3. Higher Algebra (Math. 111) 3
4. Higher Geometry (Math. 112) 3
5. Advanced Calculus (Math. 121-122) 6
6. Theory of Functions (Math. 221) 3
7. Differential Equations (Math. 222) 3

Music (Applied)**PREREQUISITE**

1. Sight Singing and Ear Training (Mus. 1-2) or Sight Singing and Ear Training (Mus. 11-12)
2. Harmony (Mus. 3-4)
3. Harmony (Mus. 5-6)
4. Proficiency test for admission to junior courses in piano, voice, or violin.

MAJOR

(20 credits)

Credits

1. History of Music (Mus. 101-102), or Music Literature (Mus. 115-116) 4
2. Form and Analysis (Mus. 103-104) 4
3. Piano, Voice or Violin 12

Philosophy**PREREQUISITE**

- History of Ancient and Modern Philosophy (Phil. 1-2)

MAJOR

Credits

- Sixteen credits from the following:
1. Ethics (Phil. 101-102) 6
 2. Logic (Phil. 103) 3
 3. Contemporary Philosophy (Phil. 104) 3
 4. The State and the Individual (Phil. 106) 3
 5. Philosophy of Religion (Phil. 105) 3
 6. Philosophy in Literature (Phil. 107) 3
 7. Plato (Phil. 108) 3
 8. Advanced Philosophy (Phil. 201-202)
 9. Seminar in Philosophy (Phil. 203-204)
 10. Research (Phil. 205-206)

Physics**PREREQUISITE**

1. General Physics (Phys. 1-2, or 11-12)

MAJOR

Credits

- Sixteen credits from the following:
1. Modern Physics (Phys. 101-102) 8
 2. Analytic Mechanics (Phys. 121-122) 6

3. Electricity and Magnetism (Phys. 131-132) 4
4. Electrical Measurements (Phys. 133-134) 4
5. Advanced Heat (Phys. 142) 4
6. Advanced Light (Phys. 151) 4

Political ScienceSee under **ECONOMICS****Psychology****PREREQUISITE**

Credits

- General Psychology (Psych. 1) 4
- Applied Psychology (Psych. 4) 4

MAJOR

Sixteen to twenty credits of advanced work, including Psych. 117 and 121-122.

Public SpeakingSee under **ENGLISH****Spanish****PREREQUISITE**

1. Elementary Spanish (Span. 1-2)
2. Composition and Conversation (Span. 11-12)
3. Intermediate Spanish (Span. 13-14) or Supplementary Spanish (Span. 9-10)

MAJOR

Credits

1. History of Spanish Literature (Span. 121-122) 6
2. One of the following courses:
 - a. The Nineteenth Century Drama (Span. 131-132) 6
 - b. The Nineteenth Century Novel (Span. 133-134) 6
3. Two of the following:
 - a. The Golden Age (Span. 141-142) 4
 - b. 18th Century Literature (Span. 143-144) 4
 - c. Spanish Lyrics (Span. 145-146) 4
 - d. Contemporary Literature (Span. 147-148) 6
 - e. (1) Teachers' Course in Spanish (Span. 192) 2 cr.
(2) Advanced Composition and Conversation (Span. 111-112) 2-4 cr. 4-6

Zoology**PREREQUISITES**

Credits

1. General Zoology (Zool. 1-2) 8
2. Heredity & Eugenics (Zool. 8) 2
3. Comparative Anatomy of Vertebrates (Zool. 4) 4

MAJOR

(20 credits)

1. Embryology (Zool. 113) 4
2. Histology and Organology (Zool. 117) 4
3. Cytology (Zool. 115-116) 8
4. Organic Evolution (Zool. 107) 3
5. General Neurology (Zool. 111) 4
6. Parasitology (Zool. 110) 3
7. The Teaching of Zoology (Zool. 101) 2
8. Thesis (Zool. 119-120) 2-6

HOME ECONOMICS CURRICULUM

This curriculum conforms to the requirements of the Vocational Educational Act passed by Congress in 1917, relative to a training course for teachers of home economics.

Students who complete fifteen credits in Education in the Home Economics Course and who pass examinations in Idaho Manual and School Law and Idaho Civil Government will receive a state five-year high-school certificate.

The student may major either in General Home Economics or in Food and Nutrition.

General Home Economics

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
*French, German or Elective	3-4	*French, German, or Elective	3-4
H.Ec. 23. Elementary Clothing	2	H. Ec. 24. Elementary Clothing	2
H.Ec. 61. Art Structure	2	H.Ec. 62. Art Structure	2
P.E. 1a. Physical Training	1	P.E. 2a. Physical Training	1
Zool. 7. General Zoology	3	Zool. 6. Physiology	3
		H.Ec. 26. Textiles	2
Total	14-15	Total	16-17

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. Elective in Literature	2	Eng. Elective in Literature	2
*French, German, or Elective	3	*French, German, or Elective	3
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
Ed. 7. Principles of Teaching	3	H.Ec. 4. Food Preparation	3
H. Ec. 63. Freehand Sketching	2	P.E. 4. Physical Training	1
P.E. 3. Physical Training	1	H.Ec. 40. House Construction	2
Elective	2	Elective	2
Total	17	Total	17

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
H.Ec. 5. Food Preparation	3	Chem. 14. Carbon Compounds	3
Bact. 101. General Bacteriology	4	H.Ec. 102. Marketing and Serving	3
H.Ec. 131. Home Management	3	H.Ec. 152. Special Methods	3
Econ. 141. Sociology	3	†Elective	7
Elective	2	H.Ec. 66. Costume Design	2
H.Ec. 141. Interior Decoration	2		
Total	17	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
H.Ec. 103. Dietetics	3	H.Ec. 104. Dietetics	3
H.Ec. 105. Advanced Clothing	2	H.Ec. 106. Dressmaking and	
H.Ec. 133. Practice Cottage	2	Millinery	2
H.Ec. 157. Observation Teaching		H.Ec. 134. Home Nursing	2
Home Economics	5	Elective	9
H.Ec. 153. Methods	2		
Total	14	Total	16

Total credits required, 128

*To be determined in consultation with the head of the Department.

†Econ. 142, Sociology, is suggested as an elective.

Food and Nutrition FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
*French, German, or Elective	3-4	*French, German, or Elective	3-4
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
H.Ec. 23. Elementary Clothing	2	H.Ec. 24. Elementary Clothing	2
H.Ec. 61. Art Structure	2	H.Ec. 62. Art Structure	2
P.E. 1a. Physical Training	1	P.E. 2a. Physical Training	1
Total	15-16	Total	16-17

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Ed. 7. Principles of Teaching	2	H.Ec. 26. Textiles	2
Eng. Elective in Literature	2	Eng. Elective in Literature	2
*French, German, or Elective	3	*French, German, or Elective	3
Chem. 11. Elements of Analysis	2	Chem. 12. Elements of Analysis	2
Zool. 1. General Zoology	3	Zool. 6. Physiology	3
H.Ec. 63. Freehand Sketching	2	H.Ec. 4. Food Preparation	3
P.E. 3. Physical Training	1	P.E. 4. Physical Training	1
Total	15	Total	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 101. Organic Chemistry	5	Chem. 102. Organic Chemistry	3
H.Ec. 5. Food Preparation	3	H.Ec. 102. Marketing and Serving	3
Econ. 141. Prin. of Sociology	3	H.Ec. 66. Costume Design	2
Bact. 101. General Bacteriology	4	Chem. 112. Biochemistry	4
H.Ec. 131. Home Management	2	H.Ec. 40. House Construction	3
Total	17	Total	15

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
H.Ec. 103. Dietetics	3	H.Ec. 104. Dietetics	3
H.Ec. 105. Advanced Clothing	2	H.Ec. 106. Dressmaking and Millinery	2
H.Ec. 133. Practice Cottage	2	H.Ec. 134. Home Nursing	2
H.Ec. 157. Observation and Teaching in Home Economics	5	Elective	7
Elective	3	H.Ec. 152. Special Methods	3
H.Ec. 141. Interior Decoration	2		
Total	17	Total	17

Total credits required, 128

THE PRE-MEDICAL CURRICULUM

The Pre-Medical Curriculum is intended primarily for students who wish to prepare themselves for the study of medicine and allied professions. The course is so outlined that the student can arrange to take four, three, or two years of work, according to the nature of the entrance requirements of the medical school which he contemplates entering.

The fourth year is elective, its completion leading to the B.S. Pre-Medical degree. To students who desire to enter a medical school after finishing the first three years of this curriculum the B.S. degree will be granted by the University of Idaho on completion of the first year of medical study at an approved college of medicine, in lieu of the fourth year at Idaho.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
German or French.....	3- 4	German or French.....	3- 4
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
Zool. 1. General Zoology.....	4	Zool. 2. General Zoology.....	4
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course.....	2	P.E. 2a-2b. Freshman Course.....	2
Total.....	16-17	Total.....	16-17

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Scient. German or Scient. French	3	Scient. German or Scient. French	3
§Chem. 3. Qualitative Analysis.....	4	§Chem. 4. Quantitative Analysis.....	4
or		or	
Chem. 11. Elements of Analysis.....	2	Chem. 12. Elements of Analysis	2
Math. 1. Freshman Mathematics	4	Zool. 4. Anatomy of Vertebrates	4
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
or		or	
P.E. 3. Advanced Gymnastics.....	1	P. E. 4. Advanced Gymnastics.....	1
*Elective.....	2- 5	*Elective.....	2- 5
Total.....	17-18	Total.....	17-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 1. General Physics.....	4	Eng. 5. Advanced Composition.....	3
Chem. 101. Organic Chemistry.....	5	Phys. 2. General Physics.....	4
Zool. 113. Embryology.....	4	Chem. 102. Organic Chemistry.....	3
**Elective.....	3-5	Bact. 101. General Bacteriology.....	4
Total.....	16-18	**Elective.....	2-4
		Total.....	16-18

Those who desire to stay at the University for the fourth year are advised to take the following suggested electives. This will complete the requirements for the B.S. Pre-Medical degree.

†SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Suggested Electives		Suggested Electives	
Course	Credits	Course	Credits
Zool. 115. Cytology.....	4	Zool. 116. Cytology.....	4
Chem. 111. Biochemistry.....	4	Chem. 112. Biochemistry.....	4
Social Science.....	3	Social Science.....	3
‡Other Electives.....	6	‡Other Electives.....	6
Total.....	17	Total.....	17

(Other suggested electives: Heredity and Eugenics, Histology, Psychology, Social Science, Scientific Terminology, Pathogenic Bacteria.)

THE PRE-NURSING CURRICULUM

The Pre-Nursing Curriculum is designed primarily for those who wish to prepare themselves for administrative, teaching, social service, or public health work. The curriculum consists of three years' work at the University of Idaho and two years at some approved school of

*Elementary Physics must be taken here unless one unit of Physics is presented for admission.

§From the standpoint of adequate preparation for Biochemistry or Physiological Chemistry (required in medical schools) Chem. 3 and 4 are preferable to Chem. 11 and 12.

**Latin 1 and 2 must be taken here unless one unit of Latin is presented for admission.

†The B.S. degree will be granted by the University of Idaho on completion of the first year of medical study at an approved college of medicine in lieu of the senior year.

‡Students who desire to teach in Idaho high schools after graduation must have fifteen credits in Education in order to secure a state certificate.

nursing or hospital. At present the University of Idaho is affiliated with the Stanford School of Nursing, Stanford Hospitals, San Francisco, which institution will grant the degree of Graduate Nurse at the end of the five years. Similar affiliations have been completed with the Deaconess, Sacred Heart, and St. Luke's School of Nursing at Spokane, Washington.

The B.S. degree will be granted by the University of Idaho on completion of the requirements for the degree of Graduate Nurse at an approved school of nursing or hospital in lieu of the senior year.

Students who desire to stay at the University of Idaho for the fourth year are advised to take the suggested electives of the senior year. The completion of this four-year curriculum will lead to the degree of Bachelor of Science in Pre-Nursing Studies, B.S. (Pre-Nurs.)

FRESHMAN YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Eng. 1. English Composition		3	Eng. 2. English Composition		3
Foreign Language		3-4	Foreign Language		3-4
Zool. 1. General Zoology		4	Zool. 2. General Zoology		4
P.E. 1. Freshman Course		2	P.E. 2. Freshman Course		2
Elective		3-4	Elective		3-4
Total		16	Total		16

SOPHOMORE YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Foreign Language		3	Foreign Language		3
Chem. 1. General Chemistry		4	Chem. 2. General Chemistry		4
Zool. 113. Embryology		4	Psych. 1. General Psychology		4
Social Science		3	Social Science		3
P.E. 3. Advanced Gymnastics		1	P.E. 4. Advanced Gymnastics		1
Elective		1	Elective		1
Total		16	Total		16

JUNIOR YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Zool. 105. Human Physiology		3	Zool. 106. Human Physiology		4
Zool. 103. Human Anatomy		2	Zool. 104. Human Anatomy		2
Bact. 101. General Bacteriology		4	Chem. 14. Carbon Compounds		3
Eng. 5. Advanced Composition		3	H. Ec. 134. Home Nursing		2
Elective		4	Elective		5
Total		16	Total		17

Those who desire to stay at the University for the fourth year are advised to take the following suggested electives. This will complete the requirements for a bachelor's degree (B.S. Pre-Nursing.)

*SENIOR YEAR

FIRST SEMESTER			SECOND SEMESTER		
Suggested Electives			Suggested Electives		
Course		Credits	Course		Credits
Zool. 115. Cytology		4	Zool. 116. Cytology		4
Social Science		3	Social Science		3
†Other Electives		9	Bact. 104. Pathogenic Bacteria		3
			†Other Electives		6
Total		16	Total		16

(Other suggested electives: Selection and Preparation of Foods, Heredity and Eugenics, Histology, Sociology, Public Speaking, Physics, Additional Chemistry.)

*Elementary Physics must be taken here unless one unit of Physics is presented for admission.

†The B. S. degree will be granted by the University of Idaho on completion of the first year of medical study at an approved college of medicine in lieu of the senior year.

CURRICULUM IN APPLIED MUSIC

Voice, Piano, or Violin

Leading to the Degree, Bachelor of Music

The requirements for the freshman and sophomore years are common to those majoring in Piano, Voice, and Violin.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course.....	2	P.E. 2a-2b. Freshman Course.....	2
French or German.....	4	French or German.....	4
Mus. 1. Sight Singing and		Mus. 2. Sight Singing and	
Ear Training.....	1	Ear Training.....	1
Mus. 3. Harmony.....	2	Mus. 4. Harmony.....	2
Mus. 21. Piano; Mus. 31. Voice;		Mus. 22. Piano; Mus. 32. Voice;	
or Mus. 41. Violin.....	4	or Mus. 42. Violin.....	4
Total.....	16	Total.....	16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.....	3	Eng. 12. Dev. of Eng. Lit.....	3
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
or		or	
P.E. 3. Sophomore Course.....	1	P.E. 4. Sophomore Course.....	1
French or German.....	2-4	French or German.....	2-4
Mus. 5. Harmony.....	2	Mus. 6. Harmony.....	2
Mus. 13. Keyboard Harmony.....	1	Mus. 14. Keyboard Harmony.....	1
Mus. 11. Sight Singing and		Mus. 12. Sight Singing and	
Ear Training.....	2	Ear Training.....	2
Mus. 23. Piano; Mus. 33. Voice, or		Mus. 24. Piano; Mus. 34. Voice;	
Mus. 43. Violin.....	4	or Mus. 44. Violin.....	4
Elective (for P.E. 3 students).....	1	Elective (for P.E. 4 students).....	1
Total.....	16-18	Total.....	16-18

Piano

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 101. History of Music.....	2	Mus. 102. History of Music.....	2
Mus. 105. Counterpoint.....	2	Mus. 106. Counterpoint.....	2
Mus. 125. Piano.....	4	Mus. 126. Piano.....	4
Mus. 17. Piano Ensemble.....	1	Mus. 18. Piano Ensemble.....	1
Phys. 55. Music and Sound.....	4	Phys. 56. Music and Sound.....	4
Elective.....	3	Elective.....	3
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 127. Piano.....	4	Mus. 128. Piano.....	4
Mus. 103. Form and Analysis.....	2	Mus. 104. Form and Analysis.....	2
Mus. 109. Instrumental and		Mus. 110. Instrumental and	
Vocal Composition.....	3	Vocal Composition.....	3
Mus. 115. Music Literature.....	2	Mus. 116. Music Literature.....	2
Mus. 19. Accompanying.....	1	Mus. 20. Accompanying.....	1
Elective.....	4	Elective.....	4
Total.....	16	Total.....	16

Voice

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 101. History of Music	2	Mus. 102. History of Music	2
Mus. 105. Counterpoint	2	Mus. 106. Counterpoint	2
Mus. 135. Voice	4	Mus. 136. Voice	4
Mus. 61. Vocal Ensemble	1	Mus. 62. Vocal Ensemble	1
Italian	3	Italian	3
Mus. 117. Musical Drama	1	Mus. 118. Musical Drama	1
Elective	3	Elective	3
Total	16	Total	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 137. Voice	4	Mus. 138. Voice	4
Mus. 103. Form and Analysis	2	Mus. 104. Form and Analysis	2
Mus. 109. Instrumental and Vocal Composition	3	Mus. 110. Instrumental and Vocal Composition	3
Mus. 115. Music Literature	2	Mus. 116. Music Literature	2
Mus. 63. Vocal Ensemble	1	Mus. 64. Vocal Ensemble	1
Elective	4	Elective	4
Total	16	Total	16

Violin

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 101. History of Music	2	Mus. 102. History of Music	2
Mus. 105. Counterpoint	2	Mus. 106. Counterpoint	2
Mus. 145. Violin	4	Mus. 146. Violin	4
Mus. 65. Instrumental Ensemble	1	Mus. 66. Instrumental Ensemble	1
Phys. 55. Music and Sound	4	Phys. 56. Music and Sound	4
Elective	3	Elective	3
Total	16	Total	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 147. Violin	4	Mus. 148. Violin	4
Mus. 103. Form and Analysis	2	Mus. 104. Form and Analysis	2
Mus. 109. Instrumental and Vocal Composition	3	Mus. 110. Instrumental and Vocal Composition	3
Mus. 115. Music Literature	2	Mus. 116. Music Literature	2
Mus. 67. Instrumental Ensemble	1	Mus. 68. Instrumental Ensemble	1
Elective	4	Elective	4
Total	16	Total	16

CURRICULUM IN PUBLIC SCHOOL MUSIC

Leading to the Degree, Bachelor of School Music

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Mil. 1. Freshman Military or P.E. 1a-1b. Freshman Course	2	Mil. 2. Freshman Military or P.E. 2a-2b. Freshman Course	2
Mus. 1. Sight Singing and Ear Training	1	Mus. 2. Sight Singing and Ear Training	1
Mus. 3. Harmony	2	Mus. 4. Harmony	2
Mus. 21. Piano	2	Mus. 22. Piano	2
Mus. 31. Voice	2	Mus. 32. Voice	2
French or German	4	French or German	4
Mus. 61. Vocal Ensemble	1	Mus. 62. Vocal Ensemble	1
Total	17	Total	17

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.	3	Eng. 12. Dev. of Eng. Lit.	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Mus. 5. Harmony	2	Mus. 6. Harmony	2
Mus. 11. Sight Singing and		Mus. 12. Sight Singing and	
Ear Training	2	Ear Training	2
Mus. 21. Piano	2	Mus. 22. Piano	2
Mus. 31. Voice	2	Mus. 32. Voice	2
Mus. 63. Vocal Ensemble	1	Mus. 64. Vocal Ensemble	1
French or German	2-4	French or German	2-4
Elective (for P.E. 3 students)	3	Elective (for P.E. 4 students)	1
Total	16-18	Total	16-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 101. History of Music	2	Mus. 102. History of Music	2
Mus. 171. School Music	2	Mus. 172. School Music	2
Mus. 13. Keyboard Harmony	1	Mus. 14. Keyboard Harmony	1
Mus. 23. Piano, or		Mus. 24. Piano or	
Mus. 33. Voice	2	Mus. 34. Voice	2
Phys. 55. Music and Sound	4	Phys. 56. Music and Sound	4
Ed. 7. Principles of Teaching	3	Ed. 5. Idaho Law and Manual	3
Mus. 65. Instrumental Ensemble	1	Mus. 66. Instrumental Ensemble	1
Elective	1	Elective	1
Total	16	Total	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 111. Conducting	2	Mus. 112. Conducting	2
Mus. 177. High School Music	2	Mus. 178. High School Music	2
Mus. 23. Piano or		Mus. 24. Piano or	
Mus. 33. Voice	2	Mus. 34. Voice	2
Mus. 103. Form and Analysis	2	Mus. 104. Form and Analysis	2
Mus. 115. Music Literature	2	Mus. 116. Music Literature	2
Mus. 173. Practice Teaching	2	Mus. 174. Practice Teaching	2
Mus. 175. Supervision	1	Mus. 176. Supervision	1
Mus. 67. Instrumental Ensemble	1	Mus. 68. Instrumental Ensemble	1
Elective	2	Elective	2
Total	16	Total	16

CURRICULUM IN ARCHITECTURE

This curriculum leads to a degree of Bachelor of Science in Architecture.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 1. Elementary Design	2	Arch. 2. Elementary Design	2
Arch. 35. Shades and Shadows	1	Arch. 36. Perspective	1
Art 1. Freehand Drawing	2	Art 2. Freehand Drawing	2
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Math. 1. Freshman Mathematics	4	Math. 2. Freshman Mathematics	4
Modern Language	4	Modern Language	4
Mil. 1. Freshman Military, or		Mil. 2. Freshman Military, or	
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course	2
Total	18	Total	18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 3. Architectural Design	3	Arch. 4. Architectural Design	3
Art 13. Freehand Drawing	2	Art 14. Freehand Drawing	2
Arch. 41. Arch. History	2	Arch. 42. Arch. History	2
Phys. 1. General Physics	4	Phys. 2. General Physics	4
Math. 21. Calculus	4	Math. 22. Calculus	4
Modern Language	3	Modern Language	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Total	19-20	Total	19-20

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 105. Architectural Design	4	Arch. 106. Architectural Design	4
Arch. 43. Architectural History	2	Arch. 44. Architectural History	2
Art 105. Freehand Drawing	2	Art 106. Freehand Drawing	2
Arch. 61. Building Construction	3	Arch. 62. Building Construction	3
Econ. 11. Principles of Economics	4	Econ. 12. Principles of Economics	4
Eng. 5. Advanced Composition	3	C.E. 6. Mechanics	3
Total	18	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 107. Architectural Design	5	Arch. 108. Architectural Design	5
C.E. 103. Mechanics of Materials	3	C.E. 102. Framed Structures	3
Art 109. Allied Arts	2	Art 110. History of Painting	2
E. E. 151. Illumination	2	and Sculpture	2
C.E. 125. Sewers and Sewerage	2	M.E. 144. Heating and Ventilation	2
C.E. 124. Contracts & Specifications	2	C.E. 106. Reinforced Concrete	2
Elective	2	Arch. 162. Landscape Design	2
Total	18	C.E. 136. Estimates and Costs	2
		Total	18

Total credits required, 146-148.

THE COLLEGE OF AGRICULTURE

EDWARD JOHN IDDINGS, M.S.	Dean of the College
CHARLES W. HUNGERFORD, PH.D.	Assistant Dean
GRACE B. RAEDER	Secretary of the College Faculty
CLARENCE CORNELIUS VINCENT, M.S. (AGR.)	Chairman of the Scholarship Committee
M. R. LEWIS, C.E.	Chairman of the Curriculum Committee
HAROLD WATKINS HULBERT, M.S. (AGR.)	Chairman of the Publications Committee

FARMS, BUILDINGS, AND LIVESTOCK

The equipment of the College of Agriculture and Agricultural Experiment Station at Moscow consists of 612 acres of deeded and leased land and eleven permanent buildings. In addition the University owns or leases for purposes of agricultural experiments 750 acres located at five other points in the state.

The equipment for agricultural instruction consists of Morrill Hall, used as a central office, class-room, and laboratory building; dairy building; judging pavilion; horticultural by-products building; dairy-cattle, horse, sheep, and beef-cattle barns; poultry house, and poultry-service building; 350 head of carefully selected purebred livestock; 75 acres devoted to experimental work in plant breeding, variety tests, and crop rotation; 55 acres of orchard and garden; 232 acres of pasture and green forage for horses, beef cattle, dairy cattle, sheep and swine; 100 acres of corn, peas, and oats, and other silage crops; and 150 acres of meadow.

LABORATORIES

AGRICULTURAL CHEMISTRY.—This laboratory is fully equipped with all the necessary apparatus for a complete course in all the branches of agricultural and soil chemistry. Reference books, technical bulletins, and journals are on file in the department library.

AGRICULTURAL ENGINEERING.—The laboratories contain levels, transits, and other equipment for surveying; a large number of gasoline engines, automobiles, and tractors; an acetylene welding outfit and a fully equipped shop and tool room; up-to-date farm machines commonly found on the average farm in Idaho; a test brake for determining the belt horse-power and a tractor dynamometer for determining the draw-bar horse-power of tractors. Pumps, tanks, weirs, and current meters are available for practice in irrigation measurements.

AGRONOMY.—A large, well equipped laboratory is used for instructional work in grain and forage-crop identification, market grad-

ing, and judging. Samples of grain and forage varieties are used for laboratory study in identification and judging. A special laboratory is provided for seed testing and advanced research in crops, and a branch of the state seed laboratory is maintained for service to seedsmen and farmers, which permits special instruction in seed analysis and identification. The department operates a 45-acre tract of land for experimental and demonstration work, which is used to supplement the laboratory courses. A part of one of the greenhouses is devoted to raising specimens of forage crops for study during the winter months. Material is also grown for plant-breeding studies. The soil laboratories are well equipped with modern apparatus for soil physics. In addition, sixty-four one-tenth-acre field plots are set aside for field work in soils.

ANIMAL HUSBANDRY.—The University owns and maintains a livestock herd consisting of 15 purebred draft horses, representing three breeds, and 10 grade draft horses; 65 head of beef-cattle representing three breeds; 150 head of pure-bred sheep representing seven breeds; and 50 head of purebred hogs representing three breeds. These animals are used in the scoring and comparative judging of market and breed types. In the barns, work is given in the judging, care, handling, and management of livestock.

BACTERIOLOGY.—The bacteriological laboratory occupies five large rooms on the first floor of Science Hall. Here is found all the modern equipment necessary for teaching and research work in the various phases of the subject, including electric sterilizing ovens, incubators, autoclaves, electrically controlled constant-temperature room, chemical apparatus used in the determination of the physiology of bacteria, and special equipment for laboratory diagnosis of disease. The student laboratory is adjacent to the research laboratory, thus offering the student an excellent opportunity for observation in research methods. Leading national and foreign publications in bacteriology are on file in the department.

BOTANY.—See College of Letters and Science.

DAIRY HUSBANDRY.—Facilities for instruction in dairying include the creamery laboratory, provided with the usual equipment found in commercial creameries and milk plants, such as power separators, churns, pasteurizers, and apparatus for the manufacture of cheese and ice cream, several makes of cream separators, milk-testing apparatus, a mechanical refrigeration plant, and cold-storage rooms. In addition, there is a well equipped laboratory for research work. For practice in judging and for other laboratory work the University maintains a herd of seventy head of dairy cattle, representing the Jersey and Holstein breeds. Of these complete milk and butterfat records are kept.

HORTICULTURE.—Courses in Horticulture include instruction in four divisions, i. e. pomology, olericulture, floriculture, and landscape

gardening. For laboratory instruction in pomology use is made of the fruit plantations maintained by the department. A well equipped building is used for grading and packing of fruits and storage. Much of the gardening work is carried on in the field where ample land is available. Equipment includes greenhouse facilities, hot beds, garden tools, and tractor. Two greenhouses containing a miscellaneous collection of plants furnish material for courses in floriculture. Drafting rooms for landscape gardening students are on the second floor of Morrill Hall. The collection of trees and shrubs growing on the campus furnishes material for study.

PLANT PATHOLOGY.—Facilities for instruction in plant pathology include suitable laboratory and greenhouse space fully equipped for both elementary and advanced work. There are two large laboratories equipped with autoclaves, electric incubators, binoculars, microscopes, transfer chamber, plant disease specimens, a small reading room containing several thousand bulletins and other publications for reference purposes, and minor equipment for instructional and individual research work. The greenhouse is equipped with five temperature control chambers, soil thermographs, etc., used primarily in individual research.

POULTRY.—The poultry plant has facilities for the training of students in practical poultry work. A flock of about six hundred birds is maintained. The service building contains a judging laboratory, a work shop, a feed room, an egg room, and two incubator rooms—one for a mammoth incubator, the other for student practice with small-type machines. A laboratory room is also equipped for fattening, killing, and marketing work. Eight different breeds are available for judging practice. Fourteen pens are equipped for student practice in pen management and for the brooding and rearing of chicks. A library, maintained in the office in Morrill Hall, is provided with all the latest poultry books, magazines, and bulletins.

ZOOLOGY.—See College of Letters and Science.

ADMISSION

Admission requirements* are presented on page 19 and following.

DEGREES

Curricula of study are offered toward the degrees of Bachelor of Science in Agriculture and Master of Science in Agriculture.

Instruction is given in agricultural chemistry, agricultural economics, agricultural education, agricultural engineering, agronomy, animal husbandry, bacteriology, dairy husbandry, entomology, horticulture, plant pathology, poultry husbandry, soils, and veterinary science.

*Admission to short course in agriculture and dairying is secured from the eighth grade. A special description of the short courses may be had upon application.

All students pursue the same curriculum thru the freshman and the sophomore years. At the beginning of the junior year a major agricultural subject is chosen. Majors may be chosen in agronomy, animal husbandry, dairy husbandry, horticulture, agricultural education, agricultural engineering, or general agriculture.

The teacher-training curriculum in vocational agriculture is the course approved by the State Board of Vocational Education for the preparation of Smith-Hughes high-school agriculture teachers. Graduates from this course are eligible for a state high-school certificate valid for five years.†

Those who desire a more general course in agriculture, such as will especially fit for county-agent and other extension work, should major in general agriculture, or will find it possible so to choose electives in one of the six other major curricula as to prepare for work in these fields.

CURRICULUM

FRESHMAN AND SOPHOMORE YEARS

Students in all four-year curricula in the College of Agriculture take the same work in the freshman and sophomore years and certain specified requirements in the junior year, except those majoring in agricultural engineering.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
Math. 3. Mathematics.....	3	Bot. 12. Gen. Ag. Botany.....	5
A. H. 1. Market Types of Livestock.....	3	D.H. 2. Elements of Dairying.....	4
A.E. 3. Farm Shop.....	1	Mil. 2. Freshman Military.....	2
P.H. 1. Poultry Production.....	2		
Mil. 1. Freshman Military.....	2		
Total.....	18	Total.....	18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
*Chem. 13. Organic Chemistry.....	4	*Ag. Chem. 2-2a. Ag. Chem.....	4
Zool. 1. General Zoology.....	3	Bact. 101. Gen. Bacteriology.....	4
Agron. 1. Gen. Crop Production.....	4	Hort. 2. Introduction to Hort.....	4
Ent. 1. General Entomology.....	3	A.H. 2. Livestock Feeding and Management.....	2
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
Elective.....	2	Elective.....	2
Total.....	18	Total.....	18

*Those students preparing for professional work in agriculture are urged to take Chem. 3, 4, 101, 102, prior to Agricultural Chemistry. Students expecting to major in Agricultural Engineering will substitute Math. 11-12 for Chem. 13 and Ag. Chem. 2 and 2a.

†Any graduate of the college, or undergraduate who has completed the sophomore work, provided he has included in such work at least ten credits in Education as specified in the general catalog, and provided his average grade does not fall below 4.000, is eligible for an elementary certificate valid for five years.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Agron. 151. General Soils	4	Eng. 5. Advanced Composition	3
P.P. 101. General Plant Pathology	3	Elective	15
A. E. 161. Irrigation Practice	3		
Econ. 13. Agricultural Economics	3		
Elective	5		
Total	18	Total	18

To obtain the recommendation of the Faculty for the degree of Bachelor of Science in Agriculture, B.S.(Agr.), the student must, in addition to completing the regular courses of study prescribed by the department in which his major lies, present evidence of having spent at least one summer after his first year in residence at the University in practical farm work on an approved farm; those enrolled in the teacher-training course in agricultural education also must present evidence of having had a total of two years of practical farm experience subsequent to becoming fourteen years of age.

If a student fails to offer at least one unit of high-school physics as entrance credit he is required to take, in addition to the required courses listed above, Phys. 01, Elementary Physics, 5 credits.

Students who complete twelve credits in agricultural education and who pass an examination in Idaho Manual and School Law and Idaho civil government will receive a five-year high-school certificate.

MAJORS

The student is required to select a major prior to or at the beginning of the junior year. Majors may be chosen in agricultural education, agricultural engineering, agronomy, animal husbandry, dairy husbandry, horticulture, or general agriculture. The head of the department is the student's major professor in each case except in general agriculture. Those choosing the major in general agriculture will register with the Dean of the College.

Twenty credits are required for a major, the courses to be selected by the major department, except in agricultural engineering, where forty-eight credits are required and specified for the major. The student will take twelve credits in other departments, the courses to be selected with a definite objective and approved by the major department. Twenty-eight credits are elective, except in agricultural engineering, in which major twelve credits are elective.

Total credits required for the degree of Bachelor of Science in Agriculture are as follows:

†Required and specified in freshman, sophomore and junior years	84
*Required by major department	20
Required in other departments	12
†Elective	26
Total required for graduation	142

SPECIAL COURSES

SCHOOL OF PRACTICAL AGRICULTURE

The School of Practical Agriculture is an organization within the College of Agriculture, maintained for the purpose of providing practical agricultural training for young men who lack the necessary preparation, or the time, for the regular college courses in agriculture. The instruction within the school is made as practical as possible and deals primarily with up-to-date farm practices in the various phases of agriculture.

Graduates of the course should be qualified to become successful farmers and livestock men, or managers of livestock ranches, fruit orchards, commercial poultry establishments, or other agricultural enterprises.

ADMISSION.—Anyone who can show that he will profit by the work offered will be admitted, but those with an eighth grade education, or better, are best fitted to take advantage of the courses given. Practical farmers should not hesitate to enroll, no matter what their schooling.

EIGHT-WEEKS WINTER TERM.—Certain new studies are taken up at the opening of the second term in January, so that students who desire to do so may enter at this time and secure eight weeks of practical instruction which will be highly valuable whether followed by further study another year or not. Studies in farm crops, farm horticulture, elements of dairying, poultry raising, and the feeding and care of livestock will thus be available for the year 1928-29.

COST.—Tuition is free, but each student pays a health fee of \$2 each term, entitling him to free medical attention under certain conditions, and a Students' Association fee of \$4.25 each term, admitting him to all athletic games played on the campus, covering his subscription to the college paper, and entitling him to a few other privileges.

*In all majors except agricultural engineering where 48 credits are required and specified by the department.

†If the student fails to offer at least one unit of high school physics as entrance credit he must take Phys. 01, 5 credits, as an elective, thereby increasing his required credits to 89 and reducing his electives to 21 credits.

A deposit of \$5 is required of each student as a breakage fee. All or part of this is refunded at end of the term, depending on the amount of equipment broken. In addition, a few laboratory fees are charged, amounting to about \$5 a year. There is also an extra-curricular fee of \$2.50. The other necessary expenses will be for room and board, laundry, books, railroad fare, and incidentals. Room and board may be had at from \$6.50 to \$8 a week. Exclusive of railroad fare, expenses for the four months should not exceed \$160. There are some opportunities for a boy to earn a portion of his expenses while in school.

CERTIFICATE.—A regular certificate of the School of Practical Agriculture is awarded upon the completion of the two-year curriculum.

ADMISSION TO THE UNIVERSITY.—The school is not maintained for the purpose of preparing students for admission to college. Fair credit for all work done in the school will be allowed, however, toward meeting the regular University entrance requirements.

DATE OF OPENING.—The school will open for registration of students Monday, Oct. 29, 1928. School will close March 1, 1929.

SPECIAL CATALOG.—Those who are especially interested in this school should write to the Dean of the College of Agriculture, Moscow, Idaho, for a special catalog.

Two-Year Curriculum

FIRST YEAR

FIRST TERM			SECOND TERM		
	Hours			Hours	
	Rec.	Lab.		Rec.	Lab.
Farm Mathematics.....	3	0	Farm Horticulture.....	2	4
Market Types of Livestock.....	3	4	Grain Crops.....	2	2
Poultry Management.....	2	2	Breed Types of Livestock.....	3	4
Elements of Dairying.....	1	4	Milk Production.....	3	4
Forge.....	0	3	Plant Diseases.....	2	2
Soils.....	3	0	Farm Shop.....	0	4
Farm Motors.....	1	4	Vegetable Gardening.....	2	2

SECOND YEAR

FIRST TERM			SECOND TERM		
	Hours			Hours	
	Rec.	Lab.		Rec.	Lab.
Principles of Breeding.....	3	0	Feeds and Feeding.....	5	0
Forage Crops.....	2	2	Livestock Management.....	0	3
Farm Machinery.....	1	4	Farm Management.....	2	2
Advanced Stock Judging.....	0	4	Poultry Production.....	2	2
Animal Diseases.....	4	0	Irrigation.....	2	2
Small Fruits and Berries.....	2	2	Farm Electricity.....	2	2
Farm Buildings.....	1	4	Advanced Dairy Stock		
Insect Pests.....	3	2	Judging.....	0	4
			Farm Tractors.....	2	4
			Rural Law.....	2	0

Required for graduation.....80 credits

COMMERCIAL DAIRYING

The five-months course in commercial dairying is planned to give a practical working knowledge of modern dairy manufacturing methods. That the factory man may appreciate the producer's prob-

lems, some attention is given also to milk production and allied subjects. The primary object of the course is, however, to train men who will be able successfully to fill responsible positions in dairy manufacturing plants. Efforts are made to place worthy men in desirable positions.

A three-story brick building devoted entirely to the work in dairying provides space for class-rooms and laboratories. The equipment includes the necessary machinery for the manufacturing of butter, cheese, and ice cream, and the processing of market milk by modern commercial methods. The machinery includes hand-power separators, continuous and vat pasteurizers, combined churns and workers, cheese vats and presses, market milk equipment, brine and tub ice-cream freezers, butter cutters and a homogenizer. Refrigeration for cold rooms and other purposes is furnished by a five-ton mechanical refrigerating plant. The testing laboratory is equipped for making tests of fat, acidity, moisture, salt, etc., upon dairy products.

Students who are seventeen years of age or over and who have completed the eighth-grade work will be admitted without examination. Others will be admitted upon submitting evidence of sufficient previous training to undertake the work. The work of the course covers two terms of approximately ten weeks each, extending from October 29 to March 29.

COMMERCIAL DAIRYING CURRICULUM

FIRST TERM			SECOND TERM		
Course	Hours		Course	Hours	
	Lect.	Lab.		Lect.	Lab.
Cheesemaking	2	5	Buttermaking	2	4
Ice-Cream Making	2	2	Milk Production	2	4
Farm Dairying	1	4	Market Milk	2	2
Dairy Bacteriology	2	0	Factory Management	3	0
Dairy Mechanics	0	3	Dairy Calculations	2	0
Dairy Calculations	2	0	Market Eggs	1	2
Market Poultry	1	2	Scoring Milk, Butter, Cheese and Ice Cream	0	2
Factory Tests	0	2			
Total	10	18	Total	12	14

AUTOMOBILE MECHANICS

Twenty Weeks Course, Oct. 29 to March 1.

The course for automobile mechanics consists of practical instruction in the operation and repair of automobiles and trucks, together with sufficient general background to give students a working knowledge of automobile construction. The work is grouped in special courses, such as motors, ignition, starting and lighting, and storage batteries, thus enabling the students to specialize according to their needs.

Machine shop work and oxyacetylene welding receive the attention permitted within the time available. Effort is made to keep all work commercial in character and to meet the needs of the garage

mechanic or anyone wishing to enter garage work. The equipment originally provided for wartime training has been kept up to date, and is of the highest grade.

The first sixteen weeks are divided into two eight-weeks periods in which most of the instruction is given. The last four weeks are devoted to shop and service practice. During this period the shop is placed on a commercial basis, the students being allowed to charge a nominal fee for their services.

The course is offered in the School of Practical Agriculture under the direction of the Agricultural Engineering Department. In addition to the fees for health, student association, and breakage, paid by all students in the School of Practical Agriculture, a laboratory fee of \$5 is required. If the work in oxyacetylene welding is taken the fee will be \$10. Entrance requirements are those of the School of Practical Agriculture.

AUTO MECHANICS CURRICULUM

FIRST TERM			SECOND TERM		
Course	Hours		Course	Hours	
	Lect.	Lab.		Lect.	Lab.
Shop Mathematics.....	3		Shop Mathematics.....	3	
Drafting.....	1	6	Tractors.....	1	6
Shop Practice.....	1	3	Oxyacetylene Welding.....		6
Tire Repair.....	1	6	Storage Batteries.....	1	3
Auto Motors.....	2	12	Machine Shop.....		12
Auto Chassis.....	1	6	Auto Motor Ignition.....	2	9
Total.....	9	33	Total.....	7	36

A certificate will be issued upon the completion of six months' satisfactory employment in a commercial garage.

POULTRY HUSBANDRY

Two-Weeks Course, Jan. 28, to Feb. 9, 1929.

The aim of the poultry short course is to give sufficient technical knowledge and practical experience that many of the pitfalls of commercial poultry production may be avoided and the chance of success greatly increased. The curriculum includes study and practice in poultry breeding, incubation, brooding, feeding, management, marketing, diseases, and housing.

Equipment of the University poultry plant is made available to short course students. The University flock includes about 600 birds. A laboratory in the basement of Morrill Hall is equipped for incubator practice, fattening of fowls, and candling and grading of eggs for market. A library maintained in the office of Morrill Hall is provided with all latest poultry books, magazines, and bulletins.

The course is open to all. There are no entrance requirements and no tuition is charged. Previous experience in poultry work is not necessary.

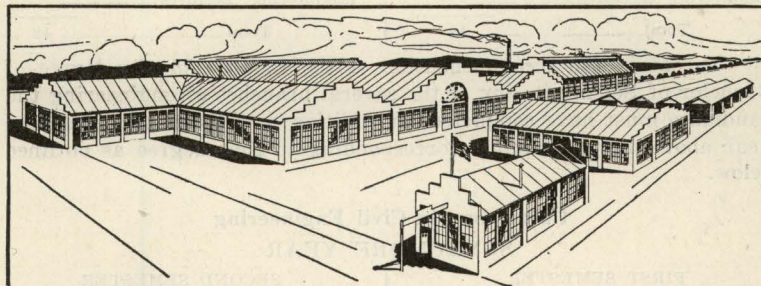
THE COLLEGE OF ENGINEERING

IVAN C. CRAWFORD, C.E. *Dean of the College*
 J. HUGO JOHNSON, E.E. *Secretary of the College Faculty*

EQUIPMENT

CIVIL ENGINEERING.—In civil engineering there is a full equipment of field instruments, with an unusually well-appointed drafting room, a complete cement-testing laboratory and a 200,000-pound universal Olsen testing machine, for testing wood, iron, and steel, and the desirable supplementary equipment. A road-materials laboratory fully equipped for testing both bituminous and non-bituminous materials has been provided and is available not only for the instruction of students but primarily for the service of highway officials thruout the state in making all tests in the course of road construction.

ELECTRICAL ENGINEERING.—This laboratory is equipped to demonstrate the action of the various types of generators, motors, converters, transformers, and other electrical apparatus, by using commercial machines of convenient size. In addition to the photometric and radio laboratories, an electrical standardization laboratory is maintained.



THE ENGINEERING SHOPS

These buildings, affording 25,000 square feet of floor space and occupying a tract of six acres, are additional to those shown in the maps in the front of the catalog.

MECHANICAL ENGINEERING.—The mechanical laboratory is equipped for experimental work on steam, gas, and oil engines; on gas producer, air compressor, feed pump and heater, and injectors; on automobile motors, carburetors, ignition, and starting apparatus. Facilities are provided for fuel analysis and testing. The University heating and cold storage plants are also available for laboratory work. The leading mechanical engineering journals in English will be found in the Library.

CHEMICAL ENGINEERING.—The chemical engineering laboratories are not segregated from those of the Department of Chemistry. There is the necessary equipment for the work of this course.

ADMISSION AND DEGREES

ADMISSION.—For a statement of admission requirements see page 19 and following.

DEGREES.—Curricula are offered in the College of Engineering leading to the degrees of Bachelor of Science in Civil Engineering, B. S.(C.E.); Bachelor of Science in Electrical Engineering, B.S.(E.E.); Bachelor of Science in Mechanical Engineering, B.S.(M.E.); Bachelor of Science in Chemical Engineering, B.S.(Chem.E.)

For the requirements for the advanced degrees of Master of Science in the respective branches of engineering, M.S.(C.E.), etc., see the description of the Graduate School.

REQUIREMENTS FOR GRADUATION

Students in all four-year curricula in the College of Engineering take the same work in the freshman year, as follows:

COMMON FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. Composition.....	3	Eng. 2. Composition.....	3
Math. 11. Freshman Mathematics.....	5	Math. 12. Freshman Mathematics.....	5
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
C.E. 1. Engineering Drafting.....	4	C.E. 2. Descriptive Geometry.....	3
M.E. 1. Wood Work.....	1	M.E. 2. Forge Shop.....	1
Mil 1. Freshman Military.....	2	Mil. 2. Freshman Military.....	2
Engineering Lectures.....		Engineering Lectures.....	
Total.....	19	Total.....	18

To obtain the recommendation of the faculty for the degree of Bachelor of Science in any of the several branches of engineering the candidate must have completed, in addition to the common freshman year above, the curriculum corresponding to that degree as outlined below.

Curriculum in Civil Engineering
SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 21. Calculus.....	4	Math. 22. Calculus.....	4
Phys. 11. Engineering Physics.....	5	Phys. 12. Engineering Physics.....	5
C.E. 3. Surveying.....	4	C.E. 4. Surveying.....	3
Geol. 1. General Geology.....	4	C.E. 6. Mechanics (Statics).....	3
Mil. 3. Sophomore Military.....	2	C.E. 8. Railroad Curves.....	1
		Mil. 4. Sophomore Military.....	2
Total.....	19	Total.....	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics).....	2	C.E. 102. Framed Structures.....	3
C.E. 103. Mechanics of Materials.....	3	M.E. 122. Engines & Boilers.....	3
C.E. 105. Roads and Pavements.....	3	C.E. 104. Hydraulics.....	3
C.E. 107. Railroad Engineering.....	5	Eng. 5. Advanced Composition.....	3
C.E. 109. Testing Laboratory.....	2	E.E. 132. A. C. Machinery.....	2
E.E. 131. D. C. Machinery.....	2	C.E. 106. Reinforced Concrete.....	2
*Elective.....	2	*Elective.....	2
Total.....	19	Total.....	18

*Electives must be approved by the Dean of the College of Engineering.

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 121. Structural Design.....	4	C.E. 120. Irrigation and Drainage.....	3
C.E. 123. Bridge Design.....	2	C.E. 122. Water Supply.....	2
C.E. 125. Sewers and Sewerage.....	2	C.E. 124. Contracts and Specifications.....	2
C.E. 127. Water Power Engineering.....	3	C.E. 126. Masonry and Foundations.....	5
C.E. 129. Engineering Valuations.....	2	C.E. 128. Seminar.....	1
*Elective.....	5	*Elective.....	5
Total.....	18	Total.....	18
Total credits required.....		147	

Curriculum in Electrical Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
M.E. 5. Machine Drawing.....	2	C.E. 6. Mechanics (Statics).....	3
Math. 21. Calculus.....	4	Math. 22. Calculus.....	4
M.E. 13. Mechanism.....	3	C.E. 3a. Surveying.....	2
M.E. 3. Machine Shop.....	2	Phys. 12. Engineering Physics.....	5
Phys. 11. Engineering Physics.....	5	E.E. 22. Elem. Elec. Eng'r'g.....	3
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
Total.....	18	Total.....	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 103. Mechanics of Materials.....	3	C.E. 101. Mechanics (Dynamics).....	2
M.E. 121. Thermodynamics I.....	3	C.E. 104. Hydraulics.....	3
E.E. 133. Prin. of Elect. Eng'r'g.....	3	M. E. 122. Thermodynamics II.....	3
E.E. 135. E. E. Laboratory.....	2	M.E. 123. Machine Design.....	2
Math. 101. Engineering Math.....	3	E.E. 134. A. C. Machinery.....	3
Phys. 131. Elect. and Magnetism.....	2	E.E. 136. E. E. Laboratory.....	2
Phys. 133. Elect. Measurements.....	2	C.E. 109. Materials Laboratory.....	1
Total.....	18	Eng. 5. Advanced Composition.....	3
Total.....		Total.....	19

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
M.E. 128. M. E. Laboratory.....	2	E.E. 142. Electrical Engineering.....	5
E.E. 141. Electrical Engineering.....	5	E.E. 144. E. E. Laboratory.....	2
E.E. 143. E. E. Laboratory.....	2	E.E. 146. Power Seminar.....	1
E.E. 145. Power Seminar.....	1	E.E. 150. Radio Engineering.....	3
E.E. 147. Electrical Design.....	3	C.E. 124. Contracts and Specifics.....	2
*Elective.....	5	*Elective.....	5
Total.....	18	Total.....	18
Total credits required.....		147	

Curriculum in Mechanical Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 21. Calculus.....	4	C.E. 6. Mechanics (Statics).....	3
Phys. 11. Engineering Physics.....	5	Math. 22. Calculus.....	4
M.E. 13. Mechanism.....	3	Phys. 12. Engineering Physics.....	5
M.E. 3. Machine Shop.....	2	M.E. 4. Foundry.....	3
M.E. 5. Machine Drawing.....	2	C.E. 3a. Surveying.....	2
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
Total.....	18	Total.....	19

*Electives must be approved by the Dean of the College of Engineering.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanic (Dynamics).....	2	M.E. 122. Thermodynamics II.....	3
C.E. 103. Mechanics of Materials.....	3	M.E. 128. M. E. Laboratory.....	2
M.E. 121. Thermodynamics I.....	3	M.E. 124. Machine Design.....	2
E.E. 133. Prin. of Elect. Engr'g.....	3	E.E. 132. A. C. Machinery.....	3
E.E. 135a. E. E. Laboratory.....	2	E.E. 136a. E. E. Laboratory.....	2
C.E. 109. Testing Laboratory.....	2	C.E. 104. Hydraulics.....	3
M.E. 123. Machine Design.....	3	Eng. 5. Advanced Composition.....	3
Total.....	18	Total.....	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
M.E. 133. Steam Power Plants.....	3	M.E. 144. Heating and Ventil't'g.....	2
M.E. 125. M. E. Design.....	2	M.E. 126. Steam Power Plants.....	2
M.E. 141. Thermodynamics.....	3	M.E. 142. Airplane Engines.....	2
M.E. 129. Aerodynamics.....	3	C.E. 124. Contracts & Specific.....	2
M.E. 127. M.E. Laboratory (Gas).....	2	M.E. 152. Hydraulic Machinery.....	3
M.E. 139. Seminar.....	2	M.E. 140. Seminar.....	1
*Elective.....	3	M.E. 150. Thesis.....	3
Total.....	18	Total.....	18
Total credits required.....		146	

Curriculum in Chemical Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 21. Calculus.....	4	Math. 22. Calculus.....	4
Ger. 1. Elementary German.....	5	Ger. 2. Elementary German.....	5
Chem. 3. Qualitative Analysis.....	4	Chem. 4. Quantitative Analysis.....	4
Phys. 11. Engineering Physics.....	5	Phys. 12. Engineering Physics.....	5
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
Total.....	20	Total.....	20

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 5. Advanced Composition.....	3	C.E. 3a. Surveying.....	2
Ger. 13. Intermediate German.....	3	Ger. 14. Intermediate German.....	3
Chem. 101. Organic Chemistry.....	5	C.E. 6. Mechanics (Statics).....	3
Chem. 103. Adv. Quant. Analysis.....	2	Chem. 102. Organic Chemistry.....	3
E.E. 131. Direct Current Mach.....	2	Chem. 104. Special Quant. Anal.....	3
M.E. 121. Thermodynamics II.....	3	E.E. 132. A. C. Machinery.....	2
Total.....	18	M.E. 128. M.E. Laboratory.....	2
Total.....	18	Total.....	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 107. Industrial Chemistry.....	4	Chem. 108. Industrial Chemistry.....	2
Chem. 105. Theoretical & Physical Chemistry.....	3	Chem. 106. Theoretical & Physical Chemistry.....	3
C.E. 101. Mechanics (Dynamics).....	2	C.E. 104. Hydraulics.....	3
C.E. 103. Mechanics of Materials.....	3	M.E. 123. Machine Design.....	2
M.E. 13. Mechanism.....	3	Technical Elective.....	2
C.E. 109. Testing Laboratory.....	2	C.E. 124. Contracts & Specific.....	2
Chem. 109. Thesis.....	1	Chem. 110. Thesis.....	3
Total.....	18	Total.....	17
Total credits required.....		148	

*Electives must be approved by the Dean of the College of Engineering.

TWO-YEAR COURSE IN MECHANIC ARTS

This course is designed for students who wish to prepare themselves for the industrial trades.

Students entering the course are required to present ten high-school units. Of these units, two must be in English, one in algebra and one in history. The six remaining units may be selected from vocational and elective subjects.

This course is not a preparatory course for the regular four-year course in Mechanical Engineering. None of the work done during the first year will be given college credit.

Two-Year Curriculum in Mechanic Arts

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mechanical Drawing	2	Mechanical Drawing	2
Algebra	5	Solid Geometry	3
Wood Work	1	English	3
Forge Work	1	Shop Practice	2
Plane Geometry	3	Physics	5
English	3	Military	2
Military	2		
Total	17	Total	17

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Machine Drawing	2	Descriptive Geometry	2
Machine Shop	2	Foundry	1
Pattern Making	1	Machine Shop	2
English	3	Engineering Mathematics	5
Power Machinery	3	Power Transmission	3
Engineering Mathematics	5	English	3
Military	2	Military	2
Total	18	Total	18

THE COLLEGE OF LAW

(The Idaho Law School)

ROBERT MCNAIR DAVIS,* A.B., J.D. *Dean of the College*
 SILAS ADELBERT HARRIS, A.B., J.D. *Acting Dean*

HISTORY AND PURPOSE

The Idaho Law School was established by the Board of Regents of the University, at its April meeting in 1909. The attendance during the ensuing years, and the interest shown by the students and public have justified the action of the Regents in establishing the school.

*On leave, 1927-28.

The purpose of the Law Curriculum is to give a legal training to students whose preliminary education and maturity have fitted them for serious professional study. It aims to give a real knowledge of fundamental legal principles and to develop the power of independent legal reasoning. The curriculum covers a minimum period of three academic years and gives an adequate preparation for the practice of law in any American state. In all courses some special attention is paid to Idaho statutes and decisions; this in no way lessens their value for students coming from other states.

The College of Law is conducted upon the theory that the teaching of law is a task requiring all the working time of well trained legal scholars who have made special preparation for the teaching profession. The members of the teaching staff do not practice law but give all their time to instruction and research. Their practice of the law, which gives them an appreciation of the law in operation, has preceded their teaching.

The case system of instruction is used, supplemented by collateral reading, the examination of statutes, the solution of problems, and the delivery of reports upon legal questions.

Final examinations are held at the close of each course, and preliminary examinations are given as needed, especially during the first year, in order that teachers and students may be informed as to the progress which is being made.

In all of the work of the College of Law the honor system prevails. The faculty believes that legal training under the honor system constitutes an important factor in the firm establishment of a high ethical standard among graduates of the college. The classes in the College of Law are relatively small. This limitation is believed by the faculty to be of great advantage to the students, since it enables each instructor to give frequent personal attention to the development of each student and to require quizzes, problems, interviews, and reports which would not be possible were the number of students greatly increased.

PREPARATION FOR THE STUDY OF LAW

Prospective law students are advised that the law is peculiarly an intellectual profession and for its successful study and practice demands a relatively high degree of intellectual maturity. Those with sound and thoro preliminary education will have incomparably the advantage in the study of law over those who lack such preparation. The experience of law teachers is that the standing and progress of law students may, in general, be measured by the extent and quality of their pre-legal education.

The American Bar Association at its annual meeting in 1921, by an overwhelming vote, adopted the following resolution:

(1) The American Bar Association is of the opinion that every candidate for admission to the bar should give evidence of graduation from a law school complying with the following standards:

a. It shall require as a condition of admission at least two years of study in a college.

b. It shall require its students to pursue a course of three years' duration if they devote substantially all of their working time to their studies, and a longer course, equivalent in the number of working hours, if they devote only part of their working time to their studies.

c. It shall provide an adequate library available for the use of the students.

d. It shall have among its teachers a sufficient number giving their entire time to the school to insure actual personal acquaintance and influence with the whole student body.

At its meeting in December, 1921, the Association of American Law Schools, an organization at present composed of more than sixty of the leading law schools of the country, unanimously adopted a resolution that, commencing in 1925, all member schools be required to have an entrance requirement of at least two years of college work. The member schools have already set such a minimum standard and many of them require graduation from college.

The requirements for admission to the College of Law of the University of Idaho as a candidate for a degree in law have been fixed according to the standard set forth above, namely, a minimum of two years of collegiate work. It is the opinion of the law faculty that this requirement should be increased to three years at the earliest date practicable. The faculty is of the belief, furthermore, that graduation from college will better prepare for the study of law and it advises all intending law students, where it is possible, to take a complete college course before entering the College of Law.

Since the law touches every human interest, it is not practicable to require a rigid pre-legal course. The law demands primarily a mind trained to precision of thought, coupled with a sufficient knowledge of the history of English and American institutions and of civilization, to appreciate the economic and social forces back of our legal institutions.

The prospective law student ought to have a substantial general education in the fundamental subjects. He is advised to select in the first two years of his course those subjects that require precision in thought for their mastery, such as mathematics, foreign languages, and physical science. Electives to supply an informational background for law study should be found in economics, accounting, political science, philosophy, and history. A knowledge of Latin is not indispensable to law study but its study is recommended not only for its disciplinary value, but as a means of developing a clear, strong English style in writing and speaking. Careless expression indicates confused thinking. Failure of the reader to understand clearly the meaning of words on the printed page is equally fatal to clear thinking.

REQUIREMENTS FOR ADMISSION

Sixty-four credits in courses of college grade (including not more than eight credits in Military and Physical Education), the equivalent of two years of collegiate work, are necessary for admission to the College of Law as a candidate for the degree in law.

Three-fourths of the credits offered must be above grade D and the average must be at least C.

MINIMUM AGE FOR ENTERING LAW SCHOOL.—An applicant for admission to the Law School must be at least eighteen years of age.

SUGGESTED PRE-LEGAL COURSE

All students taking courses in the University preparatory to their entrance into the College of Law are requested to consult the Dean of that college before making their final choice of courses to be pursued during such preparatory work. The following suggestions are recommended but not required.

FIRST YEAR

English 1 and 2, three hours a week thruout the year.

History 1 and 2 (Early Middle Ages and Later Middle Ages), three hours a week thruout the year, or History 9 and 10 (United States History), three hours a week thruout the year.

Political Science 21 and 22 (American Government), three hours a week thruout the year.

Psychology 1 (General Psychology), four hours a week, for one semester.

At least one course in a foreign language (ancient or modern) or in science or mathematics. (Where a foreign language, not pursued by the student in high school, is elected it must be carried thruout the two years.)

SECOND YEAR

English 11 and 12 or English 13 and 14 or English 15 and 16 (English Literature), three or two credits thruout the year.

History 11 and 12 (United States History), three hours a week thruout the year.

Philosophy 5 (Logic), three hours a week for one semester.

Economics 11 and 12 (Principles of Economics), four hours a week thruout the year.

Economics 81 and 82 (Principles of Accounting), three hours a week thruout the year.

Foreign language continued, if elected in freshman year.

(It is recommended that additional subjects necessary to make a complete schedule should be chosen from the social science group (Economics, History, Philosophy, Sociology, and Political Science).)

ADMISSION TO COMBINED COURSE

A student may secure the degrees of Bachelor of Arts and Bachelor of Laws in six years under the following regulation of the college of Letters and Science:

Any candidate for the Bachelor of Arts degree, who at the end of the junior year has completed ninety-six semester hours and who has satisfied all other requirements of the College of Letters and Science for this degree, may in his senior year take the full first year of the law course, and upon completion of the same be entitled to receive the degree of Bachelor of Arts. Upon satisfactory completion thereafter of two years of advanced law study the degree

of Bachelor of Laws will be conferred. No student may substitute the first year of law as above provided, who shall have failed to maintain a uniform record of good scholarship to the end of his junior year in the College of Letters and Science. Similar regulations apply to students in the School of Business Administration. It is understood that such students taking the combined course shall register in the College of Law at the beginning of their law study.

This combined course is urgently recommended to all students who find it impossible to complete four years of college study before entering the College of Law.

No work included in the above ninety-six credits and counted towards the Bachelor of Arts degree may be counted again toward the LL.B degree.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must satisfy the following requirements:

1. Compliance with the requirements for admission to the first-year class.

2. For admission to the second-year class, applicants must have successfully pursued the study of law in residence for at least one year in an approved law school, where they have received credit for courses equivalent to those required during the first year in the College of Law.

3. For admission to the third-year class applicants must have successfully pursued the study of law in residence for at least two years in an approved law school where they have received credit for courses equivalent to those required during the first year and twenty-four credits in second year courses in the College of Law.

No credit will be given for work completed elsewhere than in standard law schools *while in residence at such schools*; therefore, no credit can be given for work done in a law office or by correspondence.

No student may receive the degree of Bachelor of Laws without at least one year's work in the University and the successful passing of courses aggregating at least twenty-four semester hours pursued in the College of Law.

Any applicant for advanced standing may also, in the discretion of the law faculty, be required to undergo an examination in any or all subjects presented for advanced standing.

SPECIAL STUDENTS

In rare instances persons who cannot qualify as candidates for the degree of Bachelor of Laws may be admitted as special students on petition to the Committee on Admissions, approved by the faculty of the College of Law.

The applicant must show that he is more than twenty-three years of age, that he is unable to pursue such studies as will qualify him for admission as a regular student, that he possesses such educational training and practical experience as will enable him to pursue the study of law satisfactorily. Application for permission to enter as a special student should, therefore, be made in advance of the regular registration period.

It must be distinctly understood that such special students are not candidates for a degree in law.

STUDENTS IN OTHER COLLEGES

Students of at least junior standing in other colleges of the University may be permitted to take work in the College of Law, but conditioned in each case upon the consent of the instructor offering the course which such student desires to take.

PRACTICE COURT AND PROCEDURE

A portion of the law course is devoted to exercises in trial practice regularly and systematically conducted in a practice court under the direction of a member of the faculty having special training and experience. This work follows as closely as practicable the procedure of corresponding Idaho courts and is preceded by an extensive course in the Principles of Trial Practice with particular reference to the rules of practice in Idaho as well as by thoro courses in Legal Bibliography, Brief Making, Procedure, Pleading and Evidence.

In the practice court, which is only a part of the course in Practice, cases arising upon a given statement of facts are prepared and assigned by the Professor of Practice and from such statements the pleadings are prepared and issues are framed. These cases ordinarily furnish good opportunity in the preparation of the pleadings and argument of the questions of law involved. When the cases are at issue and the pleading approved they are assigned for trial.

The work is arranged so that in the trial of the cases the students will encounter problems that arise most frequently in practice.

After the case is disposed of upon the trial of a question of law or the issue of fact, the students are then given opportunity to carry the case thru the appellate court.

The class has available a large number of records of cases that have been disposed of in the Supreme Court of Idaho. This furnishes an unusually good opportunity to study methods of preparing pleadings and presenting evidence, and of preparing the record for the appeal.

COURTS

Moscow is the county seat of Latah County, Idaho, and is also the seat of the United States District Court for the Central Division of the State. Students will, therefore, have ample opportunity to observe the actual workings of the courts.

EQUIPMENT AND LIBRARY

ROOMS.—The Law School occupies rooms set apart for its use in the Administration Building at the University. These rooms include recitation rooms, the dean's office and offices for the other members of the law faculty, the law library and study rooms, and the court room.

LIBRARY.—The law library and study rooms provide ample table space for the use of law students. They contain a growing law library of more than eight thousand volumes of law books, including the standard digests, textbooks and encyclopedias of law; the statutes of the United States and of a majority of the American states; the reports of the Supreme Court of the United States and most of the state reports prior to the National Reporter System; American Decisions; American Reports and American State Reports. It also contains Lawyers' Reports Annotated; American Law Reports; American and English Annotated Cases; English Ruling Cases; British Ruling Cases; New York Common Law and New York Chancery Reports; English Common Law Reports and English Chancery Reports; Moak's English Reports and the Law Journal English Reports; The National Reporter System, including Federal Cases, the Federal Reporter and New York Supplement. In addition, it contains the leading legal periodicals, and such works as are adapted to general legal instruction, including legal history and development. The general library contains a good selection of works on international law and Roman law.

ASSOCIATION OF AMERICAN LAW SCHOOLS

The College of Law is a member of the Association of American Law Schools, an organization of more than sixty of the high grade law schools of the United States and Canada, devoted to the improvement of legal education in America, and is given approved rating by the American Bar Association.

REQUIREMENTS FOR GRADUATION AND DEGREE

Students who have complied with all entrance requirements and have completed the prescribed first-year courses and have obtained forty-eight credits for advanced studies as prescribed by the following outlined courses, or equivalents from other schools, and who have spent three years in the study of law at standard law schools, the last year at least having been spent in this school, will receive the degree of Bachelor of Laws (LL.B.) from the University, provided that at least two-thirds of the law credits offered are above grade D. Students entering the College of Law in September, 1925, and thereafter are required to attain grade C or better in at least three-fourths of the law credits offered for the degree.

Special students whose work is satisfactory and who complete the whole or any part of the course may receive certificates stating the work done. Students in other colleges of the University who elect law studies will receive appropriate credits toward their degrees under the regulations prescribed by the several colleges.

FEES AND EXPENSES

TUITION FEE.—A tuition fee of \$12.50 a semester, payable in advance, and not subject to rebate in case of failure from any cause to complete the semester's work is required of all students in the College of Law.

Students not residents of Idaho, entering as undergraduates in regular courses since September, 1925, are required to pay an additional fee of \$30 a semester.

OTHER EXPENSES.—A statement of general University fees and expenses will be found beginning on page 26.

COURSES OF INSTRUCTION

The course of study covers three full academic years. The classroom work occupies a minimum of twelve hours a week, the unit of instruction and credit being one hour per week per semester. The prescribed first-year work is required of all first-year students. Each student in the second and third-year courses is required to take a minimum of twelve hours and may not, during any semester, receive credit for more than fifteen hours.

In Courses 101-102; 115-116; 205-206; 207-208; and 235-236; no credit will be given for the work of the first semester until the work of the second semester is completed and an examination upon the entire course is passed.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Law 101. Contracts.....	3	Law 102. Contracts.....	3
Law 105. Criminal Law.....	3	Law 104. Agency.....	4
Law 109. Civil Procedure.....	3	Law 112. Rights in Land.....	3
Law 111. Personal Property.....	2	Law 116. Torts.....	3
Law 115. Torts.....	2		
Total.....	13	Total.....	13

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Law 201. Equity.....	3	Law 202. Equity.....	3
Law 207. Evidence.....	3	Law 204. Code Pleading.....	3
		Law 208. Evidence.....	2
		Law 203. Legal Bibliography.....	1
Total.....	6	Total.....	9

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Law 219. Constitutional Law.....	2	Law 220. Constitutional Law.....	2
Law 235. Private Corporations.....	2	Law 236. Private Corporations.....	2
Law 237. Practice.....	2	Law 238. Practice.....	2
		Law 240. Conflict of Laws.....	3
Total.....	6	Total.....	9

ALTERNATING IN SECOND AND THIRD YEARS

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
*Law 205. Trusts.....	2	*Law 206. Trusts.....	2
*Law 215. Partnership.....	3	†Law 211. Wills.....	3
†Law 217. Public Utilities.....	2	*Law 210. Professional Ethics.....	2
†Law 221. Sales.....	3	*Law 216. Mining Rights.....	3
†Law 228. Water Rights.....	2	†Law 218. Negotiable Instruments.....	3
†Law 234. Community Property.....	2	*Law 212. Titles to Real Estate.....	3
Total.....	12	Total.....	10

THE SCHOOL OF MINES

FRANCIS ANDREW THOMSON, D.Sc., E.M.....*Dean of the School*

ORGANIZATION

From its beginning the University of Idaho, situated as it is in one of the premier mining districts of the Union, has appropriately maintained courses in the technology of the mineral industries, and men trained in these courses have gone forth to render valuable service in the development of the state's great mineral wealth. In order further to strengthen this work the Commissioner and Board of Education, acting upon the recommendation of the President of the University, announced in August, 1917, the creation of a School or College of Mines as an administrative unit of the University. The field of the School of Mines is thus indicated:

"Within this School will be included the work in mining proper, in metallurgy, and in geology; and it shall include the exploitation of the non-metalliferous minerals (except road-making material) as well as that of the precious and useful metals."

In compliance with this instruction the School of Mines offers courses and curricula leading to the degrees of Bachelor of Science in Geology, Mining, and Metallurgy. Graduate work leading to the degree of Master of Science in these respective branches is also offered.

*Offered in 1927-28 and in alternate years.

†Offered in 1928-29 and in alternate years.

‡Omitted in 1928-29.

SITUATION

Moscow is situated at the heart of the most diversely productive mineral region of the world. Within a radius of 300 miles has been produced mineral worth more than \$2,000,000,000, most of it within the last twenty-five years. Within this area will be found the richest copper mines and the largest copper smelter in the world (Butte and Anaconda), the greatest silver-lead district in existence (the Coeur d'Alene), and the largest electrolytic zinc plant yet built (Great Falls). In addition to these there lies within this circle a great multitude of modern-sized mining enterprises, including the placer and quartz mines of central Idaho, the lead, copper, gold, and silver mines of Blaine, Boise, Boundary, Bonner, Custer, Elmore, and Lemhi counties, the magnesite mines of northern Washington, and the coal mines of western Washington. This circle cuts the forty-ninth parallel and includes within its bounds the copper-gold mines of the Rossland and Boundary districts, and the silver-lead properties of East Kootenay, with their accompanying smelters and reduction plants, which are themselves among the most important in the British Empire.

Thus the student at the School of Mines is within easy reach for illustration and for summer employment of almost every form of mining and metallurgical operation.

EQUIPMENT AND FACILITIES

The School of Mines equipment is conveniently described under the three heads of geology, mining, and metallurgy. In addition to the facilities here described the student has the advantage of the well-equipped laboratories of the departments of Chemistry, Physics, and Mechanical, Electrical, and Civil Engineering, as well as opportunity for studies in English, economics, history, languages, and other branches, in the College of Letters and Science.

GEOLOGY AND MINERALOGY.—The geological laboratories, museum, and classrooms are in the Geology Building. Two laboratories are maintained for work in mineralogy—one for general mineralogy and blow-pipe analysis and another for optical mineralogy and petrography. Working equipment includes representative minerals, both massive and crystalline, for comparative study; orientated thin sections of important rock-making minerals; crystal models, several hundred thin sections, and hand-specimens of rocks; natural and artificial mineral crystal models and more than 3000 mineral specimens; more than 2000 rock specimens, including a collection of Idaho rocks; 1000 specimens illustrating ore deposits; and a representative collection of fossils and casts. Microscopes, binocular and metallographic, including one of the highest grade LeChatelier type, are provided, together with thin-sectioning apparatus, a projecting lantern, topographic and geologic maps, etc.

MINING.—The equipment in mining includes a large collection of mine models, models and examples of mine timbering, air compressor,

rock drills, and rock-drill testing apparatus, and also surveying instruments. This equipment is housed in the metallurgical laboratory.

METALLURGY.—The metallurgical and assay laboratories are among the most complete in the west. Large- and small-scale apparatus for ore treatment, by wet and dry processes, is provided. There are five double-muffle furnaces, besides gasoline and melting furnaces; a chemical laboratory, lavatory and change-room, store-room, parting-room, and balance room; laboratory crushers, bucking-boards, disc pulverizer, gyratory, small rolls, jaw crushers, ball-mills, screens, etc.; a 1000-lb., two-stamp mill with several types of concentrating tables; flotation machines of various sorts; apparatus for leaching and agitation tests and for preparation of pulps; pyrometers, calorimeters, and other equipment.

JOS. J. TAYLOR LIBRARY.—Thru the generosity of Mr. Jos. J. Taylor of Montpelier, one of the veteran mining engineers of the west, the School of Mines is the possessor of a small but select library of technical books and reports of great value, and thru gifts and loans from other friends and members of the faculty an excellent research library is being gradually built up.

GENERAL INFORMATION

FEES AND EXPENSES.—For a statement of fees and expenses see page 26 and following.

SPECIAL COURSES.—Special courses will be arranged for students of mature years according to their individual needs and ability.

PRACTICAL MINING.—Every student taking the regular mining curriculum is required to spend at least three months of the summer vacation at mines, mills, or smelters. A written report with sketches and photographs must be submitted to the Professor of Mining the first week of the first semester, detailing the observations of the summer work regarding methods, machinery, and costs.

MINING TRIPS.—During the spring vacation, a visit is made to one of the large mining districts for detailed study of mining and metallurgical practice. This trip is required of junior and senior students. The opportunities for mining and metallurgical trips of this kind are unusually good. Within easy reach are some of the greatest lead and copper mines and smelters in the world, affording excellent examples of current practice. Thru the courtesy of their managements all of these plants are open to students of the School of Mines for study and observation.

GRADUATE FELLOWSHIPS.—The School of Mines offers each year two graduate fellowships carrying an income of \$750 a year each. The work of these Fellows is carried on as a part of the cooperative arrangement between the Idaho Bureau of Mines and Geology and the

United States Bureau of Mines, by which the latter maintains an ore-dressing station at the University. By this plan the graduate fellows are engaged under the direction of the members of the Bureau of Mines staff in research work planned for the solution of some of the pressing ore-treatment problems of the State of Idaho.

THE JEROME J. DAY SCHOLARSHIP.—Mr. Jerome J. Day of Moscow has established in the School of Mines a loan scholarship to be awarded each year to the sophomore in the School of Mines who is a graduate of an Idaho high school and who, in the opinion of the committee, is the most deserving applicant, as demonstrated by his record during the freshman year. Under the terms of the scholarship it will be possible for each holder thereof to borrow from the scholarship fund, during his sophomore, junior, and senior years, an amount not to exceed \$300 a year. This loan is to run without interest until graduation and to bear interest at six per cent per annum from the date of the student's graduation until repaid into the Day Scholarship Fund.

ADMISSION

For a statement of admission requirements, see page 19.

CURRICULA

Students in all three curricula, viz., Geology, Mining, and Metallurgy, take the same work in the freshman year. It will be unnecessary for the student until the beginning of his sophomore year to indicate which curriculum he expects to follow. In this way he can gain an idea of the field and make his choice with greater knowledge and foresight.

COMMON FRESHMAN YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Min. 1. Mineral Industry.....	1		Min. 2. Mineral Industry.....	1	
Eng. 1. English Composition.....	3		Eng. 2. English Composition.....	3	
Math. 1. Freshman Mathematics.....	4		Chem. 2. General Chemistry	4	
Chem. 1. General Chemistry.....	4		Math. 2. Freshman Mathematics.....	4	
C. E. 1. Engineering Drafting.....	4		C. E. 2. Descriptive Geometry.....	3	
Mil. 1. Freshman Military.....	2		Mil. 2. Freshman Military.....	2	
Total.....	18		Total.....	17	

Geological Option

SOPHOMORE YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Geol. 1. General Geology.....	4		Geol. 2. Historical Geology.....	4	
Geol. 103. Mineralogy.....	3		Geol. 104. Mineralogy.....	3	
Phys. 1. General Physics.....	4		Phys. 2. General Physics.....	4	
Econ. 11. Prin. of Economics.....	4		Econ. 12. Prin. of Economics.....	4	
Mil. 3. Sophomore Military.....	2		Mil. 4. Sophomore Military.....	2	
Min. 101. Elements of Mining.....	3		Eng. 5. Advanced Composition.....	3	
Total.....	20		Total.....	20	

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C. E. 3. Surveying.....	4	C. E. 4. Surveying.....	3
Chem. 3. Qualitative Analysis.....	4	Chem. 4. Quantitative Analysis.....	4
Geol. 109. Economic Geology.....	3	Geol. 110. Economic Geology.....	3
Met. 103. Fire Assaying.....	3	Geol. 130. Field Methods.....	2
Geol. 111. Optical Mineralogy.....	2	Met. 104. Met. of Gold and Silver.....	2
or		Geol. 114. Petrography.....	2
Geol. 113. Structural Geology.....	2	or	
Elective.....	3	Geol. 128. Metamorphic Geology.....	2
		Elective.....	2
Total.....	19	Total.....	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Geol. 213. Mineragraphy.....	2	Geol. 200. Thesis.....	2
Min. 105. Mining Economics.....	2	Min. 103. Mine Plant Design.....	3
Min. 103. Mine Plant Design.....	3	Min. 106. Mine Surveying.....	2
Met. 105. Met. of Copper & Lead.....	2	Met. 102. General Metallurgy.....	3
Geol. 113. Structural Geology.....	2	Min. 110. Senior Trip.....	2
or		Geol. 128. Metamorphic Geology.....	2
Geol. 111. Optical Mineralogy.....	2	or	
Elective.....	5	Geol. 114. Petrography.....	2
		Elective.....	2
Total.....	16	Total.....	16

Mining and Metallurgical Options

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 21. Calculus.....	4	Math. 22. Calculus.....	4
Phys. 11. Engineering Physics.....	5	Phys. 12. Engineering Physics.....	5
Geol. 1. General Geology.....	4	Geol. 2. General Geology.....	4
Geol. 103. Mineralogy.....	3	Geol. 104. Mineralogy.....	3
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
Total.....	18	Total.....	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 3. Qualitative Analysis.....	4	Chem. 4. Quantitative Analysis.....	4
C. E. 3. Surveying.....	4	C. E. 4. Surveying.....	3
Met. 103. Fire Assaying.....	3	C. E. 6. Mechanics.....	3
Econ. 11. Principles of Economics.....	4	Eng. 5. Advanced Composition.....	3
Elective.....	2	Met. 102. General Metallurgy.....	3
		Econ. 12. Principles of Economics.....	4
Total.....	17	Total.....	20

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Min. 101. Elements of Mining.....	3	Min. 104. Mine Plant Design.....	3
Min. 103. Mine Plant Design.....	3	Min. 105. Mine Economics.....	1
Min. 105. Mine Economics.....	1	Min. 106. Mine Surveying.....	2
Min. 108. Mine Rescue.....	1	Min. 110. Senior Trip.....	2
Met. 101. Ore Dressing.....	4	Met. 104. Met. of Gold and Silver.....	2
Geol. 109. Economic Geology.....	3	Geol. 110. Economic Geology.....	3
Elective.....	3	Min. 200. Thesis.....	2
		Elective.....	2
Total.....	18	or	
		Geol. 128. Metamorphic Geology.....	2
		Total.....	17

MINING OPTION

Geol. 113. Structural Geology.....	2	Geol. 128. Metamorphic Geology.....	2
or		or	
Geol. 111. Optical Mineralogy.....	2	Geol. 114. Petrography.....	2
Total.....	20	Total.....	19

METALLURGY OPTION

Met. 105. Met. Cu and Pb.....	2	Met. 106. Met. Iron and Steel.....	1
		Met. 109. Electro Metallurgy.....	1
Total.....	20	Total.....	19

THE SCHOOL OF FORESTRY

FRANCIS GARNER MILLER, M.F. *Dean of the School*

HISTORY

The School of Forestry of the University of Idaho was established in 1909, and was administered as a department until August, 1917, when, on the recommendation of the Commissioner of Education and the President of the University, it was organized as an independent school, thus placing it on a par with the other independent divisions of the University.

PURPOSE

The forestry problems of Idaho are many-sided, complex, and important. Economic operation, conservation, and reforestation are vital questions, in the final solution of which the United States Government, the State, including its educational system, and the lumber industry must cooperate. The function of the School of Forestry is to assist in the solution of these problems by affording facilities for instruction in forestry and by encouraging the scientific management of forest resources. The success of the School depends on the magnitude of its field, on the independent position which it occupies by virtue of its relation to the public-school system, its scientific bearing and standards, and the close relations which it maintains with the public schools, the lumber industry, and the agencies of the state and national governments.

LOCATION

The School has exceptional advantages for developing practical foresters and lumbermen, as it is within a short distance of heavy forests and large lumber camps. Some of the largest sawmills and logging camps in the United States are but a short ride from the campus. Every possible phase of the lumber industry is concentrated within a few miles of Moscow.

Excursions are made at all seasons of the year to sawmills, logging camps, and virgin and cut-over forests in order that practical field-work in every part of the subject may be had.

EQUIPMENT

ARBORETUM AND NURSERY.—The School of Forestry maintains an arboretum and forest nursery adjoining the University campus. This tract comprises forty acres, in which are growing about 150 species of trees. Parts of the arboretum are already beginning to show natural pruning and thinning. There is thus afforded right at hand an exceptional opportunity to forestry students and others for making studies in dendrology and silviculture. To encourage the establishment of wood-lots and windbreaks and the planting of shade and ornamental trees, the School supplies forest and shade trees to the people of the state at approximately cost.

DEMONSTRATION FOREST.—The School of Forestry has a section of forest land about six miles from Moscow, which is maintained as a demonstration forest and field laboratory.

LABORATORIES.—Laboratory equipment and the use of the arboretum and nursery, together with the frequent trips that are taken to the forests, provide ample facilities for the study of mensuration, silviculture, dendrology, wood technology, logging engineering and lumbering, and by-products.

The mensuration laboratory is equipped with apparatus sufficient to meet the demands of the school in cruising and in making studies of growth and yield. The laboratory in dendrology is provided with a tree herbarium and a large collection of tree seeds and cones. In wood technology a complete line of wood samples is available for the identification of woods—also a set of microscopic slides of native woods. The laboratory is equipped with compound microscopes and ample facilities for the preparation of wood sections. For study of logging engineering and lumbering a variety of logging apparatus is available—also a large collection of lumber, showing grades and standard sizes. A by-products laboratory has been fully equipped with a large semi-commercial distillation retort, a superheater, and two small retorts, together with a full line of chemicals and apparatus for the analysis and standarization of the various by-products obtained from wood. Greenhouse space is provided, thus making possible germination tests and studies in seedling growth at all seasons of the year. Auto trucks are provided for field trips, and for a week or more each year the work of the class is transferred entirely to the field.

FEES AND EXPENSES

For a statement of fees and expenses, see page 26.

ADMISSION AND DEGREES

For a statement of admission requirements see page 19.

CURRICULA

Curricula are offered in the School of Forestry leading to the degree, Bachelor of Science in Forestry. For requirements for the degree, Master of Science in Forestry, see the announcement of the Graduate School.

Owing to the demands made on the School of Forestry for men trained in special lines of forestry work it has been necessary to differentiate the subjects taught into three four-year curricula. The first is known as the Curriculum in General Forestry and is designed to prepare students for work in the Forest Service, with state governments, or in private forestry. The second is known as the Curriculum in Logging Engineering and is designed to prepare young men to be of service with lumber manufacturers and loggers, or with timber owners who desire to secure foresters who have had more than the usual amount of training in mechanics and allied subjects, thus fitting themselves to become logging engineers. The third is the Curriculum in Range Management and is designed to prepare young men for all lines of grazing work with the Forest Service and with livestock companies. Opportunity is given also for specialization in forest products or in the lumber business.

Students in all four-year curricula in the School of Forestry take the same work in the freshman year, as follows:

COMMON FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
Math. 1. Freshman Mathematics.....	4	Math. 2. Freshman Mathematics.....	4
For. 1. Elements of Forestry.....	2	For. 10. Dendrology.....	4
Bot. 1. General Botany.....	4	For. 61. Fire Protection.....	2
C.E. 11. Engineering Drafting.....	3	Bot. 2. General Botany.....	4
Mil. 1. Freshman Military.....	2	Mil. 2. Freshman Military.....	2
Total.....	18	Total.....	19

Curriculum in General Forestry

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 1. Principles of Economics.....	4	Econ. 2. Principles of Economics.....	4
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
C.E. 3. Plane Surveying.....	3	C.E. 4. Topographic Surveying.....	3
For. 23. Forest Ecology.....	3	For. 26. Seeding and Planting.....	3
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
Elective.....	2		
Total.....	18	Total.....	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
For. 141. Forest Hist. and Policy.....	3	Ent. 6. Forest Entomology.....	2
For. 151. Range Management.....	3	Bot. 102. Plant Physiology.....	4
For. 131. Wood Technology.....	4	For. 135. Wood Preservation.....	3
For. 153. Forest Mensuration.....	3	For. 150. Forest Management.....	2
Elective.....	3	For. 154. Forest Mensuration.....	3
		Elective.....	2
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 1. General Physics.....	4	Phys. 2. General Physics.....	4
For. 133. Forest By-Products.....	3	For. 110. Advanced Dendrology.....	2
For. 155. Forest Management.....	3	For. 156. Forest Management.....	3
For. 171. Logging.....	3	For. 164. Forest Pathology.....	2
For. 123. Practice of Silviculture.....	3	For. 172. Lbr. Mfg. & Distribut'n.....	3
For. 157. Forest Mensuration.....	3	For. 174. Forest Engineering.....	2
		For. 180. Thesis.....	2
Total.....	19	Total.....	18

Total credits required for graduation, 140

Curriculum in Logging Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 1. Principles of Economics.....	4	Econ. 2. Principles of Economics.....	4
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
C.E. 3. Plane Surveying.....	3	C.E. 4. Topographic Surveying.....	3
Math. 21. Calculus.....	4	C.E. 8. Railroad Curves.....	1
For. 23. Forest Ecology.....	3	Math. 22. Calculus.....	4
Mil. 3. Sophomore Military.....	2	For. 26. Seeding & Planting.....	3
		Mil. 4. Sophomore Military.....	2
Total.....	20	Total.....	20

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 1. General Physics.....	4	Phys. 2. General Physics.....	4
C.E. 107. Railroad Engineering.....	5	For. 135. Wood Preservation.....	3
For. 131. Wood Technology.....	4	For. 150. Forest Management.....	2
For. 153. Forest Mensuration.....	3	For. 154. Forest Mensuration.....	3
		C.E. 6. Mechanics (Statics).....	3
Total.....	16	Total.....	15

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics).....	2	For. 156. Forest Management.....	3
For. 133. Forest By-Products.....	3	For. 164. Forest Pathology.....	2
For. 155. Forest Management.....	3	For. 172. Lbr. Mfg. & Distribut'n.....	3
For. 171. Logging.....	3	For. 174. Forest Engineering.....	2
For. 123. Practice of Silviculture.....	3	For. 180. Thesis.....	2
For. 157. Forest Mensuration.....	3	Elective.....	3
Total.....	17	Total.....	15

Total credits required for graduation, 140

Curriculum in Range Management

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 1. Principles of Economics.....	4	Econ. 2. Principles of Economics.....	4
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
C.E. 3. Surveying.....	3	C.E. 4. Surveying.....	3
For. 23. Forest Ecology.....	3	For. 26. Seeding & Planting.....	3
A.H. 1. Market Types of Livestock.....	3	For. 52. History of Range.....	2
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
Total.....	19	Total.....	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bot. 13. Systematic Botany.....	3	Bot. 102. Plant Physiology.....	4
For. 141. For. History and Policy.....	3	Bot. 14. Systematic Botany.....	3
Agron. 155. Origin of Soils.....	2	For. 150. Forest Management.....	2
For. 151. Range Management.....	3	For. 152. Native Forage Plants.....	3
For. 131. Wood Technology.....	4	For. 154. Forest Mensuration.....	3
For. 153. Forest Mensuration.....	3	Ent. 6. Forest Entomology.....	2
Total.....	18	Total.....	17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 1. General Physics.....	4	Phys. 2. General Physics.....	4
For. 133. Forest By-Products.....	3	For. 156. Forest Management.....	3
For. 155. Forest Management.....	3	For. 164. Forest Pathology.....	2
For. 171. Logging.....	3	For. 174. Forest Engineering.....	2
For. 123. Practice of Silviculture.....	3	For. 180. Thesis.....	2
For. 157. Forest Mensuration.....	3		
Total.....	19	Total.....	13

Total credits required for graduation, 140

THE SCHOOL OF EDUCATION

J. FRANKLIN MESSENGER, PH.D.....	<i>Dean of the School</i>
BERNICE MCCOY, M.S. (ED.).....	<i>Secretary of the Faculty</i>

The organization of the School of Education as an independent unit of the University of Idaho was authorized by the Board of Regents in June, 1920.

The work of the school consists in training high-school teachers, principals, superintendents, and supervisors. The services of the school will be at the disposal of teachers who wish to improve themselves while in service, of school trustees who wish assistance in securing teachers, and of teachers who wish to secure positions in the high schools of the state.

FEES AND EXPENSES.—For a statement of fees and expenses, see page 26.

SUGGESTIONS AS TO CHOICE OF COURSES.—Students who wish to teach are advised to keep the following points in mind when planning their courses. A teacher should be well grounded in the use of the English language, and should begin early to form the habit of careful use of the native tongue; he should acquire as large a fund of general information as possible, and cultivate a wide range of interests in order to talk intelligently and sympathetically with pupils having a great variety of interests and ambitions; he should be pre-

pared to teach two subjects well (he may be called upon to teach more subjects, but two are enough for specialization); he should be professionally prepared for his work.

The teacher's professional preparation consists in the study of (1) the nature of the pupils to be educated; (2) the making of curricula; (3) systematic methods of choosing and presenting materials so that the pupils may be formed as well as filled; (4) the meaning of education and its place in the civilization which we enjoy and help to make; and finally, (5) a teacher should have a personal philosophy of life, which gives him character.

PRACTICE TEACHING.—The public high school of the city of Moscow is used for practice teaching. Actual school-room conditions are thus provided for observation and for practice.

ADMISSION.—For a statement of admission requirements, see page 19.

DEGREE.—Upon completion of all requirements the degree of Bachelor of Science in Education will be given.

CERTIFICATES.—Graduates of the School of Education receive a state high-school teacher's certificate, issued by the State Board of Education upon recommendation of the dean. It is common also for other states to accept this recommendation and issue certificates. The number of credits in Education required for a certificate in the different states varies from ten to twenty-four. All students must pass the course in Idaho Law, Manual, and Civics.

POSITIONS.—The University maintains a registration bureau for securing positions for teachers. No charge is made for this service. The number of calls for teachers far exceeds the number of candidates. Our first thought is for the home state, but many calls come from other states, and when students wish to go elsewhere assistance is cheerfully given to them. Graduates are urged to keep in touch with the school in order to be in line for deserved promotions.

SHORT COURSE.—For the benefit of those students who cannot remain in college for the four years consecutively, a special short course is provided. A student who completes the sophomore year, with ten credits in Education, will receive a state elementary certificate upon recommendation of the dean. This makes it possible for a student to teach one or more years and then return and finish the course for the degree, without break in continuity of the work.

PSYCHOLOGY LABORATORY.—The Department of Psychology occupies five rooms on the third floor of the Administration Building. In the laboratory are found fixtures, apparatus, and materials necessary for the accommodation of 100 students working at one time. The laboratory work consists of experimental problems in sensation; mem-

ory; association; reaction time; learning; attention; mental testing; feeling tone of color, language, type face, line, form; perception; discrimination; strength of desires; strength of appeals. The equipment and materials, while not the best, are adequate for good work in experimental investigations of all grades from beginning work in the general courses to research for the master's degree.

GENERAL CURRICULUM

As early as possible a student should select two subjects which he expects to teach. He must take enough work in each of these subjects to be prepared to teach it. It is advisable to do more than the minimum amount required. It is expected that a part of the free electives will be chosen in the major fields or in closely related fields. A student may be allowed to specialize in one subject.

MINIMUM REQUIREMENTS IN TEACHING SUBJECTS

(The number of requirements varies with the subject.)

	Credits		Credits
English	24	Mathematics, Physics, or Chem-	
Foreign Languages (beyond elementary course)	16	istry	16
		Other Academic Subjects	18

GENERAL REQUIREMENTS (FOR ALL STUDENTS)

	Credits		Credits
English	10	Social Hygiene	2
Military (men)	8	Sociology or American Government	6
or		Philosophy, History, or Economics	6
Physical Education (women)	6	Elective Science or Mathematics	3-4
General Zoology	4		
Heredity and Eugenics	2		

PROFESSIONAL REQUIREMENTS (FOR ALL STUDENTS)

	Credits		Credits
General Psychology	4	Idaho School Law, Manual, and	
Educational Psychology	3	Civics	3
Methods of Study	1	Secondary Education	3
History of Education	6	Methods: Special or Secondary	2-3
		Practice Teaching	3

UPPER DIVISION COURSES

To satisfy the requirements for the degree, 36 credits must be taken in courses numbered 100 or above.

General Curriculum in Education

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Mil. 1. Freshman Military or		Zool. 8. Heredity and Eugenics	2
P.E. 1a-1b. Freshman Course	2	Mil. 2. Freshman Military or	
Zool. 1. General Zoology	4	P.E. 2a-2b. Freshman Course	2
Ed. 9. Methods of Study	1	**Phys. 01. Elementary Physics	5
*Elective	6	*Elective	4
Total	16	Total	16

*Major subjects are included in these electives. Mathematics or one semester of science in addition to Psychology, Zoology, and Physics is required. This may be taken in any year.

**Physics is not required of students who have had Physics or Chemistry in high school.

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Psych. 1. General Psychology.....	4	Psych. 2. Educational Psychology.....	3
††English.....	2- 3	††English.....	2- 3
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
or		or	
P.E. 3. Sophomore Course.....	1	P.E. 4. Sophomore Course.....	1
*Elective.....	6- 7	*Elective.....	7-8
Total.....	16	Total.....	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 141. Principles of Sociology.....	3	Econ. 142. Principles of Sociology.....	3
or		or	
Econ. 21. American Government.....	3	Econ. 22. American Government.....	3
Ed. 105. History of Education.....	3	Ed. 106. History of Education.....	3
†Ed. 5. Idaho School Law.....	3	Zool. 10 or 12. Social Hygiene.....	2
*Elective.....	7	*Elective.....	8
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Ed. 113. Secondary Education.....	3	†Ed. 131. Observation & Practice.....	3
Methods.....	2	Philosophy, History, or Economics.....	3
Philosophy. History, or Economics.....	3	*Elective.....	10
*Elective.....	8		
Total.....	16	Total.....	16

NOTE.—Students entering the University with two years' advanced credit will not be required to take Zoology and Physics.

Students majoring in a foreign language may substitute language for one science with the permission of the Dean of the School.

Agricultural Education

Students in the College of Agriculture may secure state certificates by taking fifteen credits in Education under the direction of the Professor of Agricultural Education. For Smith-Hughes work the following courses in Education are required:

	Credits
Methods of Teaching High-School Agriculture.....	5
Observation and Practice Teaching.....	3- 5
Vocational Education.....	2
School Law and Manual.....	3
Visual Presentation.....	2

*Major subjects are included in these electives. Mathematics or one semester of science in addition to Psychology, Zoology, and Physics is required. This may be taken in any year.

†School Law and Manual may be taken in any year. This course is required for an Idaho certificate.

††Students who expect to take advanced courses in English should elect English 11 and 12.

‡Students who can arrange to take Practice Teaching in the first semester should do so.

Home Economics

Students in the Department of Home Economics may secure state certificates by taking the following courses in Education:

	Credits
Principles of Teaching.....	3
Secondary Education or High-School Methods.....	3
Methods of Teaching Home Economics.....	3
Observation and Practice.....	5
Idaho Law, Manual and Civics.....	3

Physical Education for Men**FRESHMAN YEAR**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
Ed. 9. Methods of Study.....	1	P.E. 52. Introductory Course.....	1½
P.E. 51. Introductory Course.....	1½	P.E. 55. Personal Hygiene.....	2
Zool. 1. General Zoology.....	4	Zool. 2. General Zoology.....	4
*Elective.....	7½	*Elective.....	6½
Total.....	16	Total.....	16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.....	3	Eng. 12. Dev. of Eng. Lit.....	3
P.E. 53. Advanced Work.....	1½	P.E. 54. Advanced Work.....	1½
P.E. 57. Playground Supervision.....	2	P.E. 62. Teacher's Course in Athletic Training.....	2
P.E. 61. Teacher's Course in Athletic Training.....	2	Psych. 2. Educational Psychology.....	3
Psych. 1. General Psychology.....	4	Zool. 10. Social Hygiene.....	2
Zool. 103. Human Anatomy.....	2	Zool. 104. Human Anatomy.....	2
*Elective.....	2½	*Elective.....	3½
Total.....	16	Total.....	16

GENERAL REQUIREMENTS

The curriculum for the junior and senior years has not yet been prepared. An announcement of this part of the curriculum will be made in a later catalog. To complete the entire course, each student must elect one of the following subjects and complete at least two years' work in it; Botany, Chemistry, Economics, English, Geology, History, Mathematics, Foreign Language, Physics, Psychology, Philosophy. The student should begin his main elective course in the freshman year. Also, to complete the requirements for the degree, at least 36 credits must be taken in courses numbered 100 or above.

*To be chosen with due regard to "General Requirements", stated on this page.

Physical Education for Women

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
Ed. 9. Methods of Study.....	1	P.E. 2a. Elementary Gymnastics.....	1
P.E. 1a. Elementary Gymnastics.....	1	P.E. 2b. Personal Hygiene.....	1
P.E. 1b. Personal Hygiene.....	1	P.E. 26. Pageantry & Festivals.....	2
Zool. 1. General Zoology.....	4	Zool. 2. General Zoology.....	4
*Elective.....	6	*Elective.....	5
Total.....	16	Total.....	16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.....	3	Eng. 12. Dev. of Eng. Lit.....	3
P.E. 3. Advanced Gymnastics.....	1	P.E. 4. Advanced Gymnastics.....	1
P.E. 9. Esthetic Dancing.....	1	P.E. 10. Esthetic Dancing.....	1
P.E. 19. Women's Athletics.....	1	P.E. 20. Women's Athletics.....	1
P.E. 21. Playground Supervision.....	2	Psych. 2. Educational Psychology.....	3
P.E. 23. Hist. of Physical Ed.....	1	Zool. 10. Social Hygiene.....	2
Psych. 1. General Psychology.....	4	Zool. 104. Human Anatomy.....	2
Zool. 103. Human Anatomy.....	2	*Elective.....	3
*Elective.....	1		
Total.....	16	Total.....	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Ed. 105. History of Education.....	3	Ed. 106. History of Education.....	3
Eng. 31. Fundamentals of Speech	2	P.E. 12. Advanced Esthetic	
P.E. 11. Advanced Esthetic		Dancing.....	1
Dancing.....	1	P. E. 112. Clog Dancing & Natural	
P. E. 111. Clog Dancing & Natural		Gymnastics.....	1
Gymnastics.....	1	P. E. 126. Management of Women's	
P. E. 125. Management of Women's		Athletics.....	1
Athletics.....	2	P. E. 140. Methods of Gymnastic	
Zool. 106. Physiology.....	3	Teaching.....	2
*Elective.....	4	Zool. 106. Physiology.....	3
		*Elective.....	5
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 141. Sociology.....	3	Econ. 142. Sociology.....	3
Ed. 113. Secondary Education.....	3	Ed. 5. Idaho Law and Manual.....	3
P. E. 113. Teaching of Folk		P.E. 114. Teaching of Folk	
Dancing.....	1	Dancing.....	1
P. E. 123. First Aid.....	1	P.E. 120. Teaching of Individual	
P. E. 143. Practice Teaching in		Gymnastics.....	2
Physical Education.....	3	*Elective.....	7
*Elective.....	5		
Total.....	16	Total.....	16

Commercial Subjects

In cooperation with the School of Business Administration a special curriculum is offered for those who are preparing to teach commercial subjects in high schools. On completion of the work students will receive the degree Bachelor of Science in Education.

*Each student must elect one of the following subjects and complete at least two years' work in it: Botany, Chemistry, Economics, English, Geology, History, Mathematics, Foreign Language, Physics, Psychology, Philosophy. Also, to complete the requirements for the degree, at least 36 credits must be taken in courses numbered 100 or above.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. Composition.....	3	Eng. 2. Composition.....	3
Foreign Language.....	3- 5	Foreign Language.....	3- 5
Science or Mathematics.....	4	Science or Mathematics.....	4
Econ. 21. American Government	3	Econ. 22. American Government	3
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course.....	2	P. E. 2a-2b. Freshman Course.....	2
Bus. 15. Business Ethics.....	1/2	Bus. 16. Business Ethics.....	1/2
Total.....	15 1/2-17 1/2	Total.....	15 1/2-17 1/2

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 11. Principles of Economics	4	Econ. 12. Principles of Economics	4
Bus. E. Typewriting.....	0	Bus. F. Typewriting.....	0
Bus. 65. Gregg Shorthand.....	3	Bus. 66. Gregg Shorthand.....	3
Mil. 3. Sophomore Military.....	2	Mil. 4. Sophomore Military.....	2
or		or	
P.E. 3. Sophomore Course.....	1	P.E. 4. Sophomore Course.....	1
Elective.....	5- 6	Elective.....	5- 6
Total.....	16	Total.....	16

In the sophomore year or later six credits must be secured in Philosophy or in History.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Psych. 1. General Psychology.....	4	Psych. 2. Educational Psych.....	3
Ed. 105. History of Education.....	3	Ed. 106. History of Education.....	3
Bus. 81. Principles of Accounting.....	3	Bus. 82. Principles of Accounting.....	3
Bus. 71. Dictation.....	3	Bus. 72. Dictation.....	3
Elective and Gen. Requirements.....	3	Elective and Gen. Requirements.....	4
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 161. Office Organization.....	3	Bus. 166. Business Law.....	3
Bus. 165. Business Law.....	3	Bus. 192. Methods in Com. Teach. 3	
Ed. 113. Secondary Education.....	3	Ed. 131. Observ. & Prac. Teach. 3	
Elective.....	7	Elective.....	7
Total.....	16	Total.....	16

SCHOOL OF BUSINESS ADMINISTRATION

HARRISON C. DALE, A.M. Dean

ORGANIZATION

The development of instruction in the field of business is a matter of comparatively recent growth at the University of Idaho. Although instruction in political science and economics has been given since 1901, it was not until 1925 that the separate School of Business Administration was created.

There are several types of organization within collegiate schools of business. One type centers all instruction about the adequate training of the manager of a business enterprise, aiming to give him,

thru courses in economic geography, banking, labor problems and so on, contact with the physical background, the financial background, and the personnel background, respectively, of business. Another type aims rather to arrange courses of instruction to fit the needs of those who plan to enter some particular phase of business activity. The University of Idaho, without definitely committing itself to either plan, undertakes to offer a sufficient general background suited to all forms of business, but to couple therewith special courses for those students registered in each of the five majors—finance, accounting, commerce, the extractive industries, and secretarial science.

EQUIPMENT AND FACILITIES

The library facilities of the University comprise about 88,000 volumes in the general library and a large list of periodicals. An effort is made to maintain a reasonably complete collection of the latest and more permanent publications in the field of Business. In addition the periodical files include all the more noteworthy publications in the field of Economics, Business, Political Science, and Sociology.

Students in the Business School have available the usual financial journals, the Harvard Economic Service, the Babson Statistical Service, the Brookmire Economic Service, the monthly reports of each of the twelve federal reserve banks, and all the more important government economic and statistical publications.

The accounting laboratory is equipped with specially constructed accounting tables and with posting and adding machines.

The statistical laboratory is designed for instruction in this field and for statistical research. It is equipped with computing machines.

The equipment in the secretarial field consists of modern filing systems, office appliances, typewriters, etc,

FEES AND EXPENSES

For a statement of fees and expenses, see page 26.

BUSINESS CONTACTS

Altho the University is not situated in a large city, the fact that Moscow is in the heart of an area devoted to the three basic industries of Idaho, farming, mining and lumbering, offers opportunities for advanced students to make contacts with the actual business world. The merchants of Moscow show a fine cooperative spirit in furnishing employment for students as salesmen, clerks, stenographers and typists, bookkeepers, etc. Many students are thus enabled to earn part or all of their expenses. Some of the more advanced students, especially those in accounting, are sent out to audit books, prepare income tax data, and the like.

ADMISSION

For a statement of admission requirements, see page 19.

THE FIVE MAJORS

FINANCE.—The major in Finance (Financial Administration) is intended not merely for students who plan to enter financial institutions and the finance departments of large business, but also for those who contemplate finding employment in small businesses, where some knowledge of finance is required in almost every important position. Since the highest executive positions are seldom open to men who have not at some time in their career obtained a knowledge of finance, students intending to enter departments of business other than finance frequently find it advisable to specialize in this subject while in college. The major is also intended to give a broad survey of the field of business and to train students in methods of investing savings. It may, therefore, be taken with advantage by those who are not contemplating a business career.

ACCOUNTING.—This field, in common with many others requiring specialized training, offers many opportunities for the college man and woman. The course includes three years' instruction beyond the freshman year, with emphasis on cost accounting, corporation accounting, auditing, and public accounting.

COMMERCE.—The major in Commerce is designed for those who contemplate foreign trade or who are preparing for the government examination in foreign service, as well as for those who plan to go into some field of merchandising.

THE EXTRACTIVE INDUSTRIES.—The fact that the University is the only state-supported, degree-granting institution in the state makes it possible to offer a series of business majors in combination with the basic applied sciences, Agriculture, Engineering, Forestry, Mining, and the like. It is true that most students interested in the above fields find it advantageous to pursue an intensive scientific course in the respective college or school offering such work. On the other hand there are always some whose major interest is in business, but who foresee an opportunity to apply their training in some one of the extractive industries. In this last group of majors, the School of Business Administration offers opportunities for such combined study. In registering for the technical courses and in planning his work, however, the student should make it a point to consult the dean of the technical school or college concerned.

SECRETARIAL SCIENCE.—There are many opportunities for young men and women with a thoro secretarial training. The amount of responsibility and detailed work that devolves on the modern executive makes it necessary for him to have trained secretaries to whose hands he can entrust much of the routine. This field also affords teaching opportunities.

DEGREE

The degree, Bachelor of Science in Business, B.S.(Bus.), is conferred on all students completing any one of the five majors in the School of Business Administration.

In addition to the specific requirements of the common freshman and sophomore years and of the junior and senior years of the selected major, every candidate for the degree must present the following.

1. Foreign Language.....6 or 10 credits
or
Laboratory Science.....8 credits
2. Philosophy, European History or Ancient
Civilization6 credits
3. A selection from the professional courses in
business, listed under the major pursued.

The above requirements, 1 and 2, are referred to below as GENERAL REQUIREMENTS.

The term ELECTIVE applies only to courses outside the School of Business Administration.

The term, TECHNICAL COURSES, used in the major in the Extractive Industries, applies to courses in the technical industry in which the student is majoring.

CURRICULA

The requirements of the freshman and sophomore years are identical for all majors except as noted below:

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 15. Business Ethics.....	1½	Bus. 16. Business Ethics.....	1½
Bus. 25. Raw Mat'ls & Mkts. 3		Bus. 26. Business Organ'tion.. 3	
Econ. 21. American Gov't..... 3		Econ. 22. American Gov't..... 3	
Eng. 1. Composition..... 3		Eng. 2. Composition..... 3	
Mil. 1. Freshman Military or		Mil. 1. Freshman Military or	
P.E. 1a-1b. Freshman Course 2		P.E. 2a-2b. Freshman Course 2	
Foreign Language..... 3 - 5		Foreign Language..... 3 - 5	
or		or	
Laboratory Science..... 4		Laboratory Science..... 4	
Elective..... 0 - 3		Elective..... 0 - 3	
Total14½-18½		Total14½-18½	

Note 1.—Students contemplating the major in Finance, Accounting, or the Extractive Industries, may take either a foreign language or a laboratory science. The latter includes Botany 1-2, Chemistry 1-2, Geology 1-2, Physics 1-2, Psychology 1-4, or Zoology 1-2.

Note 2.—Students contemplating the major in Commerce or the Secretarial major must take a foreign language. Students in the Commerce major who begin a new language in the University must take three years, otherwise two.

Note 3.—Students intending to pursue the Secretarial major may substitute Bus. 65-66 or Bus. 71-72, for Bus. 25 and 26.

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law.....	3	Bus. 166. Business Law.....	3
Bus. 167. Gov. Regulation of Bus.	2	Bus. 168. Gov. Regulation of Bus.	2
Bus. 183. Accounting.....	3	Bus. 184. Certified Public Acc't.....	3
Bus. 187. Fed. Income Tax Acc't.....	2	Bus. 188. Fed. Income Tax Acc't.....	2
Eng. 5. Advanced Composition.....	3	Bus. 126. Anal. of Finan. Statm'ts.....	2
Professional Courses.....	3	Bus. 196. Thesis.....	3
Total	16	Total	15

Commerce

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 123. Financial Admin.....	3	Bus. 124. Financial Admin.....	3
Bus. 169. Marketing.....	3	Bus. 170. Marketing.....	3
Bus. 113. Statistics.....	2	Bus. 114. Statistics.....	2
Econ. 105. Money and Banking.....	3	Econ. 106. Money and Banking.....	3
Bus. 141. Princ. of For. Trade.....	3	Bus. 142. Foreign Export Prob.....	3
Geol. 51. Adv. Economic Geog.....	3	Professional Courses.....	2-3
Total	17	Total	16-17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 175. Advertising.....	3	Bus. 130. Retail Store Problems.....	3
Bus. 129. Retail Merchandising.....	2	Bus. 172. Marketing Campaigns.....	3
Bus. 165. Business Law.....	3	Bus. 166. Business Law.....	3
Bus. 167. Gov. Regulation of Bus.	2	Bus. 168. Gov. Regulation of Bus.	2
Eng. 5. Advanced Composition.....	3	Bus. 196. Thesis.....	3
Bus. 151. Business Forecasting.....	3	Professional Courses.....	3
Total	16	Total	17

The Extractive Industries

The Extractive Industries include Agriculture, Forestry, and Mining. Technical courses in these fields must be chosen with the advice and approval of the dean of the college or school in which the student elects the same. No specific requirements are made as to the total number of credits, but it is expected that students will elect at least twenty hours in some one of the Extractive Industries.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 123. Financial Admin.....	3	Bus. 124. Financial Admin.....	3
Bus. 169. Marketing.....	3	Bus. 170. Marketing.....	3
Bus. 113. Statistics.....	2	Bus. 114. Statistics.....	2
Econ. 111. Labor Problems.....	3	Bus. 134. Production Admin.....	2
Technical Courses.....	6	Technical Courses.....	7
Total	17	Total	17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law.....	3	Bus. 166. Business Law.....	3
Bus. 167. Gov. Regulation of Bus.	2	Bus. 168. Gov. Regulation of Bus.	2
Bus. 151. Business Forecasting.....	3	Bus. 222. Extr. Indust. and Bus.	
Eng. 5. Advanced Composition.....	3	Cycle	3
Technical Courses.....	4	Bus. 196. Thesis.....	3
Professional Courses.....	3	Technical Courses.....	4
Total	18	Professional Courses.....	3
		Total	18

Secretarial Science

Students in the secretarial major should (if possible) elect stenography in the freshman year.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 123. Financial Admin.....	3	Bus. 124. Financial Admin.....	3
Bus. 113. Statistics.....	2	Bus. 114. Statistics.....	2
Bus. 169. Marketing.....	3	Bus. 170. Marketing.....	3
Econ. 111. Labor Problems.....	3	Bus. 152. Personnel Adminis'tion	3
Econ. 29. Parliamentary Law.....	1	Psych. 1. Prin. of Psychology.....	4
Professional Courses.....	3- 5	Elective	0- 2
Total	15-17	Total	15-17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law.....	3	Bus. 166. Business Law.....	3
Bus. 161. Office Management.....	3	Bus. 192. Meth. of Com. Teach.....	3
Bus. 175. Advertising.....	3	Bus. 176. Advertising Problems.....	3
Eng. 51. News Writing.....	2	Bus. 196. Thesis.....	3
Eng. 5. Advanced Composition.....	3	Elective	3- 5
Elective	2	Total	15-17
Total	16		

THE GRADUATE SCHOOL

J. E. WODSEDALEK, Ph.D. Dean

OBJECT

The aim of the Graduate School at the University of Idaho is to encourage and promote research and advanced work. While the graduate student is expected to assume the initiative and the responsibility, the purpose of this school is to provide him with the method of independent study and discipline of original research, to the ultimate end that he may contribute to the advancement of knowledge. Unhampered by restrictions that necessarily obtain in undergraduate work, he will come into freedom of association with older scholars, who will seek to make his work profitable to him by giving such aid and direction as he may need.

ORGANIZATION

The scope of the Graduate School covers graduate study throughout the University. More than thirty departments offer majors toward the master's degree. Many of the departments offer several majors and thus the opportunities for specializing are extensive.

FACILITIES

All of the departments of the University are amply equipped for instruction in graduate courses and for carrying on research. The science departments are especially well equipped with apparatus and material to carry on original investigations of the highest order.

Members of the staff frequently publish results of their research which are equivalent to doctorate dissertations. The equipment employed in these researches is at the disposal of graduate students properly qualified in their chosen fields.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

For the promotion of graduate study and research the University of Idaho awards a number of fellowships with annual stipends of \$500, and teaching fellowships with stipends of \$750; also a number of scholarships with annual stipends of \$350.

The holders of these fellowships and scholarships pay no fees but are required to give limited assistance in the work of the department of their principal study—not, however, to such an extent as to interfere with their graduate work. The fellowships and scholarships are open to graduates of any university or college of recognized standing. Holders of teaching fellowships will not under normal circumstances find it possible to complete the requirements for the master's degree in less than two years.

ADVANCED DEGREES

The following advanced degrees are offered: Master of Arts, M.A.; Master of Science, M.S.; Master of Science in Forestry, M.S.(For.); Master of Science in Agriculture, M.S.(Agr.); Master of Science in the respective branches of Engineering, e. g., M.S.(C.E.), etc.; Master of Science in Metallurgy, M.S.(Met.); Master of Science in Geology, M.S.(Geol.); Master of Science in Education, M.S.(Ed.); Master of Science in Home Economics, M.S.(H.Ec.); Master of Science in Business, M.S.(Bus.); and Master of Science in Architecture, M.S.(Arch.).

REGULATIONS

1. CONDITIONS OF CANDIDACY.—A graduate of one of the colleges of this University, or of another institution in which the requirements for the first degree are equivalent, may become a candidate for the master's degree by making application on a blank form provided for the purpose. The normal preparation in the major proposed shall be at least equivalent to an undergraduate major in that subject as defined on page 51.

2. NATURE AND AMOUNT OF WORK.—The minimum requirement shall be twenty-four credits. Not less than twelve credits shall be in the major department, and one or two minors shall be taken in related subjects. It is assumed that under normal circumstances approximately one-half of this work will be of a research character. Work of an advanced undergraduate character not exceeding eight credits may be accepted in partial fulfillment of the requirements for the master's degree.

3. RESIDENCE.—One year's resident work is required of every candidate who has not received a first degree at this University.

Graduates of the University of Idaho may be permitted in special cases to spend one semester at some other approved institution. Upon the recommendation of the department in which the candidate takes his major, attendance upon a six-weeks summer session of the University of Idaho may be counted as a half-semester's residence. Three summer sessions, of nine weeks each, fulfill the residence requirement. No full-time instructor, research or demonstration worker in the University shall be granted a master's degree for less than two years of graduate work.

4. NON-RESIDENT STUDY.—Graduate work in non-resident study shall in no case precede residence at the University. After residence, graduate non-resident work may be taken in departments in which the student has been enrolled, but under no circumstances may more than six such credits be counted toward the master's degree.

5. PARTIAL ENROLMENT.—A senior who desires to do graduate work during his last semester in the University is required to make application to the dean of the Graduate School in advance, and may be counted as a graduate student in partial enrolment, if he has already satisfied the undergraduate residence requirement, and provided he is registered for not more than six credits to complete his requirements for the baccalaureate degree.

6. APPLICATION AND FEE.—Formal application for the master's degree must be filed at the beginning of the last semester or summer session in which the student is in residence. This application must state the title of the thesis. No application for a degree at a given commencement will be accepted after March 15. The filing of the application must be preceded by payment of the \$5 diploma fee.

7. THESIS.—A thesis embodying the result of the student's research in his major subject must be submitted to the graduate council not later than May 15 of the year in which the degree is to be conferred. This thesis must be defended by the candidate before an examining committee composed of the major professor, one minor professor, and a third member selected by the dean of the Graduate School. Any member of the University faculty shall have the privilege of attending this examination and of questioning the candidate. A majority vote of the examining committee shall be necessary for the acceptance of the thesis. Within twenty-four hours after the acceptance by the committee, two typewritten copies of the thesis in specified form shall be deposited in the University library; until these conditions shall have been complied with, the candidate will not be recommended for graduation.

8. GRADES.—(a) In order to receive credit toward an advanced degree a student (i) may count no courses with grade below B in his major subject, (ii) may count no courses with grade below C in any

subject; and (iii) must have a grade of B or better in at least one-half of the credits required in his minor subjects.

(b) A graduate student must receive an average of 4.500 in the work of any semester or summer session of graduate study in order to be eligible for registration the following semester or summer session.

9. REGISTRATION.—A graduate student must have completed his matriculation and registration within three weeks after the beginning of any semester or summer session in order to count that session toward the residence requirement for his degree.

THE SOUTHERN BRANCH

MARTIN FULLER ANGELL, PH.D.....*Acting Executive Dean and
Director of the Division of Letters and Science*
ACHILLES C. GOUGH, E.E.....*Director of the Division of Engineering*
EUGENE O. LEONARD, PH.C.....*Director of the Division of Pharmacy*
R. H. WALTERS, B.S.(E.E.).....
Director of the Division of Completion Courses

The Southern Branch of the University of Idaho is historically a development from the former Academy of Idaho, which was established at Pocatello by the state in 1901, and became the Idaho Technical Institute thru action of the Legislature of 1915. The Legislature of 1927 took further action which confirmed the status of the institution as a junior college, offering the first two college years of instruction "as nearly as practicable equivalent to the first two years as prescribed for the University of Idaho" and changing the name to the "Southern Branch of the University of Idaho." Provision was also made that the course in pharmacy should be such as to meet the requirements recommended by the American Association of Colleges of Pharmacy.

ORGANIZATION

The Southern Branch of the University of Idaho is an integral part of the University of Idaho, except that it has a separate financial status and separate budget. It is administered as one of the academic divisions of the University, with the purpose of providing instruction in the first two or junior college years of practically all four-year curricula offered by the University. A standard three-year college course in Pharmacy is offered at the Southern Branch, leading to the degree, Graduate Pharmacist, which is conferred by the University of Idaho. A trade-course in auto-mechanics, below college grade, is the only sub-freshman work now regularly provided at the Southern Branch.

For convenience in administration, the courses and students of the Southern Branch of the University of Idaho are grouped under four divisions, each in immediate charge of a director. These divisions are:

1. DIVISION OF LETTERS AND SCIENCE—Two-year curricula in Arts, Science, Home Economics, Pre-Medical Studies, Music, Agriculture, Forestry, Education, Business Administration.
2. DIVISION OF ENGINEERING—Two-year curricula in Civil, Electrical, Mechanical, Chemical, and Mining Engineering.
3. DIVISION OF PHARMACY—Three-year curriculum leading to the degree, Graduate Pharmacist (Ph.G.).
4. DIVISION OF COMPLETION COURSES—Two-year curricula in Electricity, Secretarial Work, Accounting, and Merchandising. One-year trade course in Auto-mechanics.

These divisions do not correspond to the several schools and colleges of the University of Idaho, but the curricula offered are so nearly identical with University curricula that a regular graduate of the Southern Branch is eligible to full junior standing in his particular curriculum at the University. Students of the Southern Branch will avoid confusion if they consider their work in terms of the curriculum in which they are registered.

GRADUATION AND ADMISSION TO SENIOR COLLEGES

Graduation from the Southern Branch of the University of Idaho will be based upon the satisfactory completion of one of the curricula outlined in the Southern Branch catalog. Graduates from the two-year curricula in the divisions of Letters and Science and Engineering will receive the diploma of graduation which will admit them to full junior standing in the University of Idaho in the curriculum they have previously carried. Graduates from the three-year course in Pharmacy will receive the degree, Graduate Pharmacist (Ph.G.), and may receive the bachelor's degree from the University upon the completion of one more year of study. Graduates of the two-year curricula in Arts or Science are eligible to admission to the College of Law of the University of Idaho provided that three-fourths of their credits have been above the grade of D, and their average grade is at least C.

Students who may choose to transfer to another curriculum upon entering the junior year of the University may be required to make up the required subjects of the curriculum to which they transfer.

It is assumed that graduates from any one of the completion courses do not intend to pursue further college studies leading to a degree. They receive the regular diploma of graduation, but if they decide to continue in the work of the University they are not eligible

to full junior standing. Credits earned in strictly vocational studies ("V" courses) do not count toward academic standing, or are considerably reduced in value when so applied.

The University at the end of the fourth year (the fifth year in the case of the College of Law) grants one of the degrees listed on page 25.

DIVISION OF LETTERS AND SCIENCE

The Letters and Science division of the Southern Branch of the University of Idaho includes the first two years of many curricula. It includes not only those of the College of Letters and Science, but also those of the College of Agriculture, School of Forestry, Education, and Business.

In this division the first two years are offered in curricula leading to the degrees of Bachelor of Arts, B.A.; Bachelor of Science, B.S.; Bachelor of Science in Home Economics, B.S. (H.Ec.); Bachelor of Science in Pre-Medical Studies, B.S. (Pre-Med.); Bachelor of Music, B.M.; Bachelor of School Music, B.S.M.; Bachelor of Science in Pre-Nursing Studies, B.S. (Pre-Nurs.); Bachelor of Science in Agriculture, B.S. (Agr.); Bachelor of Science in Forestry, B.S. (For.); Bachelor of Science in Education, B.S. (Ed.); Bachelor of Science in Business, B.S. (Bus.)

The curricula are as nearly as possible the same as those listed for the respective degrees in the appropriate sections of this catalog; hence they are not repeated here. Students registering at the Southern Branch should consult the Southern Branch catalog.

DIVISION OF ENGINEERING

The Division of Engineering provides the freshman and sophomore years of work of the College of Engineering and the School of Mines of the University. Completion of this work qualifies for junior standing in one of the curricula outlined on pages 74 to 76, and 89 and 90. Students registering at the Southern Branch should consult the Southern Branch catalog.

DIVISION OF PHARMACY

The Division of Pharmacy offers a standard three-year curriculum leading to the degree, Graduate Pharmacist (Ph.G.). This curriculum complies with the recommendations of the American Association of Colleges of Pharmacy.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. Composition.....	3	Eng. 2. Composition.....	3
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
Phar. 1. Theory of Pharmacy.....	3	Phar. 2. Practical Pharmacy.....	3
Phar. 3. Pharmaceutical Latin.....	2	Phar. 4. Pharmaceutical Math.....	3
Bot. 1. General Botany.....	4	Zool. 6. Physiology.....	3
P.E. 51. Physical Education.....	2	P.E. 52. Physical Education.....	2
Total.....	18	Total.....	18

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phar. 5. Operative Pharmacy.....	4	Phar. 6. Operative Pharmacy.....	4
Chem. 5. Organic Chemistry.....	4	Chem. 4. Quantitative Analysis.....	4
Phar. 9. Pharmacognosy.....	4	Chem. 6. Organic Chemistry.....	4
Chem. 3. Qualitative Analysis.....	4	Phar. 10. Pharmacognosy.....	4
P.E. 53. Physical Education.....	1	P.E. 54. Physical Education.....	1
Total.....	17	Total.....	17

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phar. 101. Materia Medica and Pharmacology.....	3	Phar. 102. Materia Medica and Pharmacology.....	3
Bact. 101. General Bacteriology.....	4	Phar. 104. Toxicology and Posology.....	2
Phar. 103. Advanced Pharmacy.....	4	Phar. 106. Advanced Pharmacy.....	4
Phar. 105. Commercial Pharmacy.....	3	Phar. 108. Incompatibilities.....	2
Phar. 107. Prescriptions.....	3	Phar. 110. Drug Assaying.....	2
		Phar. 112. Immunology and Public Health.....	4
Total.....	17	Total.....	17

DIVISION OF COMPLETION COURSES

The great number of high-school graduates who cannot, for one reason or another, complete a college course, find in the Division of Completion of Courses an opportunity to obtain two years of training immediately practical in their chosen vocations. This work is intended to be complete in itself and is not offered as leading to a college degree. Courses not marked with a "V" will, however, be credited toward a degree, should the student wish to go on for such work. Two-year curricula are offered in Electricity, Secretarial Work, Accounting, and Merchandising. There is a one-year curriculum in Auto-Mechanics. For outlines and descriptions of these courses, see the Southern Branch catalog.

PART III

THE EXPERIMENT STATION

UNIVERSITY EXTENSION

THE SUMMER SCHOOL

THE FOREST EXPERIMENT STATION

PART III

THE EXPERIMENT STATION

UNIVERSITY EXTENSION

THE SUMMER SCHOOL

THE FOREST EXPERIMENT STATION

THE AGRICULTURAL EXPERIMENT STATION

E. J. IDDINGS, M.S.	<i>Director</i>
GRACE B. RAEDER	<i>Secretary of the Staff</i>
C. W. HUNGERFORD, PH.D.	<i>Vice Director and Chairman of the Project Committee</i>
G. R. MCDOLE, M.A.	<i>Chairman of the Publication Committee</i>

In compliance with an enabling act of Congress approved March 2, 1887, the Idaho Agricultural Experiment Station became an integral part of the State University at the time of its organization. That act, commonly known as the Hatch Act, defines the scope and activities of state experiment stations as follows:

"That it shall be the object and duty of said Experiment Stations to conduct original researches, or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantage of rotative cropping as pursued in a varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of different kinds of foods for domestic animals; the scientific and economic questions in the production of butter and cheese; and such researches or experiments bearing directly on the agricultural industry in the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective States and Territories."

The Adams Act, approved March 16, 1906, doubled the original federal funds available for experimentation and research. The Hatch Act made possible the beginning of scientific investigation of problems peculiar to Idaho's agriculture; the Adams Act expressly sanctions and encourages original research along agricultural lines. The Purnell Act, approved Feb. 24, 1925, provides, in the language of the law, "the more complete endowment and maintenance of the agricultural experiment stations." In attempting to interpret the will of the Congress in providing this additional support for research of interest and value to farmers, special attention is given to the study of problems in the field of agricultural economics, home economics and rural sociology. The Purnell Act provides \$40,000 from the federal treasury for the third fiscal year, July 1, 1927, to June 30, 1928. These federal funds are supplemented by state appropriations for the investigation of special problems and for the maintenance of sub-station farms where some of the work can be most advantageously carried on. During the last biennium funds were available for the work of the Experiment Station, derived as follows: Federal ap-

appropriation, \$95,000; State appropriation, \$77,000; together with the income from the several stations, amounting to approximately \$20,000.

ORGANIZATION AND WORK

The organization of the Agricultural Experiment Station is practically the same as that which prevails in the College of Agriculture. Under the general supervision of a director, the work of investigation is carried on by departments, of which there are now fourteen, viz: agricultural economics, agricultural engineering, agronomy, animal husbandry, bacteriology, agricultural chemistry, dairy husbandry, entomology, forestry, home economics, horticulture, plant pathology, poultry husbandry, and pure seed. Each department has a broad conception of its duties and influences and is pushing actively the work it has inaugurated for the ultimate benefit of the agricultural industry it represents. Some of the most important lines of investigation in progress are: feeding experiments with sheep, hogs, and beef and dairy cattle; study of feeds; a study of the bacterial flora of the cut-over and burned-over lands; experiments for the control of insect pests; investigation of the chemical properties and productive possibilities of the timber soils, and of alkali soils; variety tests of wheat, oats, barley, peas, and potatoes; a test of soiling crops; experiments in the duty of water; an investigation of alkali soils; factors affecting the elaboration of protein in the wheat kernel; utilization of by-products in fruit and vegetable growing; cabbage culture; spraying and pruning experiments; variety tests in vegetable growing; relation of soil moisture to smut control; and feeds for egg production. More than one hundred separate projects represent the activity of the Experiment Station staff at this time.

The general administration of the pure seed law is entrusted to the director of the Experiment Station. The actual administration of the act, however, is delegated to a pure seed commissioner who has established a laboratory in the Noble Building at Boise, with a branch laboratory on the University campus at Moscow.

LABORATORIES AND OTHER FACILITIES

The departments of bacteriology, agricultural chemistry, horticulture, plant pathology, soil technology, dairy husbandry, and dairy manufacture have well equipped research laboratories in Science Hall, Morrill Hall, and the Dairy Building. An entomological field laboratory is maintained at Parma. At the foot of the campus greenhouse facilities are provided for such lines of investigation as require them. The college farm of 612 acres supports splendid herds of beef and dairy cattle, hogs, and sheep, from which individual animals are selected for experimental feeding purposes. This farm also provides experimental fields of ample dimensions for the use of the departments of agronomy, chemistry, horticulture, and plant pathology, and breeding-pens for the department of poultry husbandry.

Farming conditions within the state are so varied that it is necessary to conduct many lines of investigation away from the central station. The sub-station farms are admirably located for this purpose. On the Sandpoint farm experiments designed to point the way to the profitable utilization of the cut-over and burned-over lands are in progress. The farm at Aberdeen is used for experiments in crop production under irrigation. The Caldwell sub-station supports a dairy herd and other livestock and is used for investigations in animal feeding and diversified farming. A feeding plant erected there in 1919 provides for 144 head of cattle and from 700 to 1000 head of sheep. The High Altitude Sub-Station at Felt is established for the conduct of experiments in the growing of grains and grasses, and tests of cultural practices which give promise of adaptability to elevations of more than 6000 feet. Additional points of contact with agricultural problems are maintained by means of eight summer field stations. The splendid public spirit of citizens in the several localities has made possible the work now in progress on these farms. In the work at Aberdeen the United States Department of Agriculture, thru its Bureau of Plant Industry, is cooperating.

PUBLICATIONS

The practical results of investigations are freely used in the class rooms of the Agricultural College, and as rapidly as possible are printed in the form of bulletins for general distribution to the farmers of the state and to others who may ask for them. Up to the present time a total of one hundred and sixty-two bulletins, fifty circulars, and fifty-five technical papers have been published. A list of those still available may be had upon request. The publications of the Experiment Station are free. The station staff invites correspondence with farmers of the state upon subjects in which they are interested. General inquiries should be directed to the Experiment Station, special inquiries to such heads of departments as from their official designation are most likely to be able to give the information sought.

UNIVERSITY EXTENSION

NON-RESIDENT INSTRUCTION

The University of Idaho offers two kinds of non-resident instruction. First, for individual students, representative courses in most departments are given by correspondence. Secondly, where a number of persons desire the same subject, the University organizes a study group, which a member of the faculty actively directs and, when it seems practicable, visits from time to time.

The courses offered non-resident students, with a few exceptions, carry full University credit and are identical with the resident courses of the same number. Students taking these courses must have the

necessary prerequisites. A few non-credit courses are offered for which no prerequisites are necessary and which are open to the general public. Only those persons who cannot take the work in residence will be admitted to these courses.

CORRESPONDENCE STUDY.—In courses offered by correspondence, the University furnishes study outlines and syllabi with a list of the books and other material required. Students purchase their own books. The number of assignments in each course varies. In some cases the lessons represent a week's work; in other cases, only a portion of a week's study. The assignments call for very definite work on the student's part, consisting of written reports or analysis, the solution of problems, or the investigation of special topics, as the nature of the course may demand.

Some of the reference books for the non-resident courses may be secured from the Loan Shelf of The Traveling Library at Boise, Idaho. Communications should be addressed to The Secretary of the Traveling Library, Statehouse, Boise, Idaho. Occasionally volumes may be lent from the University library if they are not needed by resident students.

EXAMINATIONS.—To receive credit the student must take a written examination on the completion of each course. Other examinations may be required from time to time at the instructor's discretion. In supervising these examinations the University is glad to acknowledge the friendly cooperation of alumni, school officials, and other friends.

FEES.—The uniform fee for correspondence courses is \$10 for each course representing a semester's work. In addition to this a small charge, usually one dollar, is made for postage. This covers in part the carriage charges on the lesson assignments and corrected reports from the University to the student.

STUDY GROUPS.—Members of the University faculty are glad to organize study groups where several persons wish to pursue the same subject. No absolute minimum is set, but organization of groups of fewer than five individuals is not recommended. Members of these study groups may, on fulfilling the necessary requirements and prerequisites, obtain University credit for their work. The fees for study groups vary in each case, depending on the size of the group and the subject studied. Where the group is large enough and the distance not altogether prohibitive, the member of the faculty in charge of the course will meet the group in person at regular intervals.

All communications regarding non-resident instruction should be sent to the Director of Non-resident Instruction, University of Idaho, Moscow, Idaho.

AGRICULTURAL AND HOME ECONOMICS EXTENSION

For many years the College of Agriculture of the University has rendered service to the farmers of the state thru farmers' institutes, judging at fairs, answering of letters of inquiry upon topics of interest to the farmer, and thru special meetings held in widely separated portions of the state.

Extension work, as it is known today, is an outgrowth of the Smith-Lever Act of Congress, approved May 8, 1914. With the aid of federal funds supplied by the terms of this act and special appropriations of the state, the Extension Division has accomplished, within the last few years, most remarkable results.

General administration of extension work in Idaho is in charge of the director of extension. The offices of the director and the state leaders of county agent, home demonstration, and boys' and girls' club work are at Moscow and offices of the field specialists are at Boise. The county extension agents number twenty-five. General supervision of the county agents is entrusted to a county agent leader. Home demonstration agents are supervised by a state leader. The state leader of boys' and girls' clubs directs the club work of the state, which has been very popular in the farming sections. Field specialists carry on carefully outlined projects of work, largely thru the county agents, in horticulture, entomology, animal husbandry, dairying, agronomy, improvement of soils, poultry husbandry, and pure seed production.

Members of the extension staff are the field representatives of the University of Idaho. They are constantly working in the rural communities, assisting in every possible way in agricultural development and home improvement. Thru the agricultural extension service the work of the College of Agriculture of the University of Idaho has become state-wide, and this service is rendered by the institution not only to those near at hand, but also to those sections of the state farthest removed from the campus.

THE SUMMER SCHOOL

Nine-Weeks Term, May 28 to July 27, 1928

Six-Weeks Term, June 11 to July 20, 1928

J. F. MESSENGER, PH.D. *Director*

ADMISSION.—The courses of the Summer School are open on the same terms as those of the regular session, as described beginning on page 19. As far as possible, all credentials for prospective students should be mailed in advance to the Committee on Admissions, University of Idaho, Moscow. Entrance examinations are not required.

CREDITS.—Practically all courses offered are for University credit. Students desiring University credit will be required to pass the

examinations given during the closing week of the session. A maximum of ten semester-credits may be earned during the session.

FOR WHOM INTENDED.—In addition to regular undergraduate work of the School of Education, College of Letters and Science, and to a limited extent of the colleges of Agriculture and Engineering, exceptional opportunities are afforded for the following classes of persons.

1. College graduates who wish to specialize in some field or to work for advanced degrees.
2. Superintendents and principals who wish to acquaint themselves with recent progress in education or to study special problems.
3. High-school teachers who wish to advance in their special lines of work.
4. School teachers who wish to work for college credit.
5. Undergraduates who find it desirable to shorten the period of their college course.
6. Recent high-school graduates who expect to enter the University in the fall and who wish to get in touch with the University before that time.

FACILITIES.—The full resources of the University are offered for the Summer School in all departments in which courses are given. The University laboratories and libraries are open and offer especial facilities for advanced work. The faculty is made up in large measure of heads of departments.

BULLETIN.—For the special bulletin of the Summer School address J. F. Messenger, Director of the Summer School.

THE FOREST EXPERIMENT STATION

F. G. MILLER, M.F. *Director*

To meet more fully the ever increasing demands for forest research made on the School of Forestry since its organization in 1909, the Board of Education has created the Idaho Forest Experiment Station. It becomes a distinct division of the University to serve forestry in the same way that the Agricultural Experiment Station serves agriculture.

OBJECT AND ORGANIZATION

More specifically the object of the Forest Experiment Station is to carry on fundamental investigations in forestry, in order to secure the best use of forest lands, and the most efficient utilization of the forest crop, also to afford training to forest school students in the principles and practice of forest research.

The major activities of the Forest Experiment Station are organized in two separate units—the forest research laboratory and the experimental forest.

THE FOREST RESEARCH LABORATORY

The work undertaken in the forest research laboratory includes problems selected primarily with a view to increasing profits in the lumber industry thru the utilization of wood waste. The projects include investigations in the properties and uses of wood, by-products to be derived from wood waste, forest pathology, and wood preservation. This laboratory also encourages the development of research projects in lumber production and utilization to be carried out in cooperation with private, federal, and state agencies, and a number of such projects are constantly under way. The scope of activity covers the teaching of forest research methods, the working out of laboratory theses on forestry subjects by students, and an informational service for the lumber and related industries of the state.

EXPERIMENTAL FOREST

The purposes of the experimental forest are to demonstrate methods of establishing and growing forest crops, to determine systems of forest management and regulation calculated to keep forest lands continuously productive, and to serve as a field laboratory for the training of students. It is sought to accomplish these purposes through the institution of experiments and studies in silviculture, forest mensuration, forest management, protection, range management, and such other investigations as will contribute to knowledge of forest tree growth and assist in the solution of forest problems. A considerable number of experiments are already started in the forest nursery and arboretum, and in the way of permanent sample plots in different parts of the white pine belt.

The experimental forest of 640 acres in Moscow Mountains, which has served as a field laboratory for several years, will be increased by the selection of one or more additional forest tracts within easy access of the University. It is expected that the experimental forest will eventually comprise several thousand acres, so located as to typify as large a number of forest conditions as possible, where the field experimental work and outdoor instruction will be carried on. The arboretum and forest nursery are also in constant use for experimental purposes.

CURRENT PROJECTS

The Forest Experiment Station has more than thirty projects in progress at the present time. Some of the more important of these are: Studies of Inland Empire Ribes in relation to blister rust control; germination studies of Ribes seeds; identification of one year seedlings of Inland Empire conifers; forest management as a method of blister rust control; studies to determine the cull per cent due to rot in standing timber for a given species; deterioration of logs, scattered or in piles, and methods of prevention; a study of the efficiency of chemical end coatings on logs left in the woods or stored;

outward signs of decay in standing timber and in logs; the cause and prevention of sap stain in lumber; studies on the decay resistance (durability) of native woods; studies on the toxicity of the water soluble extractives and on the effect of kiln drying on the durability of *Pinus ponderosa* heartwood and sapwood; studies of the rots found in wood products, such as sash, doors, screen frames, etc.; studies to determine the optimum and minimum moisture content for the growth of wood-inhabiting fungi; study of the cause and control of kiln brown stain in lumber; study of the effectiveness of certain Bayer Company compounds as sap stain preventives; utilization of little used species; utilization of blued match stock; factors influencing the movement of moisture in wood; inflammability and heat retention of various forest fuels at different moisture contents; study of the cause and control of water core in western white pine; relation of moisture content of wood to the development of blue stain; the diagnostic characteristics of the woods of the species of the genus *Abies*; studies in the rate of growth and future yields of western white pine which has come in on old burns in northern Idaho; sample plot studies; the effect of logging on the growth and form of residual species in the western white pine type of Idaho; the effect of logging on the growth and form of residual western red cedar in northern Idaho; a study of the bucking operation in western white pine timber; basic studies for empirical yield tables and for determining the marginal diameter limit for cutting; studies in rate of growth and yield of residual western yellow pine; a study to determine the influence of windbreaks on the growth and yield of farm and orchard crops; tree planting experiments on alkali soils; and tree planting experiments in high altitudes.

DEPARTMENTS OF INSTRUCTION

Note—Courses with odd numbers are given in the first semester; those with even numbers in the second. Courses numbered 1-100 are given during the first semester; those numbered 101-200 during the second. A course which has only one section number is given during the first semester. It will be observed that courses numbered for instruction in the first semester are given during the first semester, and those numbered for instruction in the second semester are given during the second semester. Courses numbered with odd numbers are given during the first semester; those with even numbers are given during the second semester. When two courses are given during the same semester, they are given during the same semester.

AGRICULTURAL CHEMISTRY

Professor F. H. Snyder, Assistant Professor Snyder

Courses 1, 2, and 10 in General Chemistry are prerequisites. Students desiring to specialize in professional agriculture are urged to take the more complete courses—1, 2, 3, 4, and 101-102—in General Chemistry. Course 100 should be taken during the second semester of the junior year while Course 102 is open to seniors.

PART IV

DEPARTMENTS OF INSTRUCTION

1. General Agricultural Chemistry. 2 credits. Second semester. Lectures on chemistry as applied to agriculture, including the chemistry of the soil, the atmosphere, and the plants and animals. Also, the chemistry of food, and the chemistry of the various products of agriculture. (Given also at the Southern Branch.)

2. Advanced Agricultural Chemistry. 2 credits. Second semester. This laboratory course closely supplements Course 1. A knowledge of the composition of grains, feeding stuffs, fertilizers and manures, milk and its products is secured through analysis of these materials and the synthesis of various products. Experiments are made with various fuels and oils by analysis. Two laboratory periods for three hours each. (Given also at the Southern Branch.)

100. Chemistry of Dairy Products. 2 credits. Second semester. A laboratory course in the analysis of milk, butter, cheese and other dairy products, designed to meet the needs of advanced students in dairying. Two three-hour laboratory periods a week. Prerequisites: Agr. Chem. 2, 3a. (Given also at the Southern Branch.)

101-102. Same as 100.

DEPARTMENTS OF INSTRUCTION

NOTE.—Courses with odd numbers are given in the first semester; those with even numbers, in the second semester; courses numbered 1-2, 3-4, etc., continue thru the year. A course which may cover the same subject matter in either semester has an odd number.

It will be observed that courses primarily for undergraduates are numbered between 1 and 99; courses for advanced undergraduates and graduates, between 100 and 199; and courses primarily for graduates, 200 and above.

Courses marked with an *n* are those in which credit will not be given for the first semester's work until that of the second semester shall have been completed.

AGRICULTURAL CHEMISTRY

Professor ‡NEIDIG, Assistant Professor SNYDER

Courses 1, 2, and 13 in General Chemistry are prerequisite. Students desiring to specialize in professional agriculture are urged to take the more complete courses—1, 2, 3, 4, and 101-102—in General Chemistry. Course 106 should be taken during the second semester of the junior year, while Course 112 is open to seniors.

Primarily for Undergraduates

2 GENERAL AGRICULTURAL CHEMISTRY 2 credits Second semester

Lectures on chemistry as applied to agriculture, including the following topics: the chemical principles that underlie the growth and nutrition of farm crops; their composition and utilization in animal nutrition; soils, fertilizers, and manures; milk and dairy products; insecticides and fungicides; paints and motor fuels and oils. (NEIDIG. Given also at the Southern Branch)

2a APPLIED AGRICULTURAL ANALYSIS 2 credits Second semester

This laboratory course closely supplements Course 2. A knowledge of the composition of grains, feeding stuffs, soils, fertilizers and manures, milk and its products is secured thru analysis; of insecticides and fungicides by their synthesis and analysis; of motor fuels and oils by analysis. Experiments are made with proteins, fats, and carbohydrates, using enzymes to demonstrate the cleavage products formed during digestion. Two laboratory periods for three hours each. (NEIDIG, SNYDER. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

106 CHEMISTRY OF DAIRY PRODUCTS 2 credits Second semester

A laboratory course in the analysis of milk, butter, cheese, and other dairy products, designed to meet the needs of advanced students in dairying. Two three-hour laboratory periods a week. Prerequisites: Agr. Chem. 2, 2a. (NEIDIG, SNYDER)

‡On leave, 1927-28.

112 SOIL CHEMISTRY 2 1-3 credits Second semester

This is an advanced course in soils, taking up the chemical nature of different soil types and discussing the relation of the elements to crop production. Analyses will be made of various types of soil by use of standard methods, to determine the available and total soil constituents. A discussion of the methods used in soil analysis will be taken up, together with recommendations for the improvement of each soil type by interpreting the data secured by the student. One lecture and two laboratory periods a week. (SNYDER)

Primarily for Graduates

201-203-205 RESEARCH Credits to be arranged

Soil chemistry, dairy chemistry, and nutrition. Students who have sufficient preparation in any of the above subjects and desire to carry on research, will be assigned special problems. (NEIDIG)

AGRICULTURAL EDUCATION

Associate Professor LATTIG, Mr. BRIGHAM

For Advanced Undergraduates and Graduates

150 EXTENSION METHODS IN TEACHING AGRICULTURE

2 credits Second semester

A brief study of the methods of agricultural extension in use by county agents, agricultural college extension staffs, and high-school agriculturalists. The course is designed to bring together, for the benefit of prospective workers in these fields, the accumulated knowledge and experience of the College Faculty and Extension Staff, various members of which will be utilized for purposes of instruction as they may be available. This course should be of value to all students who expect to enter any field of public work in agriculture. Elective for all seniors. (IDDINGS AND OTHERS)

151 VOCATIONAL EDUCATION 2 credits First semester

The meaning of vocational education; relation of vocational education to general education; history of vocational education; legislation leading up to the Smith-Hughes Act; the Smith-Hughes Act, its provisions and applications; administrative problems. Required in Agricultural Education Curriculum. (LATTIG)

152 BEGINNING METHODS OF TEACHING VOCATIONAL AGRICULTURE

2 credits Second semester

For juniors. General methods of high-school teaching applicable to agriculture; special methods of organizing and presenting agricultural subject matter; texts, reference books, and equipment needed for the various courses; organizing and conducting projects; community activities of the teacher of agricul-

ture; reports. Required in Agricultural Education Curriculum. Prerequisite: Agr. Ed. 151. (LATTIG)

153 ADVANCED METHODS OF TEACHING VOCATIONAL AGRICULTURE

3 credits

First semester

For seniors. Continuation of Agr. Ed. 152. Required in Agricultural Education Curriculum. Prerequisite: Agr. Ed. 152. (LATTIG)

154 VISUAL PRESENTATION

2 credits

Second semester

Methods of presenting facts to the eye by means of graphs, maps, charts, pictures, slides, and the motion picture. Making of maps, charts, and lantern slides; care and operation of stereopticons and motion picture projectors. Required in Agricultural Education Curriculum. (LATTIG)

155-156 OBSERVATION AND PRACTICE IN TEACHING AGRICULTURE

1 to 5 credits

Either semester

Observation and practice teaching under supervision in the agricultural classes of the Moscow High School. Open only to students who have taken Agr. Ed. 152. Required in Agricultural Education Curriculum. (LATTIG, BRIGHAM)

Primarily for Graduates

251-252 SEMINAR

1 to 4 credits

Either semester

(LATTIG)

253-254 RESEARCH

1 to 4 credits

Either semester

Students will be expected to present the results of the study in a thesis. Open only to graduate students. (LATTIG)

AGRICULTURAL ENGINEERING

Professor LEWIS, Assistant Professor EDGAR, Mr. HUMPHREY

Primarily for Undergraduates

1 FARM SURVEYING

2 credits

First semester

Use and care of instruments. Elementary surveying. One lecture and one three-hour laboratory period a week. (LEWIS)

2 ELEMENTARY DRAFTING

1 credit

Second semester

Use of drafting instruments; lettering; sketching of simple machine parts; projections and working drawings. One three-hour laboratory period a week. (LEWIS)

3 FARM SHOP

1 credit

First semester

Shop work, consisting of the use and care of tools; soldering; babbitting; filing; pipe fitting; use of drills, taps, and dies. One three-hour laboratory period a week. (HUMPHREY. Given also at the Southern Branch)

- 5 CONCRETE 1 credit First semester
The theory and practice of building with plain concrete.
One three-hour laboratory period a week. (LEWIS)
- 7 FARM BUILDINGS 3 credits First semester
The student is taught to letter, to sketch simple machine parts, to design simple equipment, such as stock-feeding racks, stock shelters, manure pits, leading up to and including the designing of hog houses, poultry houses, garages, implement sheds and barns. After the preliminary work each student is given considerable freedom in his chosen field. One lecture and two three-hour laboratory periods a week. (EDGAR)
- 11 FARM WATER SUPPLY AND SANITATION 2 credits First semester
Sources and quality of water for domestic use, pumps, commercial water systems: disposal of household wastes, including the septic tank; methods of fire protection; principles of refrigeration; ventilation and heating of farm houses and buildings. Two lectures a week. (LEWIS)
- 32 FARM MACHINERY 2 credits Second semester
Study of the simple machines, leading to the study of the construction, care, adjustment, and operation of farm machinery. One recitation and one three-hour laboratory period a week. (EDGAR)
- 34 GAS ENGINES 2 credits Second semester
Adjustment, operation, repair and testing of gas engines; locating troubles. Elements of electricity and magnetism, leading up to a study of battery and coil ignition. One recitation and one three-hour laboratory period a week. (EDGAR)
- 35 TRACTORS 2 credits First semester
Construction, care, and operation of gasoline tractors. The laboratory work consists of the operation, adjustment, testing, and repair of gasoline tractors. One lecture and one three-hour laboratory period a week. Prerequisite: A.E. 34. The prerequisite may be waived at the discretion of the head of the department. (EDGAR)

For Advanced Undergraduates and Graduates

- 101 AGRICULTURAL ENGINEERING THESIS 1 credit Each semester
- 103 ADVANCED FARM SHOP 2 credits First semester
Intended especially for students who expect to do Smith-Hughes teaching. Shop construction, arrangement of equipment and courses, and practice in the shop. One lecture and one three-hour laboratory period a week. Prerequisite: A.E. 3. (EDGAR)

- 136 AUTOMOBILES 3 credits Second semester
Study of the construction, care, repair, and operation of the automobile. Two lectures and one three-hour laboratory period a week. Prerequisite: A.E. 34. The prerequisite may be waived at the discretion of the head of the department. (EDGAR)
- 138 FARM EQUIPMENT REPAIR 2 credits Second semester
The adjustment and repair of the machines in common use on the farm. Farmstead construction and maintenance of equipment. Two three-hour laboratory periods a week. (EDGAR)
- 139 PRACTICAL ELECTRICITY 3 credits First semester
Includes the elementary principles of electricity and magnetism, general operation of electric generators and motors, study of construction and operation of storage batteries, farm lighting units, and house wiring. Two lectures and one three-hour laboratory period a week. (EDGAR)
- 161 IRRIGATION PRACTICE 3 credits First semester
Survey of the place of irrigation in western agriculture; irrigation units; use of irrigation water by crops; conservation of water; time and amount of irrigation; over-irrigation and alkali; application of water; irrigation institutions. Three lectures a week. (LEWIS)
- 162 IRRIGATION MEASUREMENTS 3 credits Second semester
Installation of weirs and orifices; use of the current meter; determination of capacity and layout of farm ditches; flumes, and pipe lines; preparation of land; distribution of water; pumping. Two lectures and one three-hour laboratory period a week. (LEWIS)
- 163 IRRIGATION SYSTEMS 1 credit First semester
The operation and maintenance of irrigation systems, including the delivery of water and the keeping of records. One lecture a week. (LEWIS)
- Primarily for Graduates*
- 201-202 SEMINAR 1 credit Each semester
(LEWIS, EDGAR)
- 203-204 RESEARCH Credits to be arranged Each semester
(LEWIS, EDGAR)

AGRONOMY

Professor HULBERT, Associate Professor MCDOLE, Mr. REMSBERG

Primarily for Undergraduates

- 1 GENERAL CROP PRODUCTION 4 credits First semester
An introductory course in grain and forage crops dealing largely with the principal factors underlying crop production.

Lectures, recitations, and assigned readings upon the classification, economic significance, distribution, improvement, varieties, cultural practices, harvesting, and marketing of grain and forage crops. The laboratory time will be devoted to a study of the botanical characteristics, identification of plants and seeds of the crops studied. Sophomore year. Three lectures and one three-hour laboratory period a week. (HULBERT, REMSBERG. Given also at the Southern Branch)

3 FORAGE CROPS 3 credits First semester

A detailed study of the importance, climatic and soil adaptations, botanical relationships, distribution, cultural practices, seed production, and feeding value of the various forage crops grown in the United States. The laboratory time is devoted to a study of the botanical characteristics, identification of the plants and seeds of the crops studied. Sophomore year. Two lectures and one three-hour laboratory period a week. To be discontinued in 1928. (HULBERT, REMSBERG)

For Advanced Undergraduates and Graduates

100 ADVANCED CROP PRODUCTION 3 credits Second semester

Lectures and assigned readings on special phases of grain, forage, and small seed production and marketing. Botanical classification, varietal studies, plant and seed identification are covered in the laboratory. Junior year. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 1. (HULBERT, REMSBERG)

101 GENETICS 3 credits First semester

A study of the general principles of genetics, theories of heredity, evolution, variation, and Mendelism, including the application of these principles to crop and animal breeding. Junior year. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 1. (REMSBERG)

102 CROP IMPROVEMENT 2 credits Second semester

A continuation of Agron. 101, considering methods used in breeding crops and the practical application of the principles studied in the previous course. Two lectures. (REMSBERG)

104 COMMERCIAL GRADING AND MARKETING

2 credits Second semester

Lectures and assigned readings on the commercial grading and marketing of small grains, small seeds, and hay. In the laboratory, actual grading of samples is done, based on the Federal Grade Standards. This course should be taken by students in competitive judging. Junior or senior year. One lecture and one three-hour laboratory a week. Prerequisite: Agron. 1. (HULBERT)

- 105 SEED JUDGING AND GRADING 2 credits First semester
Lectures and assigned readings on special phases of grain and forage crop production. Botanical classification, varietal studies, and the judging of small grain, corn, and legumes, are covered in the laboratory. This course should be taken by students interested in competitive judging. Junior or senior year. Three two-hour periods a week. Prerequisites: Agron. 1 and 104. (HULBERT)
- 106 SEED ANALYSIS AND IDENTIFICATION 2 credits First semester
Lectures cover methods of dissemination of weeds, habits of growth, and control measures; legislative measures for the regulation of the sale of seed for planting. Laboratory periods are devoted to the analysis of seed for purity and germination and to the identification of weed seeds. Senior year. One lecture and one three-hour laboratory period a week. Prerequisite: Agron. 1. (REMSBERG)
- 107 ADVANCED JUDGING AND GRADING 1 credit First semester
A continuation of Agron. 105. (HULBERT)
- 108 SPECIAL CROPS 1 credit Second semester
Lectures and assigned readings dealing with the history, distribution, classification, climatic and soil adaptations and cultural methods used in growing beans, sugar beets, and flax. One lecture a week, junior or senior year. Prerequisite: Agron. 1. (HULBERT)
- 110 FARM MANAGEMENT 3 credits Second semester
A course of lectures and assigned readings, covering such phases of farm management as the qualifications of a farmer, choice of a farming region, types of farming, crop rotation as related to farm management, cost of producing farm products, labor, equipment, capital, land rental, and marketing. Senior year. Prerequisites: Agron. 1 and 151. (HULBERT)
- 111-112 METHODS OF INVESTIGATION 1 credit Each semester
Lectures are given on methods of conducting agronomic experiments, including legislative measures providing for experimental work, care and management of plots, correcting for error, technique, project outlines, and report writing. Junior or senior year. One recitation or lecture a week. (HULBERT)
- 113-114 SEMINAR 1 credit Each semester
A review is made of experiment station literature of interest to agronomists. Papers are presented by members of the department on investigations in progress, and assigned papers are reported on by students on special topics. Senior year. One hour a week. (HULBERT)

- 115-116 UNDERGRADUATE RESEARCH 1 to 3 credits Each semester
Research may be taken along crops or soils lines, as determined by the needs and training of the student. Those students preparing for federal or state experiment station work in agronomy should complete a research problem. Amount of credits to be arranged after consultation. (HULBERT, McDOLÉ)
- 151 GENERAL SOILS 4 credits First semester
An elementary course dealing with the formation of soils, their physical properties, and adaption to agricultural uses. Junior year. Three lectures and one three-hour laboratory period a week. (McDOLÉ)
- 152 SOIL MANAGEMENT 2 credits Second semester
A consideration of the plant-food content and the fertility of different types of soil; principles underlying the management of soils in the humid, arid, and semi-arid regions, and the utilization of fertilizers and manures. Senior year. Two lectures a week. Prerequisite: Agron. 151. (McDOLÉ)
- 153 SOIL PHYSICS 3 credits First semester
An advanced course covering the mechanics of soil moisture, temperature, tilth, etc. The most important physical properties serving as an index to the texture and moisture-holding capacity will be studied. Senior year. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 151. (McDOLÉ)
- 155 ORIGIN AND CLASSIFICATION OF SOILS 2 credits First semester
A study of the rocks and minerals from which soils are derived and a discussion of the processes of soil formation. Studies are made of the Bureau of Soils methods of soil mapping. Junior year. Two lectures a week. Prerequisite: Agron. 151. (McDOLÉ)

Primarily for Graduates

- 213-214 RESEARCH 1 to 3 credits Each semester
This course is open only to graduates taking advanced work in agronomy. The particular phase of agronomy to be chosen will depend on the needs of the student. A thesis is required upon completion of the research problem chosen. (HULBERT, McDOLÉ)
- 215-216 GRADUATE SEMINAR 1 credit Each semester
Review of experimental work of interest to agronomists. Papers by members of the department on investigations in progress. Student reports on assigned papers on special topics. One hour a week. (HULBERT)

ANIMAL HUSBANDRY

Professor HICKMAN, Associate Professor NORDBY, Dr. TAYLOR

Primarily for Undergraduates

1 MARKET TYPES OF LIVESTOCK 3 credits First semester

A study of the various types of horses, cattle, sheep, and swine from a market and producer's standpoint. The classes and grades of animals recognized by the market are outlined in lectures, and in connection laboratory work is given in the scoring of individuals and judging of groups representing the more important market classes. Two lectures and one three-hour judging period a week. Required of freshmen in agriculture. (NORDBY)

2 LIVESTOCK FEEDING AND MANAGEMENT

2 credits Second semester

General problems of the feeding and management of livestock with special reference to conditions in the Pacific Northwest. Two lectures each week. Required of sophomores in agriculture. (HICKMAN, NORDBY)

70 SANITARY SCIENCE 1 credit Second semester

This course embraces the common diseases and accidents of livestock found in national forests, with modes of prevention. Emphasis is placed on those diseases which are transferable to man. One recitation a week. (TAYLOR)

For Advanced Undergraduates and Graduates

103 BREED TYPES OF LIVESTOCK 2 credits First semester

Includes a brief study of the early history, development, and breed characteristics of the various improved breeds of domestic animals. Considerable time is given to practice work in judging representatives of the various breeds according to standards set by breed associations and by the show-ring. One lecture and one three-hour judging period a week. Required of juniors in animal husbandry. Prerequisite: A.H. 1. (HICKMAN, NORDBY)

104 LIVESTOCK JUDGING 2 credits Second semester

The judging of horses, cattle, sheep, and swine in groups with reference to breed and market types. Three two-hour judging periods a week. Prerequisites: A.H. 1 and 103. (HICKMAN)

106 ANIMAL NUTRITION 3 credits Second semester

Physiology of nutrition: digestion, resorption, metabolism, protein requirements, energy requirements and utilization. Feeding stuffs: digestible nutrients, energy values, classification, description and use of feeds. Feeding: maintenance, growth and production requirements. Required of juniors in animal husbandry. Prerequisite: Agr. Chem. 2 and 2a. (HICKMAN)

- 111 ADVANCED LIVESTOCK JUDGING 1 credit First semester
A continuation of the work given in Animal Husbandry 104 especially planned for senior students. So far as possible in this course excursions are made to livestock farms and shows within the reach of the University. One three-hour judging period a week. Prerequisite: A.H. 104. (HICKMAN)
- 112 ANIMAL BREEDING 2 credits Second semester
A study of the principles of animal breeding. Attention is given to grading, inbreeding, and cross-breeding, and the practice of the most successful breeders is carefully studied and lessons are drawn therefrom. Two recitation periods a week. Prerequisite: Zool. 8. (NORDBY)
- 113 MEAT 2 credits First semester
Butchering, curing, and care of meats; yield, quality, and values of meat and by-products as influenced by breeding, feeding, and health of meat animals; market classes, grades, and cuts of meat in wholesale and retail markets. Thru courtesy of the Hagen & Cushing Co., students in this course have opportunity to study killing, dressing, and curing meats in the company's government-inspected packing plant. An expert conducts classes in which the student has practice in making the wholesale and retail cuts of meat. Lectures; practice. Prerequisites: A.H. 1 and junior standing in the College of Agriculture. (NORDBY)
- 114 HISTORY OF BREEDS 3 credits Second semester
History and development of the leading breeds of horses, beef cattle, sheep, and swine. Methods of constructive breeders; tabulation of pedigrees; influence of families; work of breed association. Lectures, assigned readings, and problems. Prerequisite: A.H. 103. (HICKMAN, NORDBY)
- 131 BEEF PRODUCTION 2 credits First semester
Breeding, feeding, and management of purebred and grade herds with special reference to the problems of the stockman of the Northwest; market classes and grades; economic factors in cattle feeding; influence of age, grade, condition, sex, season, and methods of steer feeding; equipment; pork and manure as by-products of beef production; marketing. Lectures, problems, and reference readings. Prerequisites: A.H. 1, 103 and 106. Senior year. (HICKMAN)
- 133 SWINE PRODUCTION 2 credits First semester
Factors influencing the economic production of breeding and market swine; establishing and managing purebred herds; marketing. Lectures and reference reading. Two recitation periods a week. Prerequisites: A.H. 1, 103 and 106. Senior year. (NORDBY)

- 135 SHEEP PRODUCTION 2 credits First semester
Breeding, feeding, and management of purebred and grade flocks under range and farm conditions; market classes and grades of sheep and wool; economic factors in feeding for market; marketing. Lectures, problems, and reference readings. Prerequisites: A.H. 1, 103, and 106. Senior year. (HICKMAN)
- 137 HORSE PRODUCTION 1 credit First semester
Problems of horse husbandry; breeding, feeding, and management. Lectures and reference reading. One recitation hour a week. Prerequisites: A.H. 1, 103 and 106. Senior year. (NORDBY)
- 140 LIVESTOCK FARMING 2 credits Second semester
The physical and economic factors as they may determine the type of farming. The co-ordination of land, labor, and capital employed in the economic organization of livestock production involving the various classes of livestock. Planning livestock farming enterprises. Field trips to livestock farms. Senior year. Prerequisites: A.H. 131, 133, 135, and 137 (NORDBY)
- 142 RANGE LIVESTOCK MANAGEMENT 2 credits Second semester
A study of grazing lands, range plants, water development and of the methods of handling cattle and sheep on the range. Two lectures a week. Prerequisites: A.H. 131 and 135. Senior year. (HICKMAN)
- 157-158 SEMINAR AND PRACTICUMS 1 credit Each semester
In the seminar a study is made of the work in animal husbandry carried on at the various experiment stations. The work in practicums has to do with practical problems in the management of livestock, including the grooming and preparation for show of horses, beef cattle, sheep, and swine. (HICKMAN, NORDBY)
- 159-160 THESIS 1 credit Each semester
Subjects for theses must be chosen and filed with the head of the department on or before the first Monday in November preceding graduation, and typewritten copies must be filed with the librarian on or before the third Monday in May. (HICKMAN, NORDBY)
- 171 COMPARATIVE ANATOMY 3 credits First semester
A systematic study of the bones, articulations, muscles, and the digestive, respiratory, genito-urinary, circulatory, and nervous systems, and the organs of special sense. Three recitations a week. (TAYLOR)
- 172 COMPARATIVE PHYSIOLOGY 3 credits Second semester
The various functions of the animal body, including a study of the protoplasm, cells and tissues, the blood and lymph, respiration and digestion, absorption and nutrition, generation and development, are considered. Prerequisite: A.H. 171. Three recitations a week. (TAYLOR)

- 173 MATERIA MEDICA 2 credits First semester
Common medicines used on the farm in the treatment of diseased livestock are studied. Poisons and their antidotes, administration of medicines, and the indications for the various biological products are also considered. Two recitations a week. (TAYLOR)
- 177 ANIMAL DISEASES 3 credits First semester
The diseases of domestic animals are studied. Special attention is given hygiene and sanitation, emphasizing their importance in the prevention of diseases. The simple surgical operations are also considered. The purpose of this course is to familiarize the student with veterinary science to an extent sufficient for his own needs as an agriculturist. Prerequisite: A.H. 172. Three recitations a week. (TAYLOR)
- 178 VETERINARY OBSTETRICS 2 credits Second semester
The common diseases and accidents of pregnancy and parturition in livestock will be considered from the standpoint of the stock breeder. Prerequisite: A.H. 172. Two recitations a week. (TAYLOR)
- Primarily for Graduates*
- 200-201 RESEARCH Credits to be arranged Each semester
(HICKMAN, NORDBY)

ARCHITECTURE

Professor LANGE,* Mr. STAGEBERG, Assistant Professor PRICHARD

Primarily for Undergraduates

- 1 ELEMENTARY ARCHITECTURAL DESIGN 2 credits First semester
This course is introduced with several lectures on the elements of architecture, followed by problems in line and space, using the simpler architectural elements. Shades and shadows and the application of washes are introduced. Three hours of drawing twice each week.
- 2 ARCHITECTURAL DESIGN 2 credits Second semester
A continuation of Arch. 1. A series of elementary problems in architectural composition and planning, with a further study of the elements of architecture. Three hours of drawing twice each week. Prerequisite: Arch. 1.
- 3 ARCHITECTURAL DESIGN 3 credits First semester
A series of problems in architectural composition and planning. Three hours of drawing three times each week.
- 4 ARCHITECTURAL DESIGN 3 credits Second semester
A continuation of Arch. 3 with the problems gradually growing larger. Three hours of drawing three times each week.

*First semester, 1927-28.

- 35 SHADES AND SHADOWS 1 credit First semester
A course in elementary shades and shadows given in the first semester of the freshman year. No prerequisites.
- 36 ARCHITECTURAL PERSPECTIVE 1 credit Second semester
A discussion of the phenomena of perspective and methods of representing distance, followed by exercises in drawing architectural perspectives. Three hours of drawing once each week. Prerequisite: Arch. 35.
- 41 ARCHITECTURAL HISTORY 2 credits First semester
A study of ancient architecture to and including the Roman period. Two lectures each week and research. Prerequisite: Arch. 2.
- 42 ARCHITECTURAL HISTORY 2 credits Second semester
From the early Christian thru the Romanesque period. Two lectures each week, and research. Prerequisite: Arch. 2.
- 43 ARCHITECTURAL HISTORY 2 credits First semester
The Gothic period in architecture. Two lectures each week and research. Prerequisite: Arch. 2.
- 44 ARCHITECTURAL HISTORY 2 credits Second semester
Renaissance and modern architecture. Two lectures each week, and research. Prerequisite: Arch. 2.
- 61 BUILDING CONSTRUCTION 3 credits First semester
The nature and properties of woods used in building construction. Also methods of construction. Three lectures or recitations each week. Prerequisite: Arch. 2.
- 62 BUILDING CONSTRUCTION 3 credits Second semester
Building materials and processes other than those included in the first semester. Three lectures or recitations each week. Prerequisite: Arch. 2.
- For Advanced Undergraduates and Graduates*
- 105-106 ARCHITECTURAL DESIGN 4 credits Each semester
A continuation of Arch. 4. Three hours of drawing four times each week. Prerequisite: Arch. 4.
- 107-108 ARCHITECTURAL DESIGN 5 credits Each semester
A continuation of Arch. 106. Three hours of drawing five times each week. Prerequisite: Arch. 106.
- 162 LANDSCAPE DESIGN 2 credits Second semester
Landscape design with particular emphasis on its relation to architecture. This is not a course in horticulture. Prerequisite: Arch. 107.

ART

Assistant Professor PRICHARD

Primarily for Undergraduates

- 1 FREEHAND DRAWING 2 credits First semester
The principles of freehand perspective and the elements of composition. Drawing in pencil and charcoal. Two three-hour laboratory periods weekly. No prerequisite. (PRICHARD. Given also at the Southern Branch)
- 2 FREEHAND DRAWING 2 credits Second semester
Further development of freehand technique. Outdoor sketching in the spring. Two three-hour laboratory periods weekly. Prerequisite: Art 1. (PRICHARD. Given also at the Southern Branch)
- 8 ELEMENTARY STAGECRAFT 2 credits Second semester
Mechanics of stagecraft, makeup, lighting, and stage design. Lecture and laboratory. Prerequisite: Art. 1. (PRICHARD)
- 13 WATER COLOR 2 credits First semester
Development of water-color technique. Sketching from sets and from nature, with special attention to composition. Three hours, two times a week. Prerequisite: Art 1. (PRICHARD. Given also at the Southern Branch)
- 14 WATER COLOR 2 credits Second semester
Still-life and landscape painting in water color. Three hours twice each week. Prerequisite: Art. 13. (PRICHARD. Given also at the Southern Branch)
- 21 ALPHABETS 2 or 3 credits First semester
Mechanics of lettering and a study of historic styles. (PRICHARD. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 105-106 FREEHAND DRAWING 2 or 3 credits Each semester
Advanced drawing from life, nature, and the antique. Three three-hour laboratory periods a week. Prerequisite: Art. 14. (PRICHARD)
- 109 ALLIED ARTS 1 credit First semester
Furniture and decoration for architects. Prerequisite: advanced undergraduate standing. (PRICHARD)
- 110 HISTORY OF PAINTING AND SCULPTURE 1 credit Second semester
The relation and correlation between these arts and their development and the development of the styles of architecture. Prerequisite: advanced undergraduate standing. (PRICHARD)

- 124 COMPOSITION AND ILLUSTRATION 3 credits Second semester
This course may be substituted for Art 128. Composition and illustration with special study of advertising illustrations and their methods of reproduction and printing. Three hours three times each week. Prerequisite: Art 127. (PRICHARD)
- 127-128 ADVANCED FREEHAND DRAWING 2 or 3 credits Each semester
Individual research in various media. Oil painting, wood block, water color, etc. Three three-hour laboratory periods each week. Prerequisite: Art 106. (PRICHARD)
- 151n-152 HISTORY OF ART 2 credits Each semester
History of art thru the ages, embracing the finest examples in architecture, sculpture, painting, and the minor arts. Lectures with lantern slides, recitations, etc. One hour twice each week. Prerequisite: advanced undergraduate standing. (PRICHARD)

BACTERIOLOGY

Professor RUEHLE, Assistant Professor PROUTY

Primarily for Undergraduates

- 8 HYGIENE AND SANITATION 3 credits Second semester
Includes a general discussion of communicable diseases, immunity, food, air, soil, water, sewage disposal, refuse disposal, vital statistics, industrial hygiene and diseases of occupation, school hygiene, disinfection, etc. Two lectures and one quiz each week. Open to all students. (RUEHLE)

For Advanced Undergraduates and Graduates

- 101 GENERAL BACTERIOLOGY 4 credits Either semester
A general survey of the field of bacteriology, designed for students in the general science courses and as a foundation for advanced work in the subject. Prerequisites: Chem. 1-2; Bot. 1 or Zool. 1. Organic Chemistry is recommended. Two lectures and two three-hour laboratory periods a week. Will be repeated, second semester, for fifteen or more students. (RUEHLE)
- 103 AGRICULTURAL BACTERIOLOGY 3 credits First semester
An advanced course covering the divisions of soil, manure, milk and its products, diseases of animals, and kindred subjects relating to the farm. Prerequisite: Bact. 101. One lecture and two three-hour laboratory periods a week. (RUEHLE)
- 104 PATHOGENIC BACTERIA 3 credits Second semester
A study of the most important disease-producing organisms, serums, vaccines, etc.; animal experiments and practice in laboratory diagnosis. One lecture and two three-hour laboratory periods a week. Prerequisite: Bact. 101. (PROUTY)

- 105 BACTERIOLOGICAL TECHNIQUE 2 credits First semester
A detailed study of the methods used in bacteriological work. Preparation of special culture media, special staining methods, and problems involving special technique. Prerequisite: Bact. 101. Two three-hour laboratory periods a week. (RUEHLE, PROUTY)
- 106 DAIRY BACTERIOLOGY 3 credits Second semester
A study of the number of bacteria in milk, butter, cheese, ice-cream, and other dairy products, isolation and study of specific groups, effect of common farm dairy practices on the number of bacteria in milk, etc. Prerequisite: Bact. 101. One lecture and two three-hour laboratory periods a week. (RUEHLE)
- 108 SOIL BACTERIOLOGY 3 credits Second semester
A lecture and laboratory course dealing with the transformation of nitrogen, carbon, iron, and sulphur, brought about in the soil by the action of micro-organisms; the number of bacteria in soil and effects of farm practices on the number; the isolation and study of specific groups. Prerequisite: Bact. 101. One lecture and two three-hour laboratory periods a week. (RUEHLE, PROUTY)
- 109 IMMUNITY 3 to 5 credits First semester
An intensive study of the theories of immunity, with animal experiments in the production of immune serum, use of vaccines, preparation and testing of vaccines, serum, toxins and antitoxins. One lecture and two three-hour laboratory periods a week. Prerequisites: Bact. 101 and 104. (PROUTY)
- 110 SEROLOGY 3 to 5 credits Second semester
A continuation of course 109 with emphasis on complement fixation and serum reactions. Prerequisites: Bact. 101, 104, and 109. (PROUTY)
- 111-112 SEMINAR Credits to be arranged Each semester
- 113 PUBLIC HEALTH METHODS 2 to 5 credits First semester
A detailed study of bacteriological methods employed in Public Health Laboratories in the diagnosis of diseases, identification of organisms, and laboratory procedures as an aid in epidemiology. Designed to prepare students for Public Health Laboratory Service. Laboratory and lectures to be arranged. Prerequisites: Bact. 101 and 104. (PROUTY)
- Primarily for Graduates*
- 211-212 RESEARCH Credits to be arranged Each semester
(RUEHLE)

BOTANY*

Professor GAIL, Assistant Professor DIETERT, Miss ALBERTSON

Primarily for Undergraduates

- 1-2 GENERAL BOTANY 3 or 4 credits Each semester

This course begins with a study of the cell and its functions. This is followed by a general survey of the entire plant kingdom, beginning with the lower forms. Elementary morphology, physiology, and anatomy of the plants will be considered. Two lectures and two laboratory periods weekly. May be taken for three credits only by permission of the instructor. (GAIL, DIETERT, ALBERTSON. Given also at the Southern Branch)

- 2-1 GENERAL BOTANY 3 or 4 credits Each semester

Repetition of Botany 1-2 for students beginning the course at midyear. (ALBERTSON)

- 12 GENERAL AGRICULTURAL BOTANY 5 credits Each semester

A study of the fundamentals of botany with special reference to agricultural subjects. The course is designed to serve as a basis for the work in plant physiology and plant pathology and the technical courses of the College of Agriculture. Two lectures, one quiz, and two laboratory periods weekly. (DIETERT. Given also at the Southern Branch)

- 13-14 SYSTEMATIC BOTANY 3 credits Each semester

This course begins with a study of the lower seed plants and progresses toward the higher types. The monocotyledonous plants will be studied the first semester with special emphasis on the grasses; the dicotyledonous plants are studied the second semester with some special study of the composites. (GAIL, ALBERTSON. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 102 GENERAL PLANT PHYSIOLOGY 4 credits Second semester

A study of the physics, chemistry, growth, and movements of plants. Should be preceded by Botany 1-2, or 12. Preparation for the course should also include a year of college physics and a year of college chemistry. Two lectures and six laboratory hours weekly. (GAIL)

- 104 PLANT HISTOLOGY 4 credits Second semester

The tissues of plants are considered from the standpoint of origin, development and function, special attention being given to the histology of the woody plants. A series of microscopical slides for the study of tissues is prepared. The course should be preceded by Botany 1-2 or 12 and 13-14. Two lectures and six laboratory hours weekly. (DIETERT)

*For plant pathology, see under the Department of Plant Pathology.

- 106 PLANT ECOLOGY 4 credits Second semester
Comparative study of plant tissues from the standpoint of origin and role, followed by field work in the greenhouse and fields near the University and some work in adjacent mountains. Should be preceded by Bot. 1-2; 13-14. Two lectures and six laboratory hours weekly. (GAIL)
- 107-108 MYCOLOGY 4 credits Each semester
The morphology, physiology, and taxonomy of the fungi, with special emphasis on the parasitic forms, the fungi concerned with decay, and the edible and poisonous mushrooms. Prerequisites: Bot. 1-2; 11; 13-14. Two lectures and two laboratory periods a week. (DIETERT)
- 109 THE TEACHING OF BOTANY 2 credits First semester
The following topics will be included: The aim of teaching botany in secondary education; the principles that determine the selection of botanical apparatus, laboratory material, and texts; a review of the subject matter, including methods of presentation. This course will be limited to those who major or minor in botany and expect to teach this subject. (GAIL)
- 112 FOOD MICROSCOPY 3 credits Second semester
Micro-technic and micro-chemistry of foods, seeds and drugs; the identification of vegetable fibres and manufactured textiles with reference to purity. Prerequisites: Bot. 1-2; Chem. 1-2. One lecture and six laboratory hours weekly. (GAIL)
- 121-122 ADVANCED MORPHOLOGY 4 credits Each semester
An intensive morphological study of the four great groups of plants. An opportunity to acquire a good collection of microscopic preparations will be given. The course affords an excellent preparation for teachers of botany in colleges or high schools and for research. Prerequisites: Bot. 1-2; 13-14; 107. Two lectures and six laboratory hours weekly. (DIETERT)
- Primarily for Graduates*
- 203-204 PLANT PHYSICS, NUTRITION AND GROWTH 4 credits Each semester
A course in plant physiology for majors in the department of senior standing or for graduate students. Prerequisites: Bot. 1-2; 13-14; 102; working knowledge of chemistry and physics and a reading knowledge of French. Two lectures and six laboratory hours weekly. (GAIL)
- 206 BRYOPHYTES AND PTERIDOPHYTES 3 credits Second semester
Morphology, taxonomy, and evolution of the liverworts, mosses, and ferns. Prerequisites: Bot. 1-2; 13-14; 121-122. For majors in the department of senior standing or for graduate students. One lecture and six laboratory hours weekly. (DIETERT)

- 207-208 ADVANCED TAXONOMY 2 or 5 credits Each semester
Taxonomy and morphology of special groups of plants. For
seniors or graduate students. Prerequisites: Bot. 1-2; 13-14;
121-122. (GAIL)
- 221-222 BOTANICAL SEMINAR 1 credit Each semester
Review of current journals; presentation of research work
done or in progress. (GAIL, DIETERT)
- 231-232 RESEARCH Each semester
Students with sufficient preparation may be assigned to re-
search problems in physiology, ecology, morphology, mycology,
and taxonomy. (GAIL, DIETERT)

BUSINESS ADMINISTRATION

Professor DALE, Associate Professors FARMER and ENGLE, Assistant
Professors WILDE and HOLMES, Mr. SUTTON, Miss REIERSON.

Assistant Professor MOREAU

Primarily for Undergraduates

- E-F TYPEWRITING No credit Each semester
Previous training not required. (REIERSON)
- 15n-16 BUSINESS ETHICS $\frac{1}{2}$ credit Each semester
Academic ethics and professional ethics; characteristics of
a profession; ethics of competition; "cut-throat" competition;
fiduciary obligations; the accountant; the business man's duties
to society; professional organizations; personal idealism. Lec-
tures and assigned readings. Meets once a week thruout the
year. Required of all Business freshmen. Total of one credit.
(DALE. Given also at the Southern Branch)
- 25 RAW MATERIALS AND MARKETS 3 credits First semester
An introductory course in the general field of economic
geography and marketing. Includes the geographic factors in-
fluencing the production, distribution, and marketing of the
world's leading commodities. An examination of the continents
as sources of production and as markets for the principal raw
materials. Special emphasis on the United States. (HOLMES.
Given also at the Southern Branch)
- 26 BUSINESS ORGANIZATION 3 credits Second semester
A survey of the field of business, designed as a foundation
for the more specialized courses. In the first part of the course,
emphasis is placed on types of organization and management,
with attention given to the business aspects of manufacturing,

65n-66	SHORTHAND	3 or 4 credits	Each semester
<p>A beginning course in Gregg shorthand. Transcription of notes on the typewriter. Three credits for those who show sufficient skill on the typewriter to transcribe without further instruction; four credits for those who must take typewriting in addition. For shorthand, the class meets five times a week; for typewriting, for those required to take it, there are five additional meetings a week, with practice hours to be arranged. (REIERSON. Given also at the Southern Branch)</p>			

3 credits

Dictation from a collection of material so graded and classified as to be effective in the development of shorthand speed, and so varied as to give the student an extensive business and shorthand vocabulary, both technical and general. Thoro review of principles. Business procedure. (REIERSON. Given also at the Southern Branch)

Each semester

A detailed study of accounts. Practice in the use of journals employed in ordinary accounting. Emphasis is laid on the purpose of the various accounting records and the information that each should give. In the second semester a set of books is opened. Corporation accounting, eight-column statements, controlling accounts. Text, lectures, quiz, laboratory. (WILDE. Given also at the Southern Branch)

108 TRANSPORTATION

3 credits

Emphasis is placed chiefly on railroad transportation in the United States. The course covers such topics as service, rates, public aid, public ownership, Transportation Act of 1920, and other problems, including intermountain rate questions and their economic significance. The latter part of the course is devoted to a study of ocean transportation: rates, marine insurance, marine documents, merchant marines. (—)

113-114 STATISTICS

2 credits

A course in the fundamentals of statistical methods and analysis. The work of the first semester covers the sources of economic statistics, the technique of their collection, compilation, analysis, tabular and graphical presentation; frequency distribu-

tions, averages and measures of dispersion. That of the second semester covers correlation, index numbers, and adjusting time series for secular trend and seasonal variation. There will be frequent problems in the form of formal reports which will give the student exercise in the technique studied in class. The aim of these reports is to provide practical training in the actual application of statistical technique to problems likely to arise in the field of business, economics, education, or other scientific research. (ENGLE)

123 FINANCIAL ADMINISTRATION 3 credits First semester

Comparison of the suitability of the different forms of business for new and going businesses. Promotion of new enterprises: the business opportunity, investigation, assembling. Principles and types of borrowing. Estimation of the amount of permanent capital required. Raising permanent capital without the sale of securities. Raising permanent capital thru security issues: the problem of capitalization, selection of securities to offer, their terms. The sale of securities of new and going businesses and of small and large enterprises: direct selling; financial agents; stock rights; customer and employee ownership; investment houses; stock brokers; stock exchanges. (FARMER)

124 FINANCIAL ADMINISTRATION 3 credits Second semester

Continuation of Bus. 123. Estimation of the amount of temporary capital required. Borrowing from commercial banks: choosing a bank, means of borrowing from banks, line of credit; overdrafts, discounting of receivables, bank acceptances, secured loans. The use of note-brokers and commercial paper houses; commercial credit houses and discount companies; dealers' credit. Miscellaneous method of obtaining temporary capital. Financial aspects of purchasing, production, and selling. The credit and collection department. The use of insurance. The advisability and methods of retiring long-time debt. Management of income: depreciation and the maintenance of assets; sinking funds; special reserves; surplus and dividend policies. (FARMER)

126 ANALYSIS OF FINANCIAL STATEMENTS

2 credits

Second semester

Analysis of balance sheets and income statements. Supplementary information. Ratio analysis with particular reference to the sources and uses of capital, the position of working capital, the productivity of assets, and the rate of expansion. Financial statements of different types of business: railroads, public utilities, mining companies. (FARMER)

127 CREDITS AND COLLECTIONS 2 credits

First semester

Nature and types of credit. Credit instruments, credit terms. The bases of credit. Sources of credit information: interviews,

correspondence, plant inspection, financial statements, salesmen, mercantile agencies, banks and commercial paper houses, exchange of credit information, credit men's associations, analysis of credit interchange reports, miscellaneous sources. Credit training required by a credit executive, relation of the credit department to other departments and to the general management. Internal organization, filing systems, department procedure, tests of efficiency of credit department. Collections: relation of collections to credit department; tests of efficiency of collection policies; collection methods and procedure; legal remedies; adjustments, extensions, and composition; bankruptcy and receivership; credit insurance. Credits and collections in special fields: retail businesses, installment sales and collections, banks, miscellaneous fields, foreign trade. (FARMER)

129 RETAIL MERCHANDISING 2 credits First semester

In this course a study is made of the types of retail stores and the service each performs in our economic organization. Special study is made of the problems involved in the merchandising of different types of goods, consumer buying habits, customs, and prejudices. A thoro analysis is made of administrative and organization problems, including store layout, inventory methods, stock turn, pricing, advertising, and personnel administration. (HOLMES)

130 RETAIL STORE PROBLEMS 2 credits Second semester

In this course the student is given a thoro training in the problems of retail store management. The case method is used, covering the problems in the field of administrative control, merchandising policies, personnel management, the use of statistics, and the determination of factors affecting net profit, such as stock turn, proper buying, pricing, selling, and administrative expenses. (HOLMES)

133 COMMERCIAL BANKING PRACTICE

2 credits

First semester

Organizing the bank, question of state or national charter, capital requirements, general administration. Commercial banking department: receiving and paying tellers, collection department, clearings, accounting and records, loan department, investments, bank examination, reserves, cost of accounts, bank layout, foreign exchange department, new business department, service department, special problem of country banks. Savings department; trust department; bond department; escrow department. Taxation of banks. Relation of banks to the community. Opportunities in banking. (Omitted, 1928-29.) (FARMER)

134 PRODUCTION ADMINISTRATION 2 credits Second semester

Nature of production administration. Organization of manufacturing businesses. Plant construction and layout; power pro-

duction and transmission; heating, lighting and ventilation; selection and layout of equipment; plant maintenance. Choice, standardization, control, purchasing, receiving, storing and issuing of materials. Production, storage, and issuing of tools. Designing, planning, routing and scheduling of production; motion and time studies. Standardization, wage systems, inspection, storing and shipping. Masterplanning, relation of planning and cost departments. (SUTTON)

136 INVESTMENTS 3 credits Second semester

Nature and significance of investment. Demand and supply of long-time capital. Causes affecting the price of securities. Types of securities. The mechanism for investment and speculation. The marketing of low-grade securities. Blue-sky laws. General principles of investment and speculation. Application of these principles to the formation of investment policies for particular individuals and institutions. Selection of particular securities to fit these policies. Taxation of securities. Life insurance as an investment. Methods of distributing personal income and the results of systematic saving. Reading of the financial page. Sources of information available to investors. (FARMER)

141 FOREIGN TRADE MERCHANDISING 3 credits First semester

A basic study of the principles of merchandising as applied in foreign trade practice. A study is made of the machinery for the promotion of foreign trade, including governmental, national, international, local, and private agencies. Special emphasis is placed on the organization and management of the export sales department of the private enterprise. Attention is also given to the importing mechanism. The student is given the opportunity to make a detailed study of the general factors affecting the status of a specific foreign market, including the economic, financial, political, legal, governmental, social, and commercial factors. (HOLMES)

142 FOREIGN EXPORT PROBLEMS 3 credits Second semester

Advanced investigation of the problems and methods involved in foreign trade practice. Packing for export trade; trade-marks, price quotations, selling policies, and technicalities involved in exporting and importing are analyzed. Special commodity studies are made in the technicalities of selling in specific foreign markets. The course is designed to give the student a thoro training in exporting and importing problems as they confront the manager of foreign sales. Given in alternate years. (Offered in 1927-28). (HOLMES)

148 ORIENTAL TRADE 3 credits Second semester

An investigation of those special conditions that influence the oriental trade of the United States. Habits and customs of

oriental people are examined as well as governmental regulations and requirements. The course covers credit, finance, sales, and shipping problems. Special consideration is given to those aspects of oriental trade particularly affecting the Pacific Northwest. Prerequisite: Bus. 141-142. (Omitted, 1928-29). (HOLMES)

151 BUSINESS FORECASTING 3 credits First semester

A study of the form and extent of business risks and the place of business forecasting in the bearing of these risks; theories of the business cycle; the various indexes of business conditions, their significance and interpretation; business reporting and forecasting services and their practical uses in business management. (ENGLE)

152 PERSONNEL ADMINISTRATION 3 credits Second semester

Technique of employment management, practice in hiring, assignment and transfer, training, supervision, promotion, and discharge. The problem of job analysis and specification, progress of work fatigue and motion study. Individual and plant morale. Financial incentives and output; workers' welfare schemes, industrial reconstruction. The human relation between employer and employee. (SUTTON)

153 ADVANCED FINANCIAL ADMINISTRATION

3 credits

First semester

Advisability and methods of expansion. Purchase and valuation. Consolidations. Complicated forms of business organization. Business difficulties. Financial adjustments and reorganizations. Public utility and railroad finance. (Omitted, 1928-29). (———)

161 OFFICE MANAGEMENT 3 credits First semester

Takes up study of a well organized business office, filing systems, office appliances, business ethics, position of a private secretary, handling correspondence, reports, appointments, accounts. Limited to students majoring in business. (REIERSON)

165-166 BUSINESS LAW 3 credits Each semester

The course gives the student a knowledge of the ordinary legal aspects of common business transactions. Topics taken up for study are: contracts, sales, agency, partnership, corporations, guaranty and surety, bailment and negotiable papers. (MOREAU)

167-168 GOVERNMENT REGULATION OF BUSINESS

2 credits

Each semester

Federal and state legislation affecting business, regulation of interstate and intrastate commerce, anti-trust legislation, the Federal Trade Commission, regulation of public utilities, minimum wage and workmen's compensation legislation, arbitration and the industrial court, the injunction, taxation. (DALE)

169-170 MARKETING AND MARKET ADMINISTRATION

3 credits

Each semester

A study of the basic principles of marketing. The marketing functions of assembling, grading, storing, transporting, selling, financing, and the assumption of risks are studied in some detail. Marketing agencies are studied in relation to the marketing functions to be performed. The student is given the opportunity to make a thoro study of the marketing mechanism involved in the marketing of one or more specific commodities. In the second semester special attention is given to the functions of marketing from the point of view of the manufacturer and wholesaler. Special studies are made of marketing problems involved in the sale of specific products, and methods employed in scientific managerial control. (HOLMES)

172 MARKETING CAMPAIGNS 3 credits

Second semester

An advanced study of the planning, organizing, and conducting of advertising and sales campaigns. Market analyses are studied as a basis for planning. Emphasis is placed on the importance of coordinating the instruments in marketing administration thruout the campaign. Special studies are made of campaigns being conducted by leading manufacturing firms. Attention is called to the place of the advertising agency in the marketing mechanism. Prerequisite: Bus. 169-170. Given in alternate years. (Offered 1928-29). (HOLMES)

175 PRINCIPLES OF ADVERTISING 3 credits

First semester

A thoro study is made of the basic principles involved in the preparation and writing of advertising copy. Psychological appeals, copy style, layout and typography, trade-marks, slogans, and advertising mediums are studied. Practice is given in writing copy, and the student is given opportunity to make a detailed study of the advertising campaign being conducted by some specific manufacturing institution. (HOLMES)

176 RETAIL ADVERTISING 3 credits

Second semester

The course includes a study of retail advertising for the large department store and chain system, as well as for the small, independent concern. A study is made of advertising media appropriate for use in the different types of stores. The student will be given opportunity to practice writing newspaper and direct mail advertisements, and will be expected to lay out a model retail advertising campaign. Prerequisite: Bus. 175 or Bus. 129. (HOLMES)

178 RISK BEARING AND INSURANCE 3 credits

Second semester

Nature of risk; risks of capital; cost of risk; methods of dealing with risk; speculation, investment and gambling; technique of the securities market, the Board of Trade, and the New

York Stock Exchange; business forecasting and risk; the business cycle; the nature of insurance; life insurance, principles and practices and problems; property insurance; rating methods and policy contracts; Lloyds, industrial insurance; surety. (Omitted, 1928-29) (———)

181-182 ADVANCED ACCOUNTING 3 credits Each semester

A study of accounting methods and problems in partnership, corporation and other forms of business organizations. Also branch house, agency and venture accounting, accounting for installment sales, insolvent and bankrupt concerns, consolidations, mergers and holding companies, estate and fiduciary accounting, actuarial science. Lectures, text, and quiz. Prerequisite: Bus. 81-82. Text: Finney, *Principles of Accounting*, Vols. I and II. (WILDE)

183 AUDITING 3 credits First semester

A study of the principles of auditing; the auditor's qualifications; detailed balance sheet and special audits; working papers; procedure of the audit; liability of auditors and auditors' reports. Open to advanced accounting students. Lectures, text, quiz. Text: Bennett, *Principles of Auditing*. (WILDE)

184 C. P. A. PROBLEMS AND PRACTICE 3 credits Second semester

No text is used but problems have been selected from various C. P. A. and state accounting examinations. These problems are assigned for outside preparation, the student endeavoring to solve them in a limited time. In the laboratory period each week, a problem will be assigned to be solved within the actual time allotted. Lectures cover a discussion of problems and of assigned questions. Prerequisites: Bus. 81-82, 181-182, 185-186. (WILDE)

185n-186 COST ACCOUNTING 2 credits Each semester

A study of the elements of cost of manufacture, distribution of direct and indirect expenses, cost on production orders and manufacture for stock. Set of cost accounts is kept. Lectures, text, laboratory. This course should be taken in conjunction with Advanced Accounting. Text: Walton, *Cost Accounting*. (WILDE)

187n-188 FEDERAL INCOME TAX ACCOUNTING

2 credits Each semester

A study of the principles and application of the Federal Income Tax law. The 1924 Income Tax Act will be used. Lectures, text, problems. Prerequisite: Bus. 81 or equivalent. (WILDE)

192 METHODS IN COMMERCIAL TEACHING

3 credits Second semester

The course of study of the high-school commercial department. Methods and practice-teaching in shorthand, typewriting, bookkeeping and accounting, commercial arithmetic, commercial

law, commercial geography, and related subjects. Study and comparison of textbooks. The preparation and equipment of the commercial teacher. This course is open only to students who have taken or are taking Bus. E-F, 81-82, 61-62, and 65-66 or their equivalents. (REIERSON)

196 THESIS Credits to be arranged Second semester

The preparation of a rather elaborate business study representing the results of investigation and analysis. Topics are selected with the advice of the member of the staff in charge of the student's major. Conferences, group meetings, discussion. (STAFF)

Primarily for Graduates

203 BUSINESS CONDITIONS 3 credits First semester

For students preparing for executive positions in business. The work of this course covers a study of fundamental economic and business conditions with particular reference to western industries and enterprises. Each student will investigate a specific industry and the extent to which it is modified by such factors as the tariff, transportation costs, state and federal legislation, labor conditions, and the like. Practice will be given in plotting and graphing the results of these investigations, which will be correlated to form the bases of a series of index numbers. It is expected that portions of the work will be issued from time to time as special bulletins of the School. Open only to advanced students. Because of limited facilities and materials, enrollment is restricted to twelve. Given in alternate years. (Omitted, 1928-29) (DALE, SUTTON)

204 BUSINESS SURVEYS 3 credits Second semester

An analysis and interpretation of fundamental economic and business conditions. A comparison of general business conditions with conditions in particular industries. Area surveys involving studies of the relationship between selected basic industries and business conditions in general. (SUTTON)

211-212 SEMINAR IN BUSINESS

Credits to be arranged Each semester

This course is open only to graduate students. The topic for investigation and discussion will be selected from the field in which the student is engaged. (FARMER)

222 THE ECONOMICS OF THE EXTRACTIVE INDUSTRIES

3 credits Second semester

A research course in which students may investigate special economic or business management problems peculiar to the agricultural, lumber, or mineral industries. (ENGLE)

CHEMISTRY*

Professor VON ENDE, Professor KOSTALEK, Assistant Professors CADY, DUSAULT, CONE, Mr. MARTIN, Mr. BILLINGTON

A laboratory period consists of three consecutive hours.

Students who wish to qualify fully in the fundamentals of chemistry should take no less than the following courses: Chem. 1, 2, 3, 4, 101, and 102.

Primarily for Undergraduates

1 GENERAL CHEMISTRY 4 credits First semester

Experimental lectures, quizzes and laboratory work. The laboratory work consists of a selection of representative experiments, including quantitative. Textbooks: Holmes' *Introductory College Chemistry*, University of Idaho *Laboratory Outline*. Two lectures, one quiz, and two laboratory periods a week. Lecture Sections: I, II. Laboratory Sections: I, II, III, IV, V, VI, VII, VIII, IX. Quiz Sections: A, B, C, D, E, F, G, H, J, and K. (VON ENDE, KOSTALEK, CADY, DUSAULT, CONE, MARTIN, BILLINGTON. Given also at the Southern Branch)

2 GENERAL CHEMISTRY 4 credits Second semester

Continuation of Chem. 1. The laboratory work consists of an *introduction* to qualitative analysis, as a means of studying the general chemistry of cations. Sections as in Chem. 1. Courses 1 and 2 include about twenty-five problems each. Prerequisite: Chem. 1. (Given also at the Southern Branch)

3 QUALITATIVE AND GRAVIMETRIC ANALYSIS

4 credits

First semester

Theory and practice of analysis, with experiments in advanced inorganic chemistry fundamental to the theory of reactions in water solution. The laboratory practice also includes the qualitative separation of metallic radicals (cations) and acidic radicals (anions), with the gravimetric estimation of a number of selected cations and anions, accompanied by laboratory quizzes, equation writing and problems. Textbooks: A. A. Noyes' *Qualitative Chemical Analysis*; Stieglitz's *Theoretical Qualitative Analysis*; and McPhail Smith's *Quantitative Chemical Analysis*. Two class and two laboratory periods a week. Laboratory Sections I and II. Prerequisites: Chem. 1 and 2. (CADY, CONE. Given also at the Southern Branch)

4 QUANTITATIVE ANALYSIS (VOLUMETRIC)

4 credits

Second semester

Continuation of Chem. 3. The laboratory work consists largely of volumetric analysis, including about thirty problems; Mc-

*For the Chemical Engineering curriculum, see page 76. For courses in agricultural chemistry and soil chemistry, see Agricultural Chemistry.

Phail Smith's *Quantitative Chemical Analysis*, and Stieglitz's *Theoretical Qualitative Analysis*. Periods per week and sections the same as for Chem. 3. Prerequisites: Chem. 1, 2, and 3. (CADY, CONE. Given also at the Southern Branch)

11-12 ELEMENTS OF ANALYSIS 2 credits Each semester

The courses consist of laboratory practice in chemical analysis, with experiments in advanced inorganic chemistry, accompanied by equation writing, problems, and quizzes. The first semester is devoted to both qualitative and gravimetric analysis, the second largely to volumetric analysis. Textbooks: A. A. Noyes' *Qualitative Chemical Analysis*, McPhail Smith's *Quantitative Chemical Analysis*. Two laboratory periods a week. Prerequisites: Chem. 1 and 2. (CADY, CONE)

13 ORGANIC CHEMISTRY 4 credits First semester

(*With laboratory practice in quantitative analysis*). A condensed course of lectures, quizzes, and laboratory work, planned altogether for a special group of students in *Agriculture*, to meet their requirements for the courses in *Agricultural Chemistry*. One half of the laboratory time is devoted to quantitative methods of analysis. Two lectures and two laboratory periods a week. Prerequisites: Chem. 1 and 2. (KOSTALEK. Given also at the Southern Branch)

14 CARBON COMPOUNDS 3 credits Second semester

A course planned for students in *Home Economics*. Three class periods a week. Prerequisites: Chem. 1 and 2. (KOSTALEK)

15 ORGANIC CHEMISTRY 3 credits First semester

A condensed course planned altogether for students in *Foods and Nutrition*. Two class periods and one laboratory period a week. Prerequisites: Chem. 1, 2, 11, and 12. (KOSTALEK)

For Advanced Undergraduates and Graduates

101 ORGANIC CHEMISTRY 5 credits First semester

Three lectures a week on the general principles and theories of organic chemistry. The lectures are accompanied by two laboratory periods a week which include: four discussions of the fundamental operations employed in organic laboratory practice, the preparation of from ten to twelve types of organic compounds (together with a study of the physical and chemical characteristics of these and other types), and written quizzes. Textbooks: Norris' *Organic Chemistry* and Norris' *Experimental Organic Chemistry*. Prerequisites: Chem. 1, 2, 3, and 4. (KOSTALEK)

102 ORGANIC CHEMISTRY 3 credits Second semester

Continuation of Chem. 101. Two lectures a week, with one period of laboratory work including the preparation of five or

six aromatic compounds, and the quantitative determination of carbon and hydrogen. (KOSTALEK)

103 ADVANCED QUANTITATIVE ANALYSIS

2 or 4 credits

First semester

Laboratory work designed for students in mining engineering, chemical engineering, and such students as may desire to continue quantitative analysis beyond Chem. 4. Two or four laboratory periods a week. Prerequisites: Chem. 1, 2, 3, and 4. (CADY)

104 SPECIAL QUANTITATIVE ANALYSIS

1 to 4 credits

Second semester

Laboratory work one three-hour period a week for each credit. Prerequisites: Chem. 1, 2, 3, and 4. (CADY)

105-106 THEORETICAL AND PHYSICAL CHEMISTRY

3 credits

Each semester

Lectures treating states of aggregation, molecular and atomic hypothesis, structure of the atom, solution, chemical statics and kinetics, electro-chemistry and thermo-chemistry. Laboratory work includes determinations of molecular weight, electrolytic conductivity, electrolytic potential, (including H-ion concentration), transference, rate of reaction, viscosity, surface tension, solubility, and calorimetry. Two lectures and one laboratory period a week. Prerequisites: Chem. 1, 2, 3, and 4; at least first-year college physics; and Math. 21 and 22. (VON ENDE)

107 INDUSTRIAL CHEMISTRY

4 credits

First semester

Two lectures or quizzes a week on the fundamental procedures of chemical engineering. Textbooks: Walker, Lewis and McAdam's *Principles of Chemical Engineering*, Griffin's *Technical Methods of Analysis*. Two laboratory periods a week, devoted altogether to quantitative specialized technical analysis. Prerequisites: Chem. 1, 2, 3, 4, 101, and 102. (KOSTALEK, CADY)

108 INDUSTRIAL CHEMISTRY

2 credits

Second semester

Continuation of Chem. 107, and includes a discussion of several typical commercial chemical industries. Two lectures or quizzes a week. Suggested text-book: Roger's *Manual of Industrial Chemistry*. 2 vols. (KOSTALEK)

109-110 THESIS

1 to 3 credits

Each semester

111-112 BIOCHEMISTRY

4 credits

Each semester

Lectures and recitations on the chemistry of the lipins, carbohydrates, proteins, colloidal state, enzymes, digestion, tissues, blood, milk, putrefaction, urine, and metabolism. The laboratory work consists of qualitative and quantitative experiments on the lecture material with special emphasis on the fundamental pro-

cedures of biochemical laboratory practice. Textbooks: Bodansky's *Physiological Chemistry*, and Smith and Cowgill's *Laboratory Directions for Physiological Chemistry*. Two class and two laboratory periods a week. Prerequisites: Six to eight credits in biology and Chem. 1, 2, 11, 12, 101, and 102 or 15; or 1, 2, 3, 4, 101, and 102. (Cady)

- 121 FOOD ANALYSIS 2 or 3 credits Either semester
A laboratory course in the principles of food analysis with weekly conferences. Practice is given in the chemical and microscopic examination of the more common food products, with emphasis placed on the interpretation of analytical results. Textbook: Woodman's *Food Analysis*. Two or three laboratory periods a week. Prerequisites: Chem. 1, 2, 3, 4, 101, and 102, or 1, 2, 11, 12, and 15. (—————)

Primarily for Graduates

- 201-202 ADVANCED ORGANIC CHEMISTRY
1 to 3 credits Each semester
Lectures and quizzes on the theories of organic chemistry. Textbook: *Theories of Organic Chemistry*, Henrich-Johnson and Hahn. Laboratory work consists of special preparations and advanced quantitative organic analysis. The laboratory work may be taken without the lectures, in the case of qualified students. (KOSTALEK)

- 203-204 RESEARCH 2 to 4 credits Each semester
It is intended to place at the disposal of mature and properly qualified students, for purposes of investigation, the working and instructional facilities of the department.

DEPOSITS.—A deposit to cover breakage and materials is required each semester.

CIVIL ENGINEERING

Professor CRAWFORD, Assistant Professors CARTER and HOWARD,
Mr. BUCHANAN, Mr. DARWIN

Primarily for Undergraduates

- 1 ENGINEERING DRAWING 4 credits First semester
Freehand lettering; use of drawing instruments; orthographic projections; isometric and oblique drawings; working drawings. One recitation and nine hours in drafting room. (Given also at the Southern Branch)
- 11 ENGINEERING DRAWING 3 credits First semester
For forestry students only. Covers same ground as C. E. 1. Six hours in drafting room; one recitation. (Given also at the Southern Branch)

- 2 DESCRIPTIVE GEOMETRY 3 credits Second semester
Advanced orthographic, auxiliary, and oblique views; problems on point, line, and plane; classification of surfaces; surface developments and intersections; tangent planes; warped surfaces. Applications to engineering problems. One recitation and six hours in drafting room. Prerequisite: C.E. 1. (Given also at the Southern Branch)
- 2a DESCRIPTIVE GEOMETRY 2 credits Second semester
For architectural students only. Orthographic projections; surface developments and intersections. One recitation and six hours in drafting room for the first twelve weeks.
- 3 PLANE SURVEYING 4 credits First semester
Theory and use of transit, level, plane table, and minor instruments. Land surveying. Government method of laying out public lands. One recitation and nine hours field work and computations. Forestry students are permitted to take this as a 3-credit course. Prerequisites: Math. 11 and C.E. 1. (Given also at the Southern Branch)
- 3a SURVEYING 2 credits Second semester
A brief course in the theory and use of the transit, level, and other instruments, for electrical, mechanical, and chemical engineering students. One recitation and three hours field work. Prerequisite: Math. 11. (Given also at the Southern Branch)
- 4 TOPOGRAPHIC SURVEYING 3 credits Second semester
A study of methods employed in making topographic surveys. The topographic survey of a given area, including calculations and the map. One recitation and six hours in the field and drafting room. Prerequisite: C.E. 3. (Given also at the Southern Branch)
- 6 MECHANICS (STATICS) 3 credits Second semester
Composition and resolution of forces; laws of equilibrium; stresses in frames; centers of gravity; moments and products of inertia; analytical and graphical methods of solution. Prerequisites: Math. 21 and Phys. 11. (Given also at the Southern Branch)
- 8 RAILROAD CURVES 1 credit Second semester
Simple, compound, reversed, and parabolic curves. A recitation and problem course. Prerequisite: C.E. 3. (Given also at the Southern Branch)
- 13 ENGINEERING PROBLEMS 1 credit First semester
Training in computation and analysis of engineering problems. One laboratory period. Prerequisite: To be taken with Math. 11. (Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 101 MECHANICS (DYNAMICS) 2 credits Either semester
A continuation of C.E. 6. Rectilinear motion; curvilinear motion; translation and rotation; work and energy; momentum and impulse. Prerequisites: Math. 21-22 and C.E. 6.
- 102 FRAMED STRUCTURES 3 credits Second semester
The calculation of stresses in statically determinate framed structures by algebraic and graphic methods. Two recitations and three hours in the drafting room. Prerequisite: C.E. 103.
- 103 MECHANICS OF MATERIALS 3 credits First semester
The elasticity of materials; stress and strain; the theory of flexure; strength of riveted joints; column theory; combined stress; fatigue of metals. Prerequisites: Math. 21-22 and C.E. 6.
- 104 HYDRAULICS 3 credits Second semester
The theory of hydrostatics and hydrodynamics; measurement of flow by weirs, orifices and current meters; friction in pipes; flow in pipes, conduits and canals; impulse and reaction wheels. Two recitations and one laboratory period. Prerequisite: C.E. 101.
- 105 ROADS AND PAVEMENTS 3 credits First semester
Location and surveys of highways. Earth, sand-clay, gravel, and broken stone roads; bituminous surface; concrete, brick, wood, stone, and asphalt and other bituminous pavements. Tests of road materials. Two recitations and three hours in laboratory. Prerequisites: C.E. 3 and 4.
- 106 REINFORCED CONCRETE THEORY 2 credits Second semester
Theory of stress distribution in reinforced concrete beams, slabs, and columns. Prerequisite: C.E. 103.
- 107 RAILROAD ENGINEERING 5 credits First semester
The principles of economic location and construction. A line is located, quantities are computed, profiles and a map drawn. Three recitations and six hours in the field and drafting room. Prerequisites: C.E. 3-4, 8.
- 109 MATERIALS TESTING LABORATORY 2 credits First semester
A study of the physical properties and the testing of steel, wrought and cast iron, timber, cement, and concrete. Six hours in laboratory. Prerequisite: C.E. 103, or to be taken with C.E. 103.
- 110 ADVANCED MECHANICS OF MATERIALS 2 credits First semester
Stresses in curved beams, hooks, flat plates and rings; deformations of structures; impact stresses; moment-area principles. Prerequisite: C.E. 103. Elective.

- 111 ROAD MATERIALS LABORATORY 2 credits Either semester
Investigations of road-making materials. Prerequisite: C.E.
105. Elective.
- 120 IRRIGATION 3 credits Second semester
Fundamental principles of irrigation engineering. Detailed
study of structures, as pipes, flumes, head-gates, and dams. Pre-
requisites: C.E. 103 and 104.
- 121 STRUCTURAL DESIGN 4 credits First semester
Design of steel and concrete bridges, steel office buildings,
and dams. Prerequisites: C.E. 102 and 106.
- 122 WATER SUPPLY 2 credits Second semester
Fundamentals of water supply engineering; choice of supply;
construction of dams; design of distributing system; elevated
tanks. Prerequisites: C.E. 103 and 104.
- 123 BRIDGE ENGINEERING 2 credits First semester
Bridge economics; methods of construction; specifications;
types of bridges. Prerequisite: C.E. 102, and to be taken with
C.E. 121.
- 124 CONTRACTS AND SPECIFICATIONS 2 credits Second semester
Brief statement of law of contracts and consideration of
general and technical clauses in engineering specifications. Pre-
requisite: senior standing.
- 125 SEWERS AND SEWERAGE 2 credits First semester
The principles involved in the design, construction, and main-
tenance of sewers and sewerage systems. Prerequisite: C.E. 104.
- 126 MASONRY AND FOUNDATIONS 5 credits Second semester
A study of cements; the proportioning of concretes; founda-
tions for bridges and buildings; retaining wall theory; arch
theory. Special emphasis is laid on the design of retaining walls
and masonry arches. Three recitations and six hours in the draft-
ing room. Prerequisites: C.E. 102 and 106.
- 127 WATERPOWER ENGINEERING 3 credits First semester
Hydrology and stream flow; conditions governing selection
of impulse wheels and reaction turbines; reservoirs and their re-
lation to power demands; economics of power development. Pre-
requisite: C.E. 104.
- 128 SEMINAR 1 credit Second semester
A study of technical periodicals and literature. Papers on
engineering topics are prepared, read, and discussed. Pre-
requisite: senior standing.
- 129 VALUATIONS AND RATES 2 credits First semester
The valuation of public utilities; principles and methods;
depreciation; rate base. Prerequisite: senior standing.

- 130 THESIS 3 credits Either semester
The problem in design or investigation. Open only to senior students of high standing.
- 132 INDUSTRIAL STRUCTURES 2 credits Second semester
The design and construction of industrial buildings of steel, wood, and concrete. Prerequisite: C.E. 121.
- 136 ESTIMATES AND COSTS 2 credits Second semester
The preparation of quantity surveys, cost estimates, and cost reports. Economic comparisons between different types of structures. Prerequisite: senior standing.

Primarily for Graduates

- 201 WATER PURIFICATION AND SEWAGE DISPOSAL 2 credits First semester
- 202 STATICALLY INDETERMINATE STRUCTURES 2 credits Second semester
- 219-220 ADVANCED STRUCTURAL DESIGN Credits to be arranged Either semester
Advanced reinforced concrete and steel design covering arch, cantilever and suspension bridges; steel framing of office buildings; foundations. Prerequisite: C.E. 202.

Attention of engineering students is called to Law 228, Irrigation Law.

CLASSICAL LANGUAGES

Professor AXTELL, Miss RENTFRO

The courses given in this department are intended for three classes of students, namely: A. Those in the Latin language; B. Those in the Greek language; and C. Those who wish, without learning the original languages, to know the literary and other works of the classical people inherent in modern civilization.

A. LATIN

The courses listed below are intended for students who wish to study Latin to fulfill their requirements in a foreign language, to major in the subject, or to secure elective credits. Under each course is noted the previous preparation requisite for it. The complete requirements for a Latin major are stated on page 54.

Students who wish chiefly an acquaintance with Roman history and institutions should elect History 14, Roman Civilization.

Primarily for Undergraduates

- 1n-2 FIRST-YEAR LATIN 4 credits Each semester
Open to all students. Besides preparing to read Latin the course deals especially with the Latin words, derivatives, prefixes, suffixes, phrases, and proverbs which form so large a part of English and other modern languages, and of the terminology of the natural and social sciences. Required in the Pre-Medical Curriculum. Recommended for pre-legal students. (AXTELL. Given also at the Southern Branch)
- 3-4 SECOND-YEAR LATIN 3 credits Each semester
Open to students who have had Latin 1-2 or the equivalent. Translation of easy selections from classic myths, stories from Roman history, and episodes from Caesar's *Gallic War*. In the second semester selections are read from Ovid's *Tristia* and *Metamorphoses*. Exercises in Latin writing, illustrating the new points of grammar and idioms met in translation. Continued study of English derivatives. (RENTFRO. Given also at the Southern Branch)
- 5-6 THIRD-YEAR LATIN 3 credits Each semester
Open to students who have had Latin 3-4 or the equivalent. Translation of selected orations of Cicero, investigation of his life, and study of Roman government constitute the work of the first semester. In the second semester Vergil's *Aeneid* is translated in part and the principles of his poetry are studied. (RENTFRO. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 101 HORACE 3 credits First semester
Open to those who have had Latin 5-6 or the equivalent. Selected *Odes* and *Satires* which show Horace's career, literary development and character, are read. Study of the principles of Roman lyric poetry. Investigation of the culture of the court of Augustus. (Not given in 1928-29.) (AXTELL)
- 102 LIVY 3 credits Second semester
Open to those who have had Latin 5-6 or the equivalent. Translation of selections from Livy's *Ab urbe condita*. Study of the principles of Latin narrative. (Not given in 1928-29.) (AXTELL)
- 103n-104 PROSE COMPOSITION 2 credits Each semester
Open to those who have had Latin 5-6 or the equivalent. Systematic exercises affording a thoro review of Latin grammar. Best studied in connection with either Latin 101-102 or Latin 105-106. Required for a recommendation to teach Latin. (AXTELL)

- 36 CLASSICAL ART 2 credits Second semester
A study of the development of Greek and Roman sculpture and painting. Recognition of famous examples found in modern galleries and museums. (AXTELL)

NOTE.—History 13, Greek Civilization, and History 14, Roman Civilization, are courses giving a rapid survey of the history and main institutions of Greece and Rome. See under History.

DAIRY HUSBANDRY

Professor ATKESON, Associate Professor THEOPHILUS,
Mr. ANDERSON and Mr. HANSEN

These courses are so arranged that the student may specialize either in dairy production or in dairy manufacturing.

Primarily for Undergraduates

- 2 ELEMENTS OF DAIRYING 4 credits Second semester
General survey of the dairy industry in Idaho and the United States. History of the development of the industry in all phases of production and manufacturing. Discussion of production and manufacturing processes. Secretion, composition, and properties of milk; tests for butterfat, specific gravity, and sediment; methods of separation and handling of milk; cream ripening and churning on the farm. Required of freshmen. Three recitations and one three-hour laboratory period each week. (ANDERSON)
- 3 MILK PRODUCTION 3 credits First semester
Study of the principles and practices involved in the production of milk. General study of dairy breeds and the care and management of the dairy herd. Required of majors in dairy husbandry. Two lectures and one three-hour laboratory period a week. Prerequisite: D.H. 2. (ATKESON, ANDERSON)

For Advanced Undergraduates and Graduates

- 105 DAIRY-CATTLE JUDGING 2 credits First semester
A study of the types of the various breeds of dairy cattle, with comparative judging. Prerequisite: D.H. 3. (ATKESON)
- 107 ADVANCED DAIRY-CATTLE JUDGING 1 credit First semester
Continuation of D.H. 105. (ATKESON)
- 108 HISTORY OF BREEDS AND DAIRY-CATTLE BREEDING 3 credits Second semester
Study of the history, development, and modern blood lines of the Ayrshire, Guernsey, Holstein and Jersey breeds of cattle; study of the principles of breeding as practiced today, and the formation of definite breeding policies for a herd. Prerequisite: D.H. 3 (ATKESON)

- 109 JUDGING DAIRY PRODUCTS 1 credit First semester
A study of quality and market standards in dairy products, including practice in scoring butter, cheese, ice cream, milk, and cream. Three one-hour laboratory periods a week. Prerequisite: D.H. 2. (THEOPHILUS)
- 111 ADVANCED DAIRY-PRODUCTS JUDGING 1 credit First semester
Continuation of D.H. 109. (THEOPHILUS)
- 113 ADVANCED TESTING 1 credit First semester
Various tests, such as tests for moisture, fat, salt, adulterants, etc., in butter, cheese, ice cream, condensed milk, etc. Required of majors in dairy husbandry. One two-hour laboratory period each week. Prerequisite: D.H. 2. (THEOPHILUS)
- 114 MARKET MILK 3 credits Second semester
A study of the sanitary handling of market milk, methods of pasteurization and inspection, certified milk, grading and scoring milk and milk plants, milk ordinances, the relation of milk to disease, bacteriology of milk. Two lectures and one three-hour laboratory period a week. Prerequisites: D.H. 2 and 113. (THEOPHILUS)
- 116 CHEESE-MAKING 4 credits Second semester
Methods of manufacture of cheddar, Neufchatel, cottage and other types of cheese. Required of juniors or seniors in dairy husbandry. Two lectures and one six-hour laboratory period a week. Prerequisite: D.H. 2 and 113. (THEOPHILUS, HANSEN)
- 117 CREAMERY BUTTER-MAKING 4 credits First semester
Factory methods of butter-making, including grading, pasteurization, ripening and churning cream, and packing butter. Required of juniors or seniors in dairy husbandry. Two lectures and one one-hour laboratory in the afternoon with a four-hour laboratory the following morning. Prerequisites: D.H. 2 and 113. (THEOPHILUS, HANSEN)
- 118 ICE CREAM AND ICES 3 credits Second semester
A study of the principles involved and practice in the making of ice cream and other frozen products. Elective for juniors and seniors in dairy husbandry. Two lectures and one three-hour laboratory period a week. Prerequisite: D.H. 2 and 113. (THEOPHILUS, HANSEN)
- 120 DAIRY-CATTLE FEEDING AND MANAGEMENT 4 credits Second semester
A study of the breeding, care, and feeding of dairy stock, the planning and arrangement of dairy buildings, the management of purebred herds, fitting for show, feeding for official records, sales and advertising, cattle photography. Required of sen-

iors in dairy husbandry. Two lectures and one one-hour laboratory and one three-hour laboratory period a week. Prerequisites: D.H. 2 and 3. (ATKESON)

121 FACTORY MANAGEMENT 2 credits First semester
The location, construction, organization, and management of creameries, cheese and ice-cream factories, and city milk plants, including a study of power, refrigeration, and advertising. Two lectures a week. Prerequisites: D.H. 2 and 105. (THEOPHILUS)

125 MILK TECHNOLOGY 2 credits First semester
Composition of dairy products; methods of manufacture of condensed milk, powdered milk, casein, milk sugar, and other dairy by-products. Two lectures a week. Prerequisites: D.H. 2, 113, and 114. (THEOPHILUS)

129-130 SEMINAR 1 credit Each semester
A study of dairy problems and review of literature. Papers are prepared and class reports given. Required of juniors or seniors. (THE STAFF)

131-132 UNDERGRADUATE RESEARCH
Credits to be arranged Each semester
Students with ability to do independent work may be assigned special problems in some phase of dairy production or dairy manufacture. (ATKESON, THEOPHILUS)

133-134 THESIS 1 credit Each semester
Subjects must be chosen and filed with the head of the department not later than the first Monday in November preceding graduation, and typewritten copies must be filed with the librarian on or before the third Monday in May. Required for graduation in dairy husbandry. (ATKESON)

Primarily for Graduates

229-230 GRADUATE SEMINAR 1 credit Each semester

231-232 GRADUATE RESEARCH Credits to be arranged Each semester
Experimental work in either dairy production or dairy manufacturing, to be written up in the form of a thesis. (ATKESON, THEOPHILUS)

NOTE.—Attention of students in dairy husbandry is called to the course in Dairy Bacteriology (Bact. 106) and Chemistry of Dairy Products (Agr. Chem. 106).

DRAMATICS

(See under English)

ECONOMICS AND POLITICAL SCIENCE

(SOCIOLOGY)

Professor DALE, Associate Professor KERR, Messrs. SUTTON, PITTMAN,
and NICHOLSON

Primarily for Undergraduates

11-12 PRINCIPLES OF ECONOMICS 4 credits Each semester

A study of the fundamental principles of economics with applications. The course is conducted by means of lectures, a textbook, and two informal quiz sections each week. This is a general course required of sophomores in the School of Business Administration, but open to all students in the university above the freshman year. (DALE, SUTTON, NICHOLSON. Given also at the Southern Branch)

13 AGRICULTURAL ECONOMICS 3 credits First semester

The fundamental principles of economics in their application to agriculture. Special reference is given to factors affecting prices of producing and distributing farm products. Other topics considered are: farm tenancy, labor, wages, rent, equipment, agricultural credit, interest rates, and profits. Each student will make a special study of some problem in the field of agricultural economics. (ENGLE. Given also at the Southern Branch)

14 MARKETING FARM PRODUCTS 3 credits Second semester

A study of the fundamental principles of marketing farm products. The market functions of assembling, grading, storing, transporting, financing, selling and buying, and information dissemination will form the outline of the course, which will be filled in by the study of the marketing procedure for the principal farm commodities. Each student makes a detailed study of some one commodity. Cooperative marketing; purchasing farm supplies. (ENGLE)

21-22 AMERICAN GOVERNMENT 3 credits Each semester

An introductory course covering the practical workings of American federal and state government. In the first part of the course, attention is given such subjects as the distribution of the powers of government, the organization and functions of the federal executive, congress, the judiciary, etc. In the second part the emphasis is placed on the organization and activities of political parties and on practical politics. Primarily for freshmen and sophomores. (KERR, PITTMAN. Given also at the Southern Branch)

29 PARLIAMENTARY LAW 1 credit First semester

A study of the proper methods of organizing and conducting public and social gatherings and practice in presiding over assem-

blies. Open to all students. Text, lectures, drill, and solution of problems. (KERR)

For Advanced Undergraduates and Graduates

- 105 MONEY AND BANKING 3 credits First semester
Origin and nature of the different monetary systems (bi-metalism, gold standard, silver standard, limping standard, gold exchange standard, paper standard) and of the different moneys which constitute these systems (coinage, government and bank paper money, credit money). History of money in the United States. The monetary systems of leading nations. Causes of changes in the purchasing power of money; the quantity theory; Fisher's equation of exchanges; cause affecting prices outside the equation of exchange; consideration of price changes 1500-1914; prices in the United States and Europe since 1914; effects of rising and falling prices; price changes and the business cycle; effects of rising and falling prices; the need for stabilized prices. Foreign exchange; causes of changes in the rates of exchange; the regulation of the exchange under the gold standard; the purchasing power parity theory; exchange rates since 1914; effects of rising and falling exchange rates; the need for stabilized exchanges. Monetary reform; the return to the gold standard; Fisher's compensated dollar; the controlled gold standard; the abolition of the gold standard. (FARMER)
- 106 MONEY AND BANKING 3 credits Second semester
Continuation of Econ. 105. Functions of commercial banks. Development of the American commercial banking system; state banking, the national banking system, the Federal Reserve system; foreign banking systems; Federal Reserve policy; bank supervision; the guarantee of bank deposits; branch banking; banking operations; foreign exchange operations; agricultural credit institutions. (FARMER)
- 109 PUBLIC FINANCE 3 credits First semester
Sources of public revenue; federal, state, and local taxation; current tax problems; new forms and canons of taxation, the expenditure of public money, budget systems. The course includes a study of the financial administration of the State of Idaho. Especially intended for students preparing for public service. Offered in alternate years. (———)
- 111 LABOR PROBLEMS 3 credits First semester
The nature, genesis, and development of modern labor problems such as unemployment, wages, hours of labor, woman and child labor, industrial accidents. The history, growth, policies, and practices of trade unions with special reference to the United States. Study of agencies of industrial peace; conciliation, media-

tion, arbitration, profit and ownership sharing, employee representation. (SUTTON)

123 STATE GOVERNMENT IN THE UNITED STATES

3 credits

First semester

A study of state administration and legislation, with particular reference to recent tendencies, such as the executive budget system, administrative consolidation, cooperation with the federal government, and the like. The course will include a careful study of Idaho state government. Prerequisite: Econ. 21-22. (KERR)

124 CITY AND COUNTY GOVERNMENT

3 credits

Second semester

This course deals with the governmental problems of the American city, town, and county. Attention is given such subjects as municipal organization, finance, police, public works, etc. Special emphasis is laid on the various efforts to reform city and county government, such as the commission plan, the city-manager plan, and the county-commission plan. Idaho city and county problems of government are analyzed and discussed. Prerequisite: Econ. 21-22. (KERR)

125 COMPARATIVE GOVERNMENT 3 credits

First semester

A comparative study of the governments, parties, and administrative systems of the leading countries of the world. Emphasis will be given to the recent changes in the governmental systems of continental Europe. Term paper. Prerequisite: Econ. 21-22. (KERR)

126 THEORY OF THE STATE 3 credits

Second semester

A study of the nature, origin, form, and functions of the state, tracing its development from the earlier stages of civilization to the present. Emphasis will be placed on the enlarged functions of government. Modern theories of the state, including the democratic, anarchistic, socialistic and others, will be studied in detail. Term paper. Prerequisite: Econ. 21-22. (KERR)

132 POLITICAL PARTIES AND PARTY POLITICS

2 credits

Second semester

A study of the development, organization, and function of political parties in the United States with special attention to party machinery, the boss, party caucus, direct primary, nominating conventions, campaigns, ballot and election laws. Emphasis will be placed on such problems as the influence of politics on legislative bodies, imperialism on party politics, non-partisanship, congressional blocs, party leadership, and the outlook for party reform. Prerequisite: Econ. 21-22. (Omitted, 1928-29) (KERR)

141-142 PRINCIPLES OF SOCIOLOGY 3 credits

Each semester

An introductory course covering the nature and evolution of sociology. In the first semester emphasis is placed on the social

forces and the laws of association, exploitation, competition, adjustment, cooperation, and the like, as they affect social progress. In the second semester special attention is given the social products, including the family, the state, the industrial group, and the public school. Special study is also made of such problems as defectiveness, poverty, crime, and the social classes. Lectures, text, assigned readings, term paper. Primarily for juniors and seniors. Prerequisites: Six credits in approved courses in the social sciences. (KERR)

- 145 RURAL SOCIOLOGY 3 credits First semester
Study of the rural social problems and institutions of Idaho. Rural education, religion, recreation, tenancy, isolation, rural health, the declining village, farmers' cooperatives, the "rural mind", rural leadership and community building. (———)

- 159 HISTORY OF ECONOMIC THOUGHT 3 credits First semester
A study of the nature, importance, origin, and development of economic thought. The course includes an examination of the outstanding economic concepts from antiquity to the present time. Special emphasis is laid on the more recent developments, including the writings of the classical economists, the continental economists, and the more recent psychological and institutional group. (SUTTON)

- 173 TRUSTS 3 credits First semester
A study of the history and organization of the modern trust. Special attention will be given to the following: the effect of trusts on prices; analysis of leading trusts; anti-trust legislation; supreme court decision involving trusts; the future of trusts in America. Open to properly qualified juniors and seniors. (Omitted 1928-29). (KERR)

Primarily for Graduates

- 211-212 SEMINAR IN POLITICAL SCIENCE
Credits to be arranged Each semester
This course is open only to graduate students. The topics for investigation and discussion will be selected from the field in which the student is engaged. (KERR)

- 213-214 SEMINAR IN ECONOMICS
Credits to be arranged Each semester
This course is open only to graduate students. Material and topics to be selected. (DALE)

- 215-216 RESEARCH IN AGRICULTURAL ECONOMICS
Credits to be arranged Each semester
This course is open only to graduate students. Intended pri-

marily for graduates of the College of Agriculture who are working for a master's degree. (ENGLE)

NOTE.—Attention of students of Economics is called to the courses in Economic Geography (Geol. 22 and 31) and Economic History (Hist. 6).

EDUCATION

Professors MESSENGER and RUSSELL, Associate Professor LATTIG,
Assistant Professor MCCOY, MR. NELSON

Students who expect to teach after two years of college work should take Courses 1, 2, 5, and 133.

Primarily for Undergraduates

- 1 INTRODUCTION TO EDUCATION 2 credits First semester
A general introductory course for those who have made no professional study of education. It seeks to cultivate an attitude favorable to the scientific investigation of educational problems. In order to accomplish this end it touches on a wide variety of topics, gives results of scientific studies that have been made, and raises vital questions for further study. Open to freshmen and sophomores. (MCCOY. Given also at the Southern Branch)
- 2 SCHOOL-ROOM MANAGEMENT 2 credits Second semester
A study of the practical class-room problems of the teacher, including such topics as discipline, classification of students, the marking system, technique of teaching, and professional growth. Open to freshmen and sophomores. (RUSSELL. Given also at the Southern Branch)
- 5 IDAHO LAW, MANUAL, AND CIVICS 3 credits Either semester
Idaho school law, the state manual and course of study, and the civil government of Idaho. Required of all who wish to be recommended for a certificate. (MCCOY. Given also at the Southern Branch)
- 7 PRINCIPLES OF TEACHING 3 credits First semester
This is a course in methods of teaching, intended primarily for students who have not had psychology. It involves a brief survey of the elements of psychology as they affect the work of the classroom teacher. (NELSON)
- 9 METHODS OF STUDY 1 credit First semester
This course is intended to help the freshman to be a better student. It consists of readings and lectures on such topics as note-taking, outlining, using the library, organization of papers, economy and distribution of time, planning one's course of study, concentration, reviewing, etc. It is required of all freshmen in the School of Education. (RUSSELL. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

101 ELEMENTARY SCHOOL SUPERVISION

3 credits

First semester

This course is intended for those preparing to be critic teachers, supervisors, and principals of elementary schools. Those preparing to be superintendents should also take the course. Among the topics covered are: critical evaluation of teaching the elementary school subjects in light of researches; curricular researches and their implications; study habits and provisions for supervised study; selection of textbooks; classification and promotion; provision for individual differences. (RUSSELL)

105-106 HISTORY OF EDUCATION 3 credits

Each semester

A survey of the development of educational ideals and practices from the age of primitive man to the present. The purpose is to consider what has been thought and tried in the past and use the information thus gained in evaluating the theories and practices of today. (MESSENGER)

111 THE JUNIOR HIGH SCHOOL 3 credits

First semester

A study of the fundamental principles of present-day reorganization of high-school education, with special emphasis upon the junior high school organization, administration, and method of instruction. Prerequisite: six credits in Education. (RUSSELL)

113 PRINCIPLES OF SECONDARY EDUCATION 3 credits

First semester

A study of high-school education from three points of view: (a) the high-school pupil and his characteristics; (b) the high school as an institution and its relation to society and to other educative institutions; (c) the high school course of study, especially as regards the aims and values of the different subjects. The question of methods of teaching is treated only incidentally and those who wish to pursue that topic should take Education 114. Prerequisite: six credits in Education. (RUSSELL)

114 HIGH-SCHOOL METHODS 3 credits

Second semester

This is a course in the practical problems of teaching technique. It seeks, however, to establish fundamental principles of procedure rather than specific formulae. Some sample topics are: the selection and organization of subject matter; adapting instruction to individual differences; the use of books; lecture, laboratory, demonstration and conversational methods; supervised study; measuring results; lesson planning. Prerequisite: six credits in Education. (RUSSELL)

131 OBSERVATION AND TEACHING IN HIGH SCHOOL

1 to 4 credits

Each semester

To be arranged with the director of practice teaching and the dean of the School of Education.

- 133 OBSERVATION AND TEACHING IN ELEMENTARY SCHOOL
1 to 4 credits Each semester
To be arranged with the director of practice teaching and the dean of the School of Education.
- 135 OBSERVATION AND TEACHING IN PUBLIC SCHOOL MUSIC
1 credit Either semester
- 157 OBSERVATION AND TEACHING IN HOME ECONOMICS
(H.Ec. 157) 3 credits Either semester
- 155 OBSERVATION AND PRACTICE IN TEACHING AGRICULTURE
1 to 5 credits Second semester
(Agr. Ed. 155) (LATTIG)
- 153 METHODS OF TEACHING HIGH SCHOOL AGRICULTURE
3 credits First semester
(Agr. Ed. 153.) (LATTIG)
- 151 RURAL LIFE AND EDUCATION 3 credits First semester
(Agr. Ed. 151.) (LATTIG)
- 152 VOCATIONAL EDUCATION 2 credits Second semester
(Agr. Ed. 152.) (LATTIG)
- 154 VISUAL PRESENTATION 2 credits Second semester
(Agr. Ed. 154.) (LATTIG)

Primarily for Graduates

- 203 EDUCATIONAL MEASUREMENTS 3 credits First semester
Recent movements seek not to eliminate opinion but to support it by scientific evidence. This course acquaints the student with the machinery used in such investigations and develops skill in its use. The use of "Standardized Tests" in actual classrooms to determine school efficiency is included. For graduate students, and advanced undergraduates by permission. (RUSSELL)
- 204 SCHOOL ADMINISTRATION 3 credits Second semester
An introductory course dealing with the problems of school organization, administration, and supervision. The following topics will be considered: units of control; school costs and support; equipment; the classification of pupils; measurement of class-room achievements. For seniors and graduates. (—)
- 205-206 SCHOOL SURVEYS 3 credits Each semester
A review of recent surveys in cities, counties, and state, emphasizing the importance of measuring educational efficiency. For graduate students. (—)
- 207-208 SUPERVISION OF INSTRUCTION 3 credits Each semester
In small cities a large and important part of the superintendent's work consists of the supervision of instruction. This

course is intended to help those preparing for superintendencies to be able to improve their teachers while in service. It will include references to the most common sources of weakness in teachers and a study of the methods of strengthening the daily instruction. Open to graduate students, and by permission to other advanced students of Education who have had experience in teaching. (MESSENGER)

210 PHILOSOPHY OF EDUCATION 3 credits Second semester

The aim of this course is to bring together and unify the facts and principles elaborated in various fields of education, to think beyond the technique of school practices, to define some educational objectives, and to discover the meaning and place of education in the social structure of which we are a part. For seniors and graduates. (MESSENGER)

211 CURRICULUM CONSTRUCTION 3 credits First semester

A study of the curriculum from three points of view: (1) principles that should govern the selection of subject matter; (2) actual scientific studies that have been made regarding the place and value of different subjects; (3) the methodology of research involved in scientific curriculum construction. (RUSSELL)

251-252 SEMINAR IN AGRICULTURAL EDUCATION Each semester
(LATTIG)

253-254 RESEARCH IN AGRICULTURAL EDUCATION
1 to 4 credits Each semester
Results of the study will be presented in a thesis. (LATTIG)

260 SCIENTIFIC METHODS IN EDUCATION 3 credits Second semester

This is a course in methods of research, experimentation, and investigation. It should be useful to those who expect to do research for a thesis and also those who wish to apply scientific methods of investigation in their own schools after they begin to teach. The essential principles of experimental and statistical procedure are applied to actual investigations carried out by the class. The class experiments will be devoted to the evaluation of different methods of study and teaching. (RUSSELL)

261-262 EDUCATIONAL RESEARCH

Credits to be arranged Each semester

This is for students working for the master's degree. It is done under the direction of the professor in whose subject the greater part of the work is offered. All research students will meet once a week for discussion of problems. Members of the faculty will be present and take part.

ELECTRICAL ENGINEERING

Professor JOHNSON, Assistant Professor FARRAR

Primarily for Undergraduates

- 21 ELEMENTS OF RADIO-TELEGRAPHY 2 credits First semester
An elementary course dealing with the fundamentals of direct and alternating currents in their application to radio-telegraphy, and practical work in the handling of radio apparatus. Two recitations a week. Open to all students who have completed high-school physics. Elective.
- 22 ELEMENTARY ELECTRICAL ENGINEERING 3 credits Second semester
Study and problems in the fundamentals of electrical engineering. Prerequisite: Phys. 11. (Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 131 DIRECT CURRENT MACHINERY AND DISTRIBUTION 2 credits First semester
A study of the theory, construction, and operation of direct current generators and motors, and the calculation of distribution systems for light and power. A general introductory course for civil, chemical, and mining engineering students. Prerequisite: Phys. 11-12.
- 132 ALTERNATING CURRENT MACHINERY AND LABORATORY 2 credits Second semester
A general course in continuation of E.E. 131, treating of alternating current machinery and circuits. One recitation and one three-hour laboratory period. Prerequisite: E.E. 131.
- 133 DIRECT CURRENT MACHINERY 3 credits First semester
An elementary course considering the fundamentals of electrical engineering particularly as applied to direct current machinery. Required of junior electrical and mechanical engineers. Prerequisite: Phys. 11-12.
- 134 ALTERNATING CURRENT MACHINERY 3 credits Second semester
A continuation of E.E. 133, dealing with alternating current circuits and machinery. Prerequisite: E.E. 133.
- 135 ELECTRICAL ENGINEERING LABORATORY 2 credits First semester
The use of instruments, the testing and operation of direct current machinery and apparatus. Primarily for electrical students. To accompany E.E. 133.

- 135a ELECTRICAL ENGINEERING LABORATORY
2 credits First semester
Same as E.E. 135, but designed for non-electrical students.
- 136 ELECTRICAL ENGINEERING LABORATORY
2 credits Second semester
The use of instruments, the testing and operation of direct and alternating current machinery and apparatus. For electrical students. To accompany E.E. 134.
- 136a ELECTRICAL ENGINEERING LABORATORY
2 credits Second semester
Testing and operation of alternating current machinery. Designed for non-electrical students and to accompany E.E. 134.
- 141 ELECTRICAL ENGINEERING 5 credits First semester
An advanced course in the theory and operating characteristics of alternating current machinery, and apparatus. The use of the complex quantity in the calculation of alternating current phenomena. Prerequisite: E.E. 134.
- 142 ELECTRICAL ENGINEERING 5 credits Second semester
A continuation of E.E. 141, taking up the theory of the special alternating current machines and the operation of transmission systems. Prerequisite: E.E. 141.
- 143 ELECTRICAL ENGINEERING LABORATORY
2 credits First semester
Work in the laboratory on alternators, synchronous and induction motors, transformers, meters, and polyphase systems. Prerequisite: to accompany E.E. 141.
- 144 ELECTRICAL ENGINEERING LABORATORY
2 credits Second semester
A continuation of E.E. 143, with intensive tests upon the equipment studied in E.E. 141 and 142. Some work with the oscillograph.
- 145-146 POWER SEMINAR 1 credit Each semester
Discussions of typical, power and industrial applications with problems and reviews of current articles in the technical press. The preparation and presentation of papers on assigned subjects. Required of seniors in electrical engineering.
- 147 ELECTRICAL DESIGN 3 credits First semester
Design of simple electro-magnetic machinery. Prerequisites: E.E. 133 and 134.
- 149 TELEPHONE CIRCUITS 3 credits First semester
A study of telephone circuits and telephone switching. Prerequisites: Math. 101 and EE. 134. Elective.

- 150 RADIO ENGINEERING 3 credits Second semester
A theoretical course in radio-telegraphy involving a mathematical treatment of circuits and apparatus. Open only to students of electrical engineering and physics with senior standing.
- 151 ILLUMINATION AND PHOTOMETRY 2 credits First semester
A general course treating of the principles of illumination and photometry; the comparison of illuminants; a study of the proper lighting of homes, public buildings, and factories. Prerequisite: A knowledge of elementary physics. Elective.
- 152 THESIS 3 credits Second semester
An original investigation or dissertation upon some subject in electrical engineering.
- 154 CENTRAL STATIONS 2 credits Second semester
Design and intensive study of central stations, their layout and equipment. Prerequisites: E.E. 132 or E.E. 134, and M.E. 122. Elective.
- 156 ELECTRICAL ENGINEERING PROBLEMS 3 credits Second semester
The complete solution of various engineering projects; design; choice of materials; comparative costs. Prerequisite: senior standing. Elective.
- 158 TRANSMISSION LINES 3 credits Second semester
A study of the theory and design of high tension transmission lines together with an introduction to the problem of transient phenomena in transmission lines and electrical machines. Elective.

Primarily for Graduates

- 201-202 ADVANCED ELECTRICAL ENGINEERING LABORATORY
2 credits Each semester
Problems in transient, high-frequency, and high-voltage phenomena.
- 203-204 THEORY OF DIRECT CURRENT MACHINERY
2 credits Each semester
Advanced investigation into theory underlying design and operation of direct current machinery.
- 205 POWER PLANT ECONOMICS 3 credits First semester
Study of design, operation, and organization of power plants as related to public utilities.

ENGLISH

Professors MILLER and CUSHMAN, Associate Professor MASON, Assistant Professors DAVIDSON, BURKE, and ORIAN, Mr. COOPE, Mr. RADER, Miss WANOUS, Miss BARRY, Mr. BANKS, Mr. SCHULDT, Mr. DAILEY, Mr. FITZGERALD, Miss HAWKES, Miss HAWKINS, Mr. MONTGOMERY, Miss JOHNSON, Mrs. BRENN.

A. THE UNIFORM ENTRANCE TEST IN ENGLISH.—This test, as formulated by the Inland Empire Council of Teachers of English and administered in the higher institutions of the Northwest, is given to all students entering the University for the first time, whether freshmen or upperclassmen. Freshmen notably deficient in spelling, punctuation, capitalization, sentence or paragraph structure, or giving other evidences of illiteracy, will be required to meet in special sub-freshman sections (in the course known as English A) three hours a week, without credit, or to do other work prescribed by the department, until such deficiencies shall have been removed. Sophomores, juniors, and seniors are not exempt from this rule; see Rule 9, "Habitual Bad English," page 34.

B. REQUIRED COURSES.—The regular courses in the department are divided into two groups, required and elective. The freshman course (1-2) is required of all first-year students. Courses 3 and 5 in composition are required for certain groups of students. Course 11-12 is required of candidates for the B.A. degree. Courses 13-14 and 15-16 are recommended to satisfy the requirements in literature for B.S. students and students in the special curricula in the College of Letters and Science, and as electives or required elementary courses in literature for students in the various technical curricula. An excellent substitute for the course in Great Books (Eng. 15-16) is Classical Languages (C.L. 33-34, Classical Literature in English). Students who expect to ask the department for recommendations to teach English should take Course 107-108 and at least some work in Public Speaking or Dramatics. Students who desire credit for intercollegiate debate must register for such credit in Course 37. Students desiring credit for work on the *Argonaut* must register, if prepared for the course, in English 53-54.

C. PREREQUISITES.—English 1-2 is open only to students who have passed the Uniform Entrance Test or who have passed in English A. Course 1-2 is a prerequisite to all courses in the department except Courses 31-32 (Fundamentals of Speech) and 37 (Intercollegiate Debate); but students in 1-2 may take Courses 33-34 (Reading and Interpretation), 35-36 (Speaking and Parliamentary Law), 41-42 (Fundamentals of Play Production), or 51-52 (News Writing), provided they secure permission from the head of the department. Course 11-12 is a prerequisite to all advanced courses in literature or language; students who have not had 11-12 can enter such

advanced courses only by special permission of the head of the department.

D. MAJORS AND MINORS.—Three majors are offered by the department—the regular Major in English, a Major in Journalism, and a Major in Dramatics and Public Speaking. The details of the three majors are stated on page 53 of this catalog. The attention of students is called to the fact that as an adequate preparation for teaching English in the high school a minor in English or the use of English as a “teaching subject” in the School of Education should be considerably more than the legal minimum for a minor. Students may take a major in English and a minor in Journalism or in Dramatics and Public Speaking, or vice versa.

ENGLISH

Primarily for Undergraduates

- | | | | |
|---|----------------------|-----------|---------------|
| A | SUB-FRESHMAN ENGLISH | No credit | Each semester |
|---|----------------------|-----------|---------------|
- Required of students who fail to pass the Uniform Entrance Test in English or who give other evidence of notable deficiency in matters of usage. Carefully organized drill in spelling, capitalization, punctuation, grammar, and sentence structure. Other students may elect this course. (HAWKES, BANKS, BARRY, ORIAN, COOPE)
- | | | | |
|-----|---------------------|-----------|---------------|
| 1-2 | ENGLISH COMPOSITION | 3 credits | Each semester |
|-----|---------------------|-----------|---------------|
- Required of all first-year students in all colleges and schools, and a prerequisite for all courses in the department except as noted above under “C.” Regular conference hours for each student. The aim in the first semester is to make clear in theory and practice the general rhetorical principles and rules applicable to all kinds of prose composition. Hence emphasis is placed for the first twelve weeks upon the principles of composition and the rules of good use and the written work is largely expository. The remainder of the year is given to the theory and practice of the separate kinds of composition—description, narration, exposition, and argumentation. In this latter work, instead of emphasizing chiefly external principles and rules, attention is focused upon the results, upon the qualities of style—clearness, force, and elegance. (BURKE, DAVIDSON, ORIAN, COOPE, RADER, WANOUS, BARRY, BANKS, SCHULTZ, HAWKES, HAWKINS. Given also at the Southern Branch)
- | | | | |
|---|---------------------------|-----------|----------------|
| 3 | SUPPLEMENTARY COMPOSITION | 2 credits | First semester |
|---|---------------------------|-----------|----------------|
- Required of sophomores in Letters and Science who make a “D” in freshman English; recommended for sophomores in the schools of Education and Business who make a “D” in freshman English. The course supplements English 1-2 by further practice in the fundamentals of good composition. The special needs of each student will be considered in personal conference. Some

attention will be given to handling technical material from other fields of study. (RADER. Given also at the Southern Branch)

5 ADVANCED COMPOSITION 3 credits Either semester

Required of juniors (or sophomores) in the technical curricula. Regular conference hours for each student. Emphasis is placed on the principles of structure in connection with work in formal exposition and argumentation dealing chiefly with technical material. Some attention will be given to the forms of technical reports and other types of writing of special value to technical students. Where possible some training will be given in oral composition. Collateral reading in both technical and general literature; reports. Prerequisite: English 1-2. (COOPE, SCHULTZ)

11-12 THE DEVELOPMENT OF ENGLISH LITERATURE

3 credits

Each semester

Required of all sophomores in the B.A. curriculum, and a prerequisite to advanced courses in literature and language in the department; recommended for students in the School of Education. The work of the course is introduced by a study of the nature of the chief literary types—the lyric, the drama, narrative poetry, prose fiction, and the essay. After this introduction the lectures trace in outline the development of English literature from the earliest times to the end of the nineteenth century, emphasizing the relation of literary production to the life of the times, and discussing the development of the chief literary types and the characteristics and achievements of the more important literary figures. Lectures, class and collateral reading, quizzes, and reports. Prerequisite: English 1-2. (MILLER, DAVIDSON, BURKE. Given also at the Southern Branch)

13-14 MODERN LITERATURE

2 credits

Each semester

Recommended especially for students in the B.S. curriculum, for those in the various technical curricula, or as an elective for students in any division of the University. It is the chief purpose of the course to bring students into contact with the thought of our times as expressed in nineteenth century and contemporary literature. The first semester, an extensive reading course in the significant modern essays and fiction of various nations, has as its aim the understanding of present day life and thought in the world in general and in America in particular. The second semester's work is a more intensive and careful study of a few leading English and American poets. The course is an alternative to Course 15-16. Lectures, class and collateral reading, reports. Prerequisite: English 1-2. (COOPE. Given also at the Southern Branch)

*15-16 GREAT BOOKS 2 credits Each semester

Recommended as an alternative course to English 13-14 and intended for the same classes of students. The course will bring the students into contact with a selection from the great books of the world from the Bible and Homer to recent times. Care will be used to choose the best English translations from foreign literature. Lectures, class and collateral reading, reports. Prerequisite: English 1-2. (CUSHMAN)

61-62 ELEMENTARY LITERARY COMPOSITION

2 credits

Each semester

The principles of successful composition in the short story, the literary essay, verse writing, and one-act plays. In addition to practice in all four of these forms, the student will be given some practice in writing book and play reviews. The course is designed as a prerequisite for English 105-106, Advanced Literary Composition. Open to sophomores who have distinguished themselves in English 1-2, and, with the consent of the head of the department, to a limited number of upperclassmen. (BURKE. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

SPECIAL NOTE.—All hundreds courses require English 1-2 and 11-12 as prerequisites.

105 ADVANCED LITERARY COMPOSITION 2 credits First semester

A study of the principles underlying successful composition in the short story, the literary essay, verse writing, and the drama, and considerable practice under criticism. Ordinarily not more than two of these forms will be studied in any one year; so, with special permission from the head of the department, the course may be taken in successive years. Open only to those who have completed freshman English and English 11-12 and have shown some aptitude in literary composition by doing good work in English 61-62 or by writing for the *Blue Bucket* or other publications. (CUSHMAN)

106 ADVANCED LITERARY COMPOSITION 2 credits Second semester

A continuation of 105, with the same prerequisites and the same methods. Special emphasis on dramatic composition for students of dramatics, tho other forms of writing will also be practiced. (CUSHMAN)

107-108 THE TEACHING OF ENGLISH 2 credits Each semester

Bibliography. Organization of courses. Textbooks. The relation of grammar, composition, and literature to one another and to other subjects. Special methods in both composition and literature and practical work in applying them. Primarily for seniors and graduates, with a good body of English courses al-

*Attention of students is called to Classical Languages 33-34, Classical Literature in English, as an excellent substitute for the course in Great Books.

ready completed. This course should be taken by all students who expect to ask the department for recommendation to teach English. It counts as a course in the School of Education, but not as credit toward an English major or minor. (MILLER)

- 111 ELIZABETHAN LITERATURE 2 credits First semester
The non-dramatic literature of the Elizabethan age—the lyric, narrative poetry, and the beginning of the essay. Spenser and Bacon and their contemporaries. Prerequisites: English 1-2 and 11-12. (—————)
- 112 FROM SHAKESPEARE TO DRYDEN 2 credits Second semester
The seventeenth century from the death of Elizabeth to the Restoration. Ben Jonson, Browne, Walton, the Caroline poets, Bunyan; but special emphasis will be placed upon Milton as the chief figure of the age. Prerequisites: English 1-2 and 11-12. (—————)
- 113-114 THE RESTORATION AND QUEEN ANNE AGES 2 credits Each semester
Dryden, Defoe, Swift, Steele, Addison, Pope, and the dramatists. The rise of the essay, pseudo-classicism, the heroic drama, and the prose drama of manners. Prerequisites: English 1-2 and 11-12. (Not given in 1928-29.) (ORIANIS)
- 115-116 ROMANTIC PROSE AND POETRY 2 credits Each semester
The transition to romanticism. The romantic writers from the middle of the eighteenth century to the death of Scott. The poets will be studied the first semester, the prose writers the second. Prerequisites: English 1-2 and 11-12. (Not given in 1928-29.) (RADER)
- 117-118 VICTORIAN PROSE AND POETRY 2 credits Each semester
A study of the greater essayists and poets of the Victorian era, their interpretation of the life and ideals of their time, their relation to one another, and their influence upon their contemporaries and successors. The prose writers will be studied the first semester, the poets the second. Prerequisites: English 1-2 and 11-12. (—————)
- 119-120 AMERICAN LITERATURE 2 credits Each semester
The study of American literature both as an expression of the American spirit and as a part of the development of English literature. The development of American literature is traced from colonial times to the present. The first semester traces the development to 1870; the second semester from 1870 to the present. Prerequisites: English 1-2 and 11-12. (ORIANIS)
- 121-122 THE NOVEL 3 credits Each semester
The development of English fiction is studied from *Beowulf* to the present, but the chief emphasis is placed upon the develop-

ment of the novel in the eighteenth and nineteenth centuries, and the course is concluded with some analysis of present conditions and tendencies in both English and American fiction. Prerequisites: English 1-2 and 11-12. (CUSHMAN)

123 CONTEMPORARY DRAMA 2 credits First semester

A study of the leading contemporary dramatists—Continental, English, and American—with emphasis on the influence of Ibsen. For upperclassmen in any division of the University and for mature persons not regularly registered in the University, but of especial benefit to students interested in dramatics. Prerequisites: English 1-2 and 11-12. (CUSHMAN)

124 TYPES OF CONTEMPORARY PROSE FICTION 2 credits Second semester

A study of the various types of the modern short story and the modern novel. Intended especially for advanced students of creative writing, but open to upperclassmen in any division of the University. This course alternates with English 126. Prerequisites: English 1-2 and 11-12. (CUSHMAN)

126 CONTEMPORARY POETRY AND THE CONTEMPORARY ESSAY 2 credits Second semester

An appreciative study of the two types of literature which emphasize in contemporary thought the subjective point of view. Open to upperclassmen in any division of the University. This course alternates with English 124. Prerequisites: English 1-2 and 11-12. (CUSHMAN)

131 OLD ENGLISH 3 credits First semester

Aim both linguistic and literary. The development of the language. Grammar and the reading of selected texts. The history of Old English literature, with wide readings in modern translations. Primarily for upperclassmen and graduates. Prerequisites: English 1-2 and 11-12. (Not given in 1928-29) (MILLER)

132 MIDDLE ENGLISH AND CHAUCER 3 credits Second semester

The development of the language and the literature to the end of the Middle English period. The study of Chaucer as poet and story teller. Primarily for upperclassmen and graduates. Prerequisites: English 1-2 and 11-12. (Not given in 1928-29) (MILLER)

141 THE DRAMATIC INFLUENCES UPON SHAKESPEARE 3 credits First semester

A study of the development of the drama to 1594. Folk dramatic material, miracle plays, moralities, interludes, and early regular drama. Special emphasis upon the work of Shakespeare's immediate predecessors and earlier contemporaries, and a com-

parison of this work with Shakespeare's earlier plays. Theatrical and social conditions affecting the Elizabethan drama. Prerequisites: English 1-2 and 11-12. (MILLER)

- 142 SHAKESPEARE 3 credits Second semester
 Shakespeare's development and characteristics as dramatic artist, poet, and thinker. The more important plays after 1594 are read in class; all others after this date are read outside. In at least one play a careful study is made of the Elizabethan language, its relation to earlier forms of speech, and to late modern English. Prerequisites: English 1-2 and 11-12. (MILLER)

Primarily for Graduates

- 201 FOLK LITERATURE 3 credits First semester
 The origins of literature. Choric song and dance, the ballad, children's singing games, cowboy songs, and other folk literary forms, and their relation to the development of individual artistic literature. Primarily for seniors and graduates. Open to juniors only by special permission. (Not given in 1928-29) (MILLER)
- 202 ENGLISH LITERARY CRITICISM 3 credits Second semester
 The development of literary theory from Ascham to Pater. The relation of criticism to the development of literature. Present tendencies in criticism. Primarily for seniors and graduates. Open to juniors only by special permission. (Not given in 1928-29) (MILLER)
- 203-204 SPECIAL PROBLEMS IN THE DEVELOPMENT OF (a) POETRY, (b) DRAMA, AND (c) PROSE FICTION 3 credits Each semester
 Only one or two of these literary types will be considered in any one year. Primarily for seniors and graduates. Open to juniors only by special permission. (MILLER)
- 207-208 SPECIAL PROBLEMS IN METHODS OF TEACHING ENGLISH
 Credits to be arranged Each semester
 A course in special research intended primarily for experienced teachers doing graduate work in the department. Open to properly qualified graduate students. (MILLER)
- 211-212 RESEARCH Credits to be arranged Each semester
 Research in preparation for graduate thesis and conferences on results. In addition each candidate for a graduate degree will meet with other graduates for special investigation of some one topic. This year the special topic has been "The Influence of English Literature on American Literature." Open to properly qualified graduate students. (MILLER)

DRAMATICS AND PUBLIC SPEAKING

SPECIAL NOTE.—English 1-2 is prerequisite to all courses in Dramatics and Public Speaking except English 31-32 and 37; but by special permission of the head of the department students registered in English 1-2 may take English 33-34, 35-36, or 41-42. For all hundreds courses in Dramatics and Public Speaking English 11-12 is a prerequisite.

Primarily for Undergraduates

31-32 FUNDAMENTALS OF SPEECH 2 credits Each semester

An introduction to vocal effectiveness, posture, interpretation, speech composition, platform speaking, and conversation. Beginning course. Four sections of twenty students each. No prerequisite. (DAVIDSON, WANOUS, MONTGOMERY. Given also at the Southern Branch)

33-34 READING AND INTERPRETATION 2 credits Each semester

Analysis and presentation of monologues, stories, poems, plays, etc. One section. Open to students with English 31-32 or equivalent; open to freshmen by special permission. (DAVIDSON, WANOUS. One semester given also at the Southern Branch)

35-36 SPEAKING AND PARLIAMENTARY PROCEDURE 2 credits Each semester

Introduction to problems of modern civilization, presented and discussed in a parliamentary group. A study of parliamentary law and speech composition. One section. Open to those with English 31-32 or equivalent; open to freshmen by special permission. (DAVIDSON. English 34 given also at the Southern Branch)

37 INTERCOLLEGIATE DEBATE 1 credit Either semester

Teams chosen by try-out. To receive credit, students must register immediately after being chosen for the team. (DAVIDSON, MONTGOMERY)

41-42 FUNDAMENTALS OF PLAY PRODUCTION 3 credits Each semester

A study of the one-act play as literature, as a form of English composition, and as a means of developing talent for the acting and staging of plays. No public appearance is guaranteed the members of this class. The course is designed for directors of high-school plays and for those students wishing to appear later in University dramatic productions. Open to any properly qualified student in the University; freshmen, to register, must secure special permission from the head of the department. (CUSHMAN, JOHNSON, BRENN. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

106 ADVANCED LITERARY COMPOSITION 2 credits Second semester

For the description of this course, see the statement of Courses 105 and 106 under ENGLISH above.

- 109-110 THE TEACHING OF DRAMATICS 1 credit Each semester
The production of plays in high schools. Such special topics as selection of plays, one- and three-act plays, settings, costumes, makeup, and lighting will be discussed. This course is designed to parallel English 107-108, and is intended for the same class of students; hence it is primarily for seniors and graduates, it has the same prerequisites, it counts as a course in the School of Education, and it does not count toward an English or a dramatics major or minor. (CUSHMAN)
- 123 CONTEMPORARY DRAMA 2 credits First semester
For the description of this course, see the statement of Course 123 under ENGLISH above.
- 141-142 SHAKESPEARE AND DRAMATIC INFLUENCES ON SHAKESPEARE 3 credits Each semester
For the descriptions of these courses, see the statements of Courses 141 and 142 under ENGLISH above.
- 143-144 ADVANCED PLAY PRODUCTION 3 credits Each semester
A study of the history of the staging and of the acting of plays, with special emphasis upon the interpretation of full-length plays. One lecture period a week, three-hour rehearsals in afternoon laboratories, and one public performance a month during the college year. Open to properly qualified students from English 41-42 or to those with the equivalent training and prerequisites. With the recommendation of the instructor, this course may be taken two years in succession. (CUSHMAN)
- 161-162 DEVELOPMENT OF PUBLIC SPEAKING 2 credits Each semester
Times, personalities, speeches, and methods of the great speakers of ancient and modern times. Prerequisites: English 33-34 or 35-36, with English 1-2 and 11-12. (DAVIDSON)
- 163-164 ADVANCED SPEAKING 2 credits Each semester
The psychology of public speaking. Construction and delivery of longer and more complicated speeches for special occasions. Study of models. Open to those with English 35-36, or equivalent, and with English 1-2 and 11-12. (DAVIDSON)
- 165-166 ARGUMENTATION AND DEBATE 2 credits Each semester
Practical logic, argumentation, analysis, briefing, and presentation of debates. Open to those with English 35-36, or equivalent, and with English 1-2 and 11-12. (DAVIDSON)
- 167-168 ADVANCED INTERPRETATION 2 credits Each semester
Advanced stories, plays, pantomime, and individual acting. Open to those with English 33-34, or equivalent, and with Eng-

lish 11-12. With the recommendation of the instructor, this course may be taken two years in succession. (DAVIDSON)

JOURNALISM

SPECIAL NOTE.—English 1-2 is a prerequisite to all Journalism courses, except that by special permission of the head of the department students may take English 51-52 (News Writing) with English 1-2. For all hundreds courses in Journalism English 11-12 is a prerequisite.

Primarily for Undergraduates

51-52 NEWS WRITING 2 credits Each semester

An introduction to the principles of news writing. Study of newspaper organization and methods. One lecture and one three-hour laboratory period each week. All written work is done on the typewriter. Freshmen may not enrol except by special permission of the head of the department. (MASON. Given also at the Southern Branch.)

53-54 COLLEGE JOURNALISM 1 credit Each semester

Work on the *Argonaut*, with weekly conferences. Open only to members of the *Argonaut* staff who have completed English 51-52 or its equivalent. This course may be repeated. (DAILEY)

55-56 REPORTING 3 credits Each semester

Practice in news writing, covering textbook assignments and events of campus and town. Three three-hour laboratory periods weekly. Students will provide their own typewriters; opportunities for renting typewriters are available. Prerequisite: English 51-52 or the equivalent. Students are not permitted to receive credit for English 55-56 and English 53-54 concurrently. (FITZGERALD, DAILEY)

For Advanced Undergraduates and Graduates

101 EDITORIAL WRITING 5 credits First semester

Daily discussion of the news, with instruction and practice in the writing of editorials. Prerequisite: English 51-52.

102 NEWS EDITING 2 credits Second semester

Practice in copy reading and headline writing. Problems of newspaper desk work. Proof reading. Make-up. Two two-hour laboratory periods weekly, with textbook preparation. Prerequisite: English 55-56 or to be taken with English 56. (MASON)

104 PUBLICITY 2 credits Second semester

Rise and power of publicity in modern life. Relation of publicity to advertising and to the news. Practice in writing news and feature stories for publicity purposes. House organs. Ethical implications of publicity. The course is listed for secretarial majors in the School of Business Administration and is recommended to those preparing for public service in education, gov-

ernment, science, agriculture, or the professions. Prerequisite: English 51. (Not given in 1928-29) (MASON)

- 151 HISTORY OF JOURNALISM 2 credits First semester
A history of American journalism, with special attention to present tendencies. Prerequisite: English 51-52. (Not given in 1928-29) (DAILEY)
- 152 SPECIAL FEATURE ARTICLES 3 credits Second semester
The writing of special feature articles on topics of current interest, preferably taken from a field of the student's specialization. Prerequisite: English 55-56, or to be taken with English 56. (Not given in 1928-29) (FITZGERALD)
- 153 ETHICS OF JOURNALISM 2 credits First semester
A study of professional standards in journalism, with the influences affecting them. The social responsibility of the newspaper. Prerequisite: English 51-52. (Not given in 1928-29) (MASON)
- 154 LAW OF THE PRESS 2 credits Second semester
Chiefly a study of the law of libel. Consideration is given also to such topics as the right of privacy, contempt of court, freedom of the press, copyright, and postal regulations. Prerequisite: English 51-52. (MASON)
- 156 COMMUNITY NEWSPAPER 2 credits Second semester
A study of the peculiar problems of the small-town newspaper, with its opportunities for service and success. Prerequisite: English 51-52. (Not given in 1928-29) (MASON)

ENTOMOLOGY

Assistant Professor SHULL

Primarily for Undergraduates

- 1 GENERAL ENTOMOLOGY 3 credits First semester
Anatomy, physiology, classification, and life history studies of insects in general. Detailed studies of the life history of the most important insects, with a view to thoro understanding of the principles underlying control measures for those insects. The more important general facts about insects as a class, the main characters of the different groups, and how the structure and habits of one group render it susceptible to certain control measures while in other groups entirely different measures are necessary. Two lectures and one three-hour laboratory weekly. (SHULL. Given also at the Southern Branch)
- 6 FOREST ENTOMOLOGY 2 credits Second semester
Study of insects in general and the principles of insect control, followed by special consideration of the insects of greatest

economic importance in the forests. The importance of insects in forests will be stressed and detailed studies of the life histories and control of the various groups will be discussed. Each student will be expected to make a thoro study of some particular insect and submit a report on it in the form of a term paper. (SHULL)

- 21 BEE CULTURE 2 credits First semester
A practical course in apiary management. The more important phases of bee keeping, such as swarm control, increase, queen rearing, disease control, honey grading and marketing, etc., are taken up. The work is designed to give a general knowledge of beekeeping for the beginner. Prerequisite: Ent. 1 or Zool. 1-2. (SHULL)

- 31 HOUSEHOLD ENTOMOLOGY 2 credits First semester
A study of the importance, life histories, and control of insect pests of homes, including those directly injurious to human beings, those acting as carriers of diseases and those injurious to clothing, food, carpets, furs, etc. Prerequisite: Zool. 1-2. (SHULL)

For Advanced Undergraduates and Graduates

- 102 ECONOMIC ENTOMOLOGY 2 credits Second semester
Detailed studies of the principles of insect control, followed by specific attention to individual insects of greater importance, to show how principles of control may be applied under varied conditions. The insects studied will be selected with intent to illustrate as nearly as possible all the conditions that may arise in insect control. Two lectures a week. Prerequisite: Ent. 1. (SHULL)

- 105 INSECT ANATOMY 3 credits First semester
External structures of various orders of insects. The types studied are selected to present the essentials of the structure of the exoskeleton, thus affording a basis for studies in taxonomy. One lecture and two three-hour laboratories weekly. Prerequisite: Ent. 1. (SHULL)

- 111-112 SPECIAL PROBLEMS Credits to be arranged Each semester
This course is open to the more advanced students. Assignments will be made to special problems to be worked out at any time agreed upon between the student and the instructor. Problems of economic importance will be stressed. General Entomology is the only prerequisite but all students should have the approval of the instructor before enrolling for this course. (SHULL)

FORESTRY

Professor MILLER, Professor HUBERT, Assistant Professor TAYLOR,
Mr. NETTLETON, Mr. WIESEHUEGEL

Primarily for Undergraduates

- 1 ELEMENTS OF FORESTRY 2 credits First semester
A general course dealing with forestry in its relation to the every-day life of the people; forest movement in the United States; forest influences; conservation with special reference to forest resources. Two lectures a week. (MILLER)
- 5 GENERAL FORESTRY 2 credits First semester
A course similar to Forestry 1, but given for non-forestry students. It includes a discussion of forest influences, the relation of forestry to transportation, commerce and manufacture, and the measures that must be taken to meet our needs for timber. Two lectures a week. (MILLER)
- 10 DENDROLOGY 4 credits Second semester
The object of this course is to enable the student to identify and classify trees and shrubs in the field. A study is made of the distribution, life history, and principal lumber species in the United States. Various manuals and tree books are available for laboratory, field, and class work. The student has access to an arboretum of more than 150 species. Two lectures or recitations and two laboratory or field periods a week. (WIESEHUEGEL)
- 16 OUR TREES AND HOW TO KNOW THEM 2 credits Second semester
A course for non-forestry students. Identification, distribution and economic uses of trees, with special reference to the trees of Idaho. (TAYLOR)
- 21 FOREST RESOURCES OF THE WORLD 2 credits First semester
Geographic distribution and character of the forests, and the forest situation in the different timber-producing countries. Two lectures a week. (NETTLETON)
- 23 FOREST ECOLOGY 3 credits First semester
A course considering the relation of trees and forests to their environment. Temperature, light, moisture, nitrogen and soil relations, growth, reproduction, tree associations, and forest types will be studied with reference to forest production. Laboratory work will consist in experimenting with the effect of environmental factors on tree growth. Two lectures and one field or laboratory period a week. Prerequisites: Bot. 1-2; For. 10. (TAYLOR)

- 26 SEEDING AND PLANTING 3 credits Second semester
A study of the operations pertaining to the artificial regeneration of forests, dealing chiefly with seed collection and preparation, nursery practice, and planting in the field. Two lectures and one laboratory period a week. Prerequisite: For. 23. (TAYLOR)

- 28 FARM FORESTRY 3 credits Second semester
The relation of forestry to agriculture; the establishment of farm wood-lots and windbreaks—what, when, where, and how to plant. Especial emphasis is placed upon the value of windbreaks in the treeless belts. Ornamental planting and the preservative treatment of farm timbers are other topics considered. Two lectures a week. Open to students in other departments. (NETTLETON)

- 52 HISTORY OF THE RANGE INDUSTRY 2 credits Second semester
A study of the handling of livestock on the range, and including a history of the industry, management of summer and winter ranges, a consideration of the factors of successful livestock production on the range, and the methods of control of predatory animals. Two lectures a week. Open to students in other departments. (TAYLOR)

- 54 RECREATIONAL USES OF THE FOREST 2 credits Second semester
A study of the forest from the viewpoint of the camper, hunter, fisherman, naturalist, and tourist, with particular reference to national forests and parks. Two lectures a week. Open to students in other departments. (TAYLOR)

- 61 FIRE PROTECTION 2 credits Second semester
Methods of protecting forests from fire; causes of fire and their elimination; climate and fires; lookout development; fire fighting; fire ratings; publicity methods; fire laws in the Northwest; law enforcement. Two lectures a week. (NETTLETON)

For Advanced Undergraduates and Graduates

- 110 ADVANCED DENDROLOGY 2 credits Second semester
An intensive taxonomic and biologic study is made of the forest trees of the United States. Attention is given also to the principles of nomenclature and to the relative merits of the different "Codes." One lecture or recitation and one laboratory or field trip a week. Text: Sargent's *Manual of the Trees of North America*. (WIESEHUEGEL)

- 123 PRACTICE OF SILVICULTURE 3 credits First semester
Treats of the methods of renewing forest by natural reproduction and the technique of manipulation to increase the quality and quantity of the crop. Two lectures and one laboratory period a week. Prerequisite: For. 23. (TAYLOR)

- 131 WOOD TECHNOLOGY 4 credits First semester
Identification, structural, physical, mechanical, and chemical properties of wood; the moisture content, density, swelling, warping, and shrinkage of wood; color, grain, and texture. Two lectures or quizzes and two laboratory periods a week. Open to students in other departments. Text: Record's *Economic Woods of the United States*. (WIESEHUEGEL)
- 132 TIMBER PHYSICS 2 credits Second semester
The various stresses resisted by structural timbers; the mechanical properties of wood, the methods of timber testing, the factors which affect the mechanical properties of wood, and the physical properties of the economic woods of the United States. Two lectures or quizzes a week. (HUBERT)
- 133 FOREST BY-PRODUCTS 3 credits First semester
The chemistry of cellulose; the various processes of the manufacture of paper, viscose, artificial silk, cellulose, acetate, etc. The manufacture and use of forest products—as tannin, naval stores, maple sugar, wood paving, veneers, cooperage, boxes and crates, poles, cross-ties, shingles and fuelwood; other minor wood-using industries and the utilization of waste. Three lectures or quizzes a week. Text: Brown's *Forest Products*. (HUBERT)
- 135 WOOD PRESERVATION 3 credits Second semester
The relation between the structural, physical, and chemical properties of wood and durability; the causes of decay; the various methods and theories of preservation; the fire-proofing of wood; and the prevention of sap stain. Two recitations and one laboratory period a week. Texts: Weiss' *Preservation of Structural Timber* and collateral reading. (HUBERT)
- 136 SEASONING OF WOOD 3 credits First semester
A course dealing with the principles and practices of wood seasoning, including a study of equipment, methods and costs of air seasoning, kiln drying, and other seasoning practices. Particular attention will be paid to seasoning defects and their prevention. Two lectures and one laboratory a week. The laboratory work includes inspection trips to nearby lumber mills. Prerequisite: For. 131. (HUBERT)
- 140 FOREST ECONOMICS 2 credits Second semester
A course dealing with the economic value and benefits of forests; the results of abuse of forest resources; the relation of the forest problem to other industries of the country; the forest resources of the United States and the requirements of our nation for forest products; lumber exports, and possible sources of imports; economic conditions in the lumber industry; land classification; the relation of the Government to the forest resources,

and the essentials of a rational forest policy for the nation. Open to students in other departments. Two lectures a week. (MILLER)

141 FOREST HISTORY AND POLICY 3 credits First semester

The history of forestry in foreign countries; the forestry movement in the United States; development of forest policies by different states and a study of the different state forest laws and organizations, forest taxation laws in the different states. Fernow's *History of Forestry* and Ise's *The United States Forest Policy* are used as texts. Three lectures a week. (WIESEHUEGEL)

150 FOREST MANAGEMENT 2 credits Second semester

This is a course in forest mathematics, dealing with the valuation of forest soil, growing stock, assessment of damage, and comparing the financial results of different methods of treating the forest. Two lectures a week. Prerequisites: For. 23, 26, and 153. Text, Chapman's *Forest Finance*. (MILLER)

151 RANGE MANAGEMENT 3 credits First semester

Technical methods employed by the Forest Service in managing the western grazing grounds, including the methods of handling all kinds of livestock on the range, water development, eradication of poisonous plants, methods of regeneration of the range, etc., and the lines of research work which are known to be most effective in securing accurate data needed for such management. Two lectures and one laboratory period a week. May be taken as a two-credit course. (TAYLOR)

152 NATIVE FORAGE PLANTS 3 credits Second semester

A study of the economic value, distribution, and growth characters of important range plants. Also a study of stock-poisoning plants, their effect on stock, and remedies. Two lectures and one laboratory period a week. (TAYLOR)

153-154 FOREST MENSURATION 3 credits Each semester

The first semester course covers the fundamentals of log scaling, including log rule construction, a comparison of the leading commercial log rules and a study of the principal wood-decaying fungi. The application of scaling principle is secured thru actual practice in woods and mills. The second semester covers the care, adjustment, and use of such instruments as are adapted to surveying, mapping, and cruising of forested areas, with special emphasis on the application of topographic mapping to forestry problems. The course also covers the measurement of standing timber, construction of different types of volume tables, cruising methods, form studies, graphical analysis and sample plot studies. In addition to the regular laboratory periods, one week will be spent in the field on a practical cruising and mapping problem. Chapman's *Forest Mensuration* is used as a textbook. Two lectures

and one laboratory or field period a week. Prerequisites: C.E. 3 and 4. (NETTLETON)

155-156 FOREST MANAGEMENT 3 credits Each semester

A course dealing with the most approved methods of forest administration, forest regulation, forest working plans, and forest practices of the various states and the federal government. Three lectures a week. Prerequisites: For. 150 and 154. (MILLER)

157 FOREST MENSURATION 3 credits First semester

This course covers the growth of timber, including principles of growth study; tree growth in diameter, height and volume; construction and use of yield tables; methods of measuring and predicting growth; and coordination of growth studies with timber surveys. Chapman's *Forest Mensuration* is used as a textbook. Two lectures and one laboratory or field period a week. Prerequisite: For. 153-154. (NETTLETON)

164 FOREST PATHOLOGY 2 credits Second semester

An intensive course dealing with the important forest-tree diseases in Idaho and their relation to silviculture, forest management, forest utilization, and grazing. During the latter part of the semester, the decay of lumber and structural timbers will be considered, with special emphasis on the physiological aspects of the question, lumber yard sanitation, etc. Two lectures a week. Text: Rankin's *Manual of Tree Diseases*. (HUBERT)

171 LOGGING 3 credits First semester

The organization of logging operations; various methods of log transportation, as driving, rafting, fluming, skidding by horse and steam power, hauling by caterpillar tractors, motor trucks and logging railroads; types of logging machinery; location of logging railroads; costs of operation; and appraisal of stumpage values. Bryant's *Logging* is used as a text. Three lectures a week. (WIESEHUEGEL)

172 LUMBER MANUFACTURE AND DISTRIBUTION

3 credits Second semester

Equipment and operation of sawmills, disposition of waste, lumber yards and air seasoning, dry kilns and their operation, wholesale and retail distribution of lumber, railroad transportation of forest products, domestic and foreign markets, lumber prices. Bryant's *Lumber* is used as a text. Three lectures a week. (WIESEHUEGEL)

174 FOREST ENGINEERING 2 credits Second semester

Application of the principles of surveying to forest land, including practice in plane table surveying, different uses of the compass, Abney hand level and topographic tape; a study of dif-

ferent field methods of topographic mapping; the location of corners and retracing of old land lines; laying out trails and roads. One lecture and one laboratory or field period a week. (NETTLETON)

180 THESIS 2 credits First and second semester

Each student before graduation must prepare a thesis on some phase of forestry work. This usually covers some practical experimental work which the student has performed either in the field or in the laboratory. A thesis outline or working plan must be approved and work on the thesis started not later than the first semester of the senior year and preferably the first semester of the junior year.

181-182 SEMINAR Each semester

Conferences on forestry matters, more particularly important phases of forest legislation and the trend of forestry developments. Open only to advanced or graduate students. Hours to be arranged. (MILLER, HUBERT, TAYLOR, NETTLETON, WIESEHUEGEL)

Primarily for Graduates

281-282 RESEARCH IN FORESTRY Each semester

Facilities and instruction are offered in graduate research work on a variety of forestry subjects, covering both field and laboratory problems. Instruction is given in research methods, preparation of the working plan, methods of presentation, planning, writing, and revision of the manuscript. Required of candidates seeking the master's degree in forestry. Credits are based on the type of problem and the amount of work involved.

CORRESPONDENCE COURSE

70 LUMBER AND ITS USES

This is a course offered by correspondence. It deals with the structure of wood; physical properties of wood; identification of the leading commercial species; standard grades and sizes; structural timbers; seasoning and preservation of timber; paints and stains; lumber production; lumber prices; selection and use of wood materials. A prospectus will be sent on request.

FRENCH

(See under Modern Languages)

GEOLOGY AND MINERALOGY

Professor LANEY, Assistant Professor KIRKHAM, Mr. HOLM

Primarily for Undergraduates

1 GENERAL GEOLOGY 3 or 4 credits First semester

A foundational course in structural and dynamical geology, open to all students. It deals with the minerals and rocks making up the earth's crust; rock weathering and the formation of soil; the work of the wind, streams, glaciers, and ocean; earth movements and mountain making. Many examples are taken from Idaho and adjacent states. Lectures, readings, and quizzes. The laboratory work consists of interpretation of the work of geologic agencies and processes as represented by topographic maps; simple tests on the common minerals and sight recognition of the more important economic and rock-forming minerals and all common types of rock. Occasional short field trips. One three-hour laboratory period each week. The laboratory work is an integral part of the four-credit course and cannot be taken separately. No laboratory work is required in the three-credit course. (LANEY, KIRKHAM, HOLM. Given also at the Southern Branch)

2 HISTORICAL GEOLOGY 3 or 4 credits Second semester

A statement of the theories concerning the origin of the solar system and the earth; a consideration of the events that have happened to the earth in the past, as revealed by the rocks and fossils; a review of the varied distribution of land and sea and their character in past ages; and a brief study of the different successions of organic life which have inhabited the earth. Lectures, assigned readings, quizzes. The laboratory work consists of the interpretation of the earth's structure and stratigraphy as shown upon geologic maps of various localities; development of life as shown by fossils, and study of the development of land areas during geologic time. Field expeditions are conducted so as to illustrate the practical application of the facts learned. One three-hour laboratory period each week. The laboratory work is an integral part of the four-credit course and cannot be taken separately. No laboratory work is required in the three-credit course. (LANEY, KIRKHAM, HOLM. Given also at the Southern Branch)

4 ANIMALS OF THE PAST 2 credits Second semester

An elementary course dealing with the geological development of the vertebrates. (HOLM)

7 GENERAL GEOGRAPHY 3 credits First semester

An introduction to the science of geography. Deals with fundamental principles of physical, economical, social, and po-

litical geography and offers a geographic interpretation of history. Lectures, reading, reports, and interpretation and construction of maps. (KIRKHAM)

8 WEATHER AND CLIMATE 2 credits Second semester

An elementary study in relationships of the fundamental principles of climate and weather, a consideration of the principles involved in the interpretation and construction of weather maps and forecasting. (KIRKHAM)

22 ELEMENTARY ECONOMIC GEOGRAPHY 3 credits Second semester

A study of the elements of natural environment and their general influence on industrial conditions, production, and trade. An examination of the geography and industrial history of important world products, land and water trade routes, commercial cities, and nations. Emphasis is placed on trade developments with Europe, South America, and the Orient. A certain portion of the course is devoted to Idaho and the Pacific Northwest. Laboratory work covers a study and development of statistics, charts, graphs, and maps, and the problems developed therefrom. Two lectures and one three-hour laboratory period. A course for students in Business, Education, and Letters and Science. (KIRKHAM. Given also at the Southern Branch)

31 ADVANCED ECONOMIC GEOGRAPHY 3 credits. First semester

A group study of the important factors entering into the production and marketing of world products. An analysis by the student of the economic geography of important commercial products, such as steel, rubber, oil, and cotton. Laboratory work covers the study of information obtainable and the compilation of maps, charts, graphs, etc. Prerequisite: junior standing in the University. (KIRKHAM)

For Advanced Undergraduates and Graduates

101 GEOLOGY OF NORTH AMERICA 3 credits First semester

This course is designed to succeed Geol. 1 and 2, but is limited to a study of the structural, stratigraphic, economic, and physiographic problems of the North American continent. Prerequisites: Geol. 1-2 and junior standing. (KIRKHAM, LANEY)

103 MINERALOGY 3 credits First semester

A thoro study of crystallography, followed by descriptive mineralogy, and training in field recognition of hand specimens by physical characteristics. One lecture and two three-hour laboratory periods. Prerequisite: Chem. 1-2. (KIRKHAM)

- 104 DETERMINATIVE MINERALOGY 3 credits Second semester
A continuation of Geology 103. Particular emphasis is placed upon sight recognition of minerals, the student being required to familiarize himself thoroly with all the common and important minerals and most of the rarer ones. Several thousand specimens both labeled and unlabeled are available for this work. One lecture and two three-hour laboratory periods. Prerequisite: Geol. 103. (KIRKHAM)
- 108 WEATHER AND CLIMATE 2 credits Second semester
A study of the fundamental relationships of geographic principles to climate and weather. This course is essentially a consideration of the principles involved in weather forecasting as practiced by the United States Weather Bureau. Prerequisites: Geol. 1 or Geol. 7, and Phys. 1-2. (KIRKHAM)
- 109 ECONOMIC GEOLOGY 3 credits First semester
Lectures and recitations dealing with the process of mineral deposition, and examples of the different ore deposits of the world. Genetic classification of the metallic ores, theories of ore deposition, secondary enrichment, and the occurrence of ores of iron, copper, lead, zinc, gold, silver, etc. Particular attention is given to ore deposits of the western United States. Prerequisites: Geol. 1-2, 103-104; Chem. 1-2; Physics 1-2. (LANEY)
- 110 ECONOMIC GEOLOGY 3 credits Second semester
A study of the economic deposits of the non-metallic minerals such as coal, oil, clay, phosphate, etc., with reference to their occurrence, production, and use, along with a discussion of important papers by eminent authorities. Prerequisites: Geol. 1-2, 103-104; Chem. 1-2; Phys. 1-2. (KIRKHAM)
- 111 OPTICAL MINERALOGY 2 credits First semester
A study of the optical properties of minerals and the application of these in determining minerals in thin sections and small particles. Lectures, readings, and laboratory work. Prerequisites: Geol. 1 and 103-104 and Phys. 1-2. One hour of lecture, three hours of laboratory. (Given in alternate years; given in 1929-30.) (LANEY)
- 112 INTRODUCTORY PALEONTOLOGY 3 credits Second semester
A course in lecture and laboratory work on the geological relationships, origin, and development of the more important types of animals and plants. The distribution of the various organisms thruout geologic time, and the value of fossils in stratigraphic geology will be given especial consideration. Two lectures, one laboratory period. Prerequisite: Geol. 1-2. (Given in alternate years; given in 1928-29.) (LANEY)

- 113 STRUCTURAL GEOLOGY 2 credits First semester
Detailed studies of folds, faults, the principles involved in their formation, and the solution of geologic problems involving folds and faults, together with discussions upon the relation of these subjects to ore-deposits. Lectures, readings, interpretation of geologic maps. Prerequisites: Geol. 1-2; Chem. 1-2; Phys. 1-2. (Given in alternate years; given in 1928-29.) (LANEY)
- 114 PETROGRAPHY 2 credits Second semester
Studies of the igneous, metamorphic, and sedimentary rocks with the petrographic microscope. The relationships and classification of the igneous rocks based upon chemical and physical composition. Studies and mineralogical analysis of ore deposits, gangue, and ores, by means of the microscope, including the principles of photomicrography. Prerequisites: Geol. 103-104 and 111; Chem. 1-2. (Given in alternate years; given in 1929-30.) (LANEY)
- 115 PETROLOGY 2 credits First semester
A general study of all the common rocks and rock-forming minerals. A study of their components, occurrence, and structure relations. Of special interest to geology majors. One lecture and one three-hour laboratory period. Prerequisites: Geol. 1-2, 103-104. (Given in alternate years; given in 1929-30.) (KIRKHAM)
- 116 GEOGRAPHY AND GEOLOGY OF IDAHO 3 credits Second semester
Lectures, reading, slides, and maps dealing with physical, human, and economic geography and the stratigraphic, structural, igneous, and physiographic geology and mineral resources of the state. Prerequisite: Geol. 1-2. (Given in alternate years; given in 1928-29.) (KIRKHAM, LANEY)
- 119 SOIL GEOLOGY 3 credits First semester
Covers the origin, transportation, and general formation of soils; rock disintegration and decay; and the relation of soils to rocks. Studies of surface forms and drainage, both surface and underground, their relation to soils, the effect of climate upon them, and the mineralogical composition of the principal types of soils. Designed primarily for students in Agriculture and Forestry, but open to all students. Prerequisite: Geol. 1-2. (Given in alternate years; given in 1929-30.) (LANEY)
- 120 PETROLEUM GEOLOGY 2 credits Second semester
A study of stratigraphy and structure with special reference to oil possibilities and petroleum engineering, including the origin, accumulation, occurrence, and production of petroleum, with a review of the world's greatest oil fields. An intensive study is made of topographic and geologic maps, field methods, and drill-

ing apparatus. Prerequisites: Geol. 1-2, 103-104; Chem. 1-2; Phys. 1-2. (Given in alternate years; given in 1929-30.) (KIRKHAM)

122 GEOGRAPHY AND CIVILIZATION 3 credits Second semester

A study of the relationships between geography and the beginnings and progress of civilization. The effects of geographic environments upon human history. A course designed for students in Education, History, and Business. Prerequisites: Geol. 1 or 22, and six credits in history. (KIRKHAM)

123-124 MINERAL RESOURCES 2 credits Each semester

A technical study of the mineral resources of the United States and the world, dealing with the sources, distribution, and reserves of the important economic minerals, including discussions of their use and importance in our economic life, the costs involved in their mining, transportation, smelting, and the labor necessary for the various processes. The course is designed to give the student a fairly comprehensive view of the mineral industry as a whole and the economic features involved in it. (Given in alternate years; given in 1928-29.) Prerequisite: Geol. 1-2. (LANEY)

125-126 CURRENT GEOLOGIC LITERATURE 1 credit Each semester

Reviews, reports, and critical study of all phases of geological publications. Prerequisites: Geol. 1-2 and junior standing. (LANEY, KIRKHAM)

128 METAMORPHIC GEOLOGY 2 credits Second semester

A study of the different types and kinds of rock and mineral alterations on the basis of the physical and chemical factors and changes involved. Lectures, recitations, reports, and assigned readings. Prerequisites: Geol. 1-2; Geol. 103-104; Chem. 1-2; Phys. 1-2. (Given in alternate years; given in 1928-29.) (LANEY)

130 METHODS OF GEOLOGICAL FIELD-WORK

2 credits Second semester

Lectures and assigned readings on methods of procedure in geological field-work, geological mapping, note-taking, and preparation of geological maps and reports and practical application of these principles in actual field-work. A definite area will be assigned to each student or to a group of students for topographic and geologic mapping and for the preparations of a geologic report. Prerequisites: Geol. 1-2, C. E. 3-4. (LANEY)

199-200 THESIS 2 credits Each semester

Must be taken by all students taking the geological option. Since this course will in most cases require field work, it will be necessary to consult the instructor in regard to this in the month of June preceding. (LANEY)

Primarily for Graduates

- 213 MINERAGRAPHY 2 credits First semester
Devoted to optical studies of opaque materials and ores, and various furnace products such as slags and mattes. The principles of photomicrography will be studied and many photomicrographs made. The course is designed to familiarize the student with the application of the microscope to the problems of geology, mineralogy, and metallurgy. Lectures, readings, and laboratory work. Prerequisites: Geol. 1-2, 103-104; Chem. 3. One hour of lecture and three hours of laboratory. (LANEY)
- 225-226 GEOLOGIC RESEARCH Credits to be arranged
This course is designed as advanced work for students taking the Geological Option and for graduate students in geological sciences. If possible the subject of research should be chosen during the latter part of the year preceding registration in the course. The applicant's qualifications must satisfy the instructors before admission to the work. (LANEY, KIRKHAM)

GERMAN

(See under Modern Languages)

GREEK

(See under Classical Languages)

HISTORY

Professor CHURCH, Associate Professor BROSNAN, Mrs. BLUMQUIST

Professor AXTELL

Primarily for Undergraduates

- 1 THE EARLY MIDDLE AGES 3 credits First semester
European history from the decay of the Roman Empire to the revival of the Roman law in the twelfth century. The beginnings of the three chief medieval institutions—the Christian church, the Holy Roman Empire, and the feudal system—are studied. The work consists of informal lectures and weekly written exercises by the students, based upon their collateral reading. (CHURCH. Given also at the Southern Branch)
- 2 THE LATER MIDDLE AGES 3 credits Second semester
Continuation of preceding course thru the Renaissance. Treats the rise of national monarchies in France and England, persistence of the imperial idea in empire and church, and emergence of the middle class, with consequent downfall of the feudal system and development of secular culture. (CHURCH. Given also at the Southern Branch)

- 3-4 MODERN EUROPE 3 credits Each semester
Chronologically a continuation of History 2, but essentially a distinct course, beginning when the absolute monarchy, victorious over the feudal system, comes into conflict with democratic principles which culminate in the French Revolution and Napoleon. It traces the evolution of the modern state-system and of international relations thru the break-up of the Concert of Powers. Primarily for those who have postponed the general requirement in history, and not open to freshmen. Informal lectures, written exercises in class, and collateral reading with auxiliary outline. (CHURCH. Given also at the Southern Branch)
- 6 ECONOMIC HISTORY 3 credits Second semester
A survey of the historical development in modern times of agriculture, industry, and commerce, currency and banking, population and labor. The work will consist of lectures with textbook and examinations. (CHURCH)
- 7-8 ENGLISH HISTORY 3 credits Each semester
A general course which surveys the political growth and the social development of England from the earliest times. The latter part emphasizes the expansion of Britain overseas. (BLOMQUIST)
- 9-10 HISTORY OF THE UNITED STATES, 1492-1789 3 credits Each semester
A general survey of the period from 1492 to 1789. A detailed study of the periods of discovery, exploration, colonization; England's struggle with France for North America; British rule in America; the American Revolution; the confederation and the constitution. Primarily for freshmen. (BROSNAN. Given also at the Southern Branch)
- 11-12 HISTORY OF THE UNITED STATES, 1789-1865 3 credits Each semester
A general survey of the period from 1789 onward; an intensive study of the Federalist regime; the Jeffersonian era; the Second War of Independence; the rise of a national consciousness; Jacksonian Democracy; expansion and "manifest destiny"; slavery in the territories; the growth of sectionalism; secession and the Civil War, 1861-1865. (BROSNAN)
- 13 GREEK CIVILIZATION 3 credits First semester
The course deals with the Grecian government, customs, art, literature, and institutions. It is carried on thru lectures by the instructor, and reports, papers, and written exercises by members of the class. May be elected as part of the eighteen credits in social sciences required of B.A. students. See page 52. (AXTELL. Given also at the Southern Branch)

- 14 ROMAN CIVILIZATION 3 credits Second semester
This course deals with the Roman government, customs, art, literature, and institutions. It is carried on thru lectures by the instructor, and reports, papers, and written exercises by members of the class. It may be elected as part of the eighteen credits in social sciences required of B.A. students. See page 52. (AXTELL. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 103 RENAISSANCE AND REFORMATION 3 credits First semester
Chivalry and humanism as terms descriptive of the culture of the late medieval and early modern period in Europe. The development of literature, painting, sculpture, and architecture, the revival of science, the age of discovery, the undermining of the church by the new critical spirit which proclaimed the awakening of the individual. Prerequisite: Hist. 1-2 or 13-14. (CHURCH)

- 104 RENAISSANCE AND REFORMATION 3 credits Second semester
The revolution in religious and political thought which accompanied the attack on the church in the sixteenth century. The growth of territorial churches and the conflict between divine right monarchy and representative government in church and state, with the emergence of a theory of religious toleration opposed to the practice of both. Prerequisite: Hist. 103 or 105. (CHURCH)

- 105 RECENT TIMES 4 credits First semester
A study of the European nations from about 1870, with especial reference to the Near and Far Eastern questions, and to colonial expansion in Asia and Africa. With these are discussed European problems that also contributed to the Great War. Prerequisites: Hist. 3-4, 11-12, or 6. (CHURCH)

- 107-108 ENGLISH CONSTITUTIONAL HISTORY 3 credits Each semester
English history, with special reference to the parliamentary system of government from Magna Charta to the modern cabinet. Lectures with collateral reading. Prerequisites: Hist. 1-2 or 9-10. (Not given in 1928-1929.) (BLUMQUIST)

- 119-120 HISTORICAL METHOD (PRO-SEMINAR) 2 credits Each semester
A course preparatory to historical research and to the teaching of history. It will be devoted to the study of simple selections of source material with the object of discovering their content, and using it in practical exercises in the outlining and presentation of historical topics. The subject for 1927-1928 will be "The French Revolution and Napoleon." (CHURCH)

121-122 RECENT AMERICAN HISTORY, 1865-1928

3 credits

Each semester

A detailed review of American history since the Civil War: an intensive study of the period of reconstruction and adjustment; national recuperation and development; the passing of the "Wild West"; the Granger and Greenback movements; the rise of big business; the Cleveland era; populism, free silver and the revolt of the West; the war with Spain; the Roosevelt regime; conservation and reclamation in the Far West; Woodrow Wilson and the World War; peace and its problems. (BROSNAN)

123 A HISTORY OF THE PACIFIC NORTHWEST

2 credits

First semester

A detailed study of the periods of discovery, exploration, the fur trade, the missionaries; the Oregon Trail migrations and the colonizing movement; the adjustment of the Oregon Boundary controversy; the new territories; the mining advance; the coming of the railways; progress in agriculture, industry and commerce; and a survey of present-day development. Not open to freshmen or sophomores. Essentially a research course; thesis required. (BROSNAN)

124 IDAHO AND THE INLAND EMPIRE

2 credits

Second semester

A study of the fur trade; the missionaries and first settlers; the mining era; territorial organization; the Indian wars; the cattle days; the sheep era; the coming of the railroads; statehood; progress in mining, forestry and agriculture; irrigation; and a survey of conditions and development since the World War. Not open to freshmen or sophomores. Essentially a research course; thesis required. (BROSNAN)

Primarily for Graduates

201-202 SEMINAR IN EUROPEAN HISTORY

Credits to be arranged

Each semester

The subject for 1928-29 is "Nationality and Nationalism." (CHURCH)

203-204 RESEARCH IN EUROPEAN HISTORY

1 to 5 credits

Each semester

Investigation of topics leading to the preparation of a thesis. Weekly conferences with the instructor in charge, in which the student is directed in reading, use of material, and writing of reports. (CHURCH)

205-206 RESEARCH IN AMERICAN HISTORY

1 to 5 credits

Each semester

Conferences in connection with thesis studies to be arranged with the instructor. (Not given in 1928-29.) (BROSNAN)

HOME ECONOMICS

Professor JENSEN, Associate Professors LEWIS and ELLIS, Assistant Professors JOHNSON and INGALLS, Miss TUTTLE, Miss THORNBUR

Mrs. BLUMQUIST, Mr. PRICHARD

FOODS

Primarily for Undergraduates

4-5 SELECTION AND PREPARATION OF FOODS

3 credits

Each semester

A study of the methods of cooking and a general survey of foods as to classification, composition, preservation, and value in diet. The underlying principles involved in the cookery of each class of foods are carefully studied. Care and construction of cooking apparatus. One lecture and two three-hour laboratory periods a week. Prerequisites: Chem. 1-2. (LEWIS) (H.Ec. 4 is given also at the Southern Branch)

For Advanced Undergraduates and Graduates

102 MARKETING AND SERVING

3 credits

Second semester

Preparation of food in family portions. Marketing, planning, and serving of meals. The course is intended to have a very direct bearing on home problems. Special attention is given to methods of teaching this course. One lecture and two three-hour periods a week. Prerequisites: Chem. 14; H.Ec. 4-5. (LEWIS)

103-104 DIETETICS

3 credits

Each semester

Study of food composition and metabolism; diets as influenced by age, occupation, habits of life, climate, and season; balanced rations, and computation of caloric values. In the second semester, infant feeding and special diets in disease are stressed. Teaching methods are discussed. Two one-hour periods and one three-hour period a week. Prerequisites: Chem. 1-2, 11-12, 14; H.Ec. 102; Zool. 1, 6; and Bact. 101. (JENSEN)

TEXTILES AND CLOTHING

Primarily for Undergraduates

23n-24 ELEMENTARY CLOTHING

2 credits

Each semester

Fundamentals of hand and machine sewing. The study of the sewing machine, its use and care; the use and adaptation of commercial patterns; making of simple garments; renovation and repair of clothing. Application is made of the principles of line and color as used in clothing. Study of personality as it applies to clothing. Two two-hour periods and one one-hour period a week. Credit for H.Ec. 23 will not be given until after completion of H.Ec. 24. (INGALLS. Given also at the Southern Branch)

26 TEXTILES 2 credits Second semester

The history and development of textiles; the study of fibers and of processes of manufacture; the identification of fibers and substitute materials chemically and by means of the microscope; the proper use of materials in relation to laundering and dyeing; and the use and value of cotton, wool, silk, linen, and other important fibers in clothing and household furnishings. One three-hour period a week and one one-hour period. (INGALLS. Given also at the Southern Branch)

66 COSTUME DESIGN 2 credits Second semester

A brief study of the development of clothing from the origin of dress to the present time. The principles of color and design and their application to the practical demands of the costume for various types of people, figures, and occasions. Two two-hour periods a week with outside work. Prerequisites: H.Ec. 24 and 62. (JOHNSON. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

105 ADVANCED CLOTHING 2 credits First semester

Garments designed from flat patterns. Emphasis on fitting and designing of garments. Discussion periods on clothing accessories and ready-to-wear clothing. Two three-hour periods a week. Prerequisites: H.Ec. 26 and 66. (INGALLS)

106 DRESSMAKING AND MILLINERY 2 credits Second semester

Designing and draping of more difficult garments on padded forms. Types of decoration emphasized. Six weeks spent on designing of felt and fabric hats. Hat renovation problems. Two three-hour periods a week. Prerequisite: H.Ec. 105. (INGALLS)

HOUSEHOLD ADMINISTRATION

For Advanced Undergraduates and Graduates

131 HOUSE MANAGEMENT AND SANITATION

3 credits First semester

Organization of the household; the hygiene of the home; the division of the income; household accounts and business points. Practical application of this course will be made in actual household work. Three lectures a week. Open to juniors and seniors. (LEWIS)

133 PRACTICE COTTAGE 2 credits Each semester

Every young woman who expects to graduate from the department is required to spend four weeks in a practice cottage. Here she will learn more fully how to manage a home. She will superintend the house, plan and cook all the meals, do all the buying and pay the bills. She will have a budget, and give an accurate account of all the expenditures. This course will give the young women a longed-for opportunity of applying their theoretical knowledge in a practical way. The practice cottage will, in so far as possible, reproduce home conditions. (JENSEN)

- 134 HOME NURSING 2 credits Second semester
Personal hygiene; the general care of the sick; emergencies and first aid to the injured. Open to juniors and seniors. Two two-hour periods a week, with outside work. (TUTTLE)

THE HOUSE

Primarily for Undergraduates

- 40 HOUSE CONSTRUCTION 2 credits Second semester
A study of the problems involved in designing a house; the plan, the interior and exterior design, building materials, and methods of construction. Two three-hour periods a week. Prerequisites: H.Ec. 61-62; 63. (PRICHARD)

For Advanced Undergraduates and Graduates

- 141 INTERIOR DECORATION 2 credits First semester
The principles of art applied to interior decoration; a study of period decoration, period furniture, and modern furnishings. Two two-hour periods a week with outside work. Prerequisites: H.Ec. 61, 62, 63. (JOHNSON)

ART

Primarily for Undergraduates

- 61n-62 ART STRUCTURE AND DESIGN 2 credits Each semester
Study problems in design involving principles of line, dark and light, color and composition. Applied design. One one-hour period; and two two-hour periods a week. Credit for H.Ec. 61 will not be given until after completion of H.Ec. 62. (JOHNSON. Given also at the Southern Branch)

- 63-64 FREEHAND PERSPECTIVE AND SKETCHING

2 credits

Each semester

The laws of perspective and their application for pictorial purposes. Study of form, light and shade, color, harmony, and composition. Two three-hour periods a week. Prerequisite: H.Ec. 62. (PRICHARD. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 165-166 ADVANCED DRAWING AND PAINTING

2 credits

Each semester

Advanced work in perspective, landscape, mural decoration, and drawing from life-model in charcoal, and water color. Two three-hour periods a week. Prerequisite: H.Ec. 61-62. (JOHNSON)

METHODS

For Advanced Undergraduates and Graduates

- 152 METHODS OF TEACHING HOME ECONOMICS

3 credits

Second semester

The relation of home-economics subjects to education; the different schools in which these subjects are taught; their place

in the curriculum; and the methods employed in teaching them; lesson plans, courses of study, and problems of equipment. This course is followed by H.Ec. 157, Observation and Practice Teaching. Three one-hour periods a week. Open to juniors and seniors in Home Economics. (ELLIS)

156 METHODS FOR HOME ECONOMICS EXTENSION WORKERS

2 credits

Second semester

This course is intended to give methods of procedure for extension workers in home economics. Each student must prepare and present lectures and demonstrations on various problems of the home. One three-hour laboratory period each week. Open to junior and senior home economics students only. (JENSEN)

153 METHODS IN RELATED ART AND RELATED SCIENCE

2 credits

First semester

Scientific principles applied to solution of problems arising in home economics; art principles applied to costume design and interior decoration. Two lectures a week. (ELLIS)

154 METHODS OF TEACHING ART 2 credits

Second semester

This course covers the methods of presenting the subject matter given in the twelve grades of the public schools. It includes design, construction, paper cutting, water color, costume and design, interior decoration, toys, weaving. Two three-hour periods a week. Prerequisites: H.Ec. 61, 62, 63. (JOHNSON)

157 OBSERVATION AND TEACHING IN HOME ECONOMICS

5 credits

Either semester

Observation and teaching under supervision in the domestic science classes of the Moscow High School. Open only to students who have taken Home Economics 152. (JENSEN, ELLIS, THORNBERRY)

HOME ECONOMICS FOR B.A. STUDENTS

Primarily for Undergraduates

1 COOKING AND SERVING (B.A.) 2 credits

Each semester

For students not registered in Home Economics, this general course is offered as an elective. This will include briefly the preparation of food and serving of meals, the care and management of the house, marketing, etc. Two three-hour laboratory periods a week. (LEWIS. Given also at the Southern Branch)

21 CLOTHING (B.A.) 2 credits

First semester

For students not registered in Home Economics, this general course in Clothing is offered as an elective. It gives practice in cutting, fitting, making, and remodeling of garments, and includes the selection and care of clothing. Two three-hour periods a week. (JOHNSON)

For Advanced Undergraduates and Graduates

- 136 THE FAMILY 2 credits Second semester
History of the family as a social and educational institution.
Open only to women. (BLOMQUIST)

HOME ECONOMICS RESEARCH

Primarily for Graduates

- 201-202 RESEARCH

HORTICULTURE

Professor VINCENT, Assistant Professor VERNER

Primarily for Undergraduates

- 2 INTRODUCTION TO HORTICULTURE 4 credits Second semester

This course comprises the fundamentals of horticulture and is designed as an introduction to the subject. A general survey is made of the field of horticulture. It covers the general principles of fruit-growing from a farm and commercial standpoint; vegetable gardening with special reference to the home garden; and landscape gardening as applied to the beautifying of the home grounds. Sophomore year. Three recitations and one three-hour laboratory period a week. (VINCENT. Given also at the Southern Branch)

- 4 VEGETABLE GARDENING 2 credits Second semester

The work in this course will embrace a study of the classification, culture, requirements, handling and storage of vegetables, with special emphasis on the small home garden. Attention will be given to such topics as vegetable garden soils, tillage, implements, fertilizers, hotbeds, transplanting, seeds, seed-sowing, and varieties. One recitation and one three-hour laboratory period a week. (VERNER)

- 5 FLORICULTURE 2 credits First semester

This course will make a study of a wide range of garden flowers and greenhouse plants from two standpoints: first, their botanical relationship, with considerable attention to their historical origin; second, cultural requirements, with practical work in propagation and culture of some of the more important greenhouse and garden plants. One lecture and one three-hour laboratory period a week. (VERNER)

- 6 HOME FLORICULTURE 2 credits Second semester

Practical methods of growing flowers and ornamental plants. Actual practice will be given in propagation of the common greenhouse plants, and in starting plants from seed, indoors and outdoors, both in frames and in the open. Attention will be given to the following topics: potting, soils, insect pests, diseases of

plants, winter-blooming bulbs, porch boxes, hanging baskets, etc. A study will be made of the various annual, biennial, and perennial bedding plants and the summer-blooming bulbs, with emphasis on their employment for home decoration. The underlying principles of landscape gardening as applied to the ornamentation of the home place will also be considered. One recitation and one three-hour laboratory period a week. (VINCENT)

8 POTATO CULTURE 2 credits Second semester

A course designed to meet the needs of those who desire to grow potatoes on a commercial scale. These subjects are considered: history, acreage, distribution, classification, breeding, climate, soils and rotation, fertilizer, planting, irrigation, diseases, insect pests, etc. One lecture and one three-hour laboratory period a week. (VINCENT)

10 LANDSCAPE GARDENING 3 credits Second semester

A study of the elementary principles underlying the use of plants for beautifying private and public grounds. Two recitations and one three-hour laboratory period a week. (VERNER)

For Advanced Undergraduates and Graduates

101-102 PRACTICAL POMOLOGY 3 credits Each semester

A study of general and fundamental principles of fruit-growing. The student is expected to become skillful in planting, pruning, thinning, harvesting, and packing. Practical problems in growing and handling commercial orchards. The small-fruits industry: the strawberry, blackberry, raspberry, gooseberry, etc., from the standpoint of classification, propagation, planting, pruning. Junior year. Two recitations and one three-hour laboratory period a week. (VINCENT)

103 SYSTEMATIC POMOLOGY 2 credits First semester

The description, nomenclature, and classification of the common fruits. Practice in fruit-judging and displaying. A large collection of fruit from Idaho and other states enables the student to become skillful in recognizing types. Lectures, reference reading, and laboratory. Junior year. One recitation and one three-hour laboratory period a week. (VINCENT)

104 TRUCK GARDENING 3 credits Second semester

The growing of vegetables from a commercial standpoint; methods of production of vegetables in use in the various trucking and market-gardening sections and in localities where vegetables are grown largely for canning factories; consideration of such topics as labor, machinery, rotation, fertilizers, marketing, crop diseases, and pests. Two recitations and one three-hour laboratory period a week. Prerequisite: Hort. 4, or equivalent. Junior year. (VERNER)

- 105 COMMERCIAL POMOLOGY 3 credits First semester
Problems of packing, marketing, transportation, storage and storage-house construction, markets, formation of fruit growers' associations, and handling by-products. Senior year. Three recitations a week. (VINCENT)
- 106 SPRAYING 3 credits Second semester
Essential subjects relative to spraying. History, materials, apparatus, and various methods employed in combating insects and fungi. Ample time is given for the student to become efficient in spraying by practice in the college orchard. Senior year. Two lectures and one three-hour laboratory period a week. (VERNER)
- 108 LANDSCAPE DESIGN AND PLANT MATERIALS 3 credits Second semester
A systematic study of trees, shrubs, and flowers most used in landscape gardening, with especial reference to their landscape values. Considerable collateral reading on landscape theory and design. Part of the laboratory periods will be devoted to the making of planting plans. Prerequisite: Hort. 10. Two lectures and one three-hour laboratory period a week. (VINCENT)
- 110 EVOLUTION OF HORTICULTURAL PLANTS 2 credits Second semester
This course is especially suited to those who care to engage, in a practical way in the improvement of horticultural plants. Theories of evolution are taken up in such a manner as to give fundamental knowledge of the requisites for plant improvement. Lectures, reference reading, and laboratory work. Elective in the senior year. Two recitations a week. (VERNER)
- 111-112 PRACTICUMS 2 credits Each semester
A course designed especially to prepare students for positions as orchard foremen, horticultural advisers, consulting horticulturists, and orchard inspectors. They are expected to become familiar with all the various phases of orchard management, such as orchard soils, tillage, operation of by-products establishments, varieties, managing packing houses, handling men, etc. Elective in senior year. Two three-hour laboratory periods a week. (VINCENT, VERNER)
- 113-114 THESIS AND SEMINAR 2 credits Each semester
The study of advanced problems in horticulture. This work is especially arranged for seniors and graduate students. The student is given practice in planning and conducting experiments. Initiative, ability and a true investigational spirit are given an opportunity for development. Senior year. (VINCENT)

Primarily for Graduates

- 201 ADVANCED POMOLOGY 3 credits First semester
Studies of special problems, such as the geography of fruit-growing, showing the adaptations of varieties of fruit to different localities, and the improvement of orchard fruits. (VINCENT)
- 202 EXPERIMENTAL HORTICULTURE 3 credits Second semester
A course designed for those intending to follow horticulture as a profession or to take up experiment-station work. (VINCENT, VERNER)

ITALIAN

(See under Modern Languages).

JOURNALISM

(See under English)

LATIN

(See under Classical Languages)

LAW

Professors DAVIS,* HARRIS, and MECHEM, Associate Professor JACOB,
Assistant Professor MOREAU

Courses 101, 102, 104, 111, 112, 115, 116, 214, 216, 217, 219, 220, and 228, are open to junior and senior students in the College of Letters and Science and in the other colleges, in which they will be credited according to their respective regulations. Before registering, students should consult the Dean of the College of Law.

In Courses 101-102; 115-116; 205-206; 207-208; 235-236; and 237-238; no credit will be given for the work of the first semester until the work of the second semester is completed and an examination upon the entire course is passed.

FIRST YEAR

(Required)

- 101n-102 CONTRACTS 3 credits Each semester
Williston's *Cases on Contracts* (MOREAU)
- 104 AGENCY 4 credits Second semester
Wambaugh's *Cases on Agency*. Selected cases on workmen's compensation. (MECHEM)

*On leave, 1927-28.

105	CRIMINAL LAW	3 credits	First semester
	Mikell's <i>Cases on Criminal Law</i> . (MOREAU)		
109	CIVIL PROCEDURE	3 credits	First semester
	Magill's <i>Cases on Civil Procedure</i> (HARRIS)		
111	PERSONAL PROPERTY	2 credits	First semester
	Bigelow's <i>Cases on Personal Property</i> . (JACOB)		
112	RIGHTS IN LAND†	3 credits	First semester
	Bigelow's <i>Cases on Rights in Land</i> (DAVIS)		
115n-116	TORTS	2 credits	First semester
		3 credits	Second semester
	Bohlen's <i>Cases on Torts</i> . (MECHEM)		

SECOND YEAR

(Twelve hours, including alternating courses, required each semester)

201-202	EQUITY	3 credits	Each semester
	Cook's <i>Cases on Equity</i> , Vols. 1 and 2. (JACOB)		
203	LEGAL BIBLIOGRAPHY	1 credit	Second semester
	(HARRIS)		
204	CODE PLEADING	3 credits	Second semester
	Throckmorton's <i>Cases on Code Pleading</i> . (HARRIS)		
207n-208	EVIDENCE	3 credits	First semester
		2 credits	Second semester
	Thayer's <i>Cases on Evidence</i> , Maguire's Edition. (HARRIS)		

THIRD YEAR

(Twelve hours, including alternating courses, required each semester)

219-220	CONSTITUTIONAL LAW	2 credits	First semester
		3 credits	Second semester
	Hall's <i>Cases on Constitutional Law</i> . (JACOB)		
235n-236	PRIVATE CORPORATIONS	2 credits	Each semester
	Richards' <i>Cases on Corporations</i> . (MECHEM)		
237	TRIAL PRACTICE	2 credits	First semester
	Selected cases. (HARRIS)		
238	PRACTICE COURT	2 credits	Second semester
	(HARRIS)		
240	CONFLICT OF LAWS†	3 credits	Second semester
	Lorenzen's <i>Cases on Conflict of Laws</i> . (DAVIS)		

†Omitted in 1927-28.

ALTERNATING IN SECOND AND THIRD YEARS

205n-206	TRUSTS*	2 credits	Each semester
	Scott's <i>Cases on Trusts</i> . (JACOB)		
210	PROFESSIONAL ETHICS*	2 credits	First semester
	Costigan's <i>Cases on Legal Ethics</i> . (MECHEM)		
211	WILLS AND ADMINISTRATION†	3 credits	Second semester
	Costigan's <i>Cases on Wills</i> . (———)		
212	TITLES TO REAL ESTATE*	3 credits	Second semester
	Aigler's <i>Cases on Titles</i> . (MOREAU)		
215	PARTNERSHIP*	3 credits	First semester
	Crane and Magruder's <i>Cases on Partnership</i> . (MECHEM)		
216	MINING RIGHTS*	3 credits	Second semester
	Costigan's <i>Cases on Mining Law</i> . (MOREAU)		
217	PUBLIC UTILITIES†	3 credits	First semester
	Case book to be announced. (DAVIS)		
218	NEGOTIABLE INSTRUMENTS**	3 credits	Second semester
	Case book to be announced. (DAVIS)		
221	SALES**	3 credits	First semester
	Woodward's <i>Cases on Sales</i> . (MECHEM)		
228	WATER RIGHTS**	2 credits	First semester
	Bingham's <i>Cases on Water Rights</i> . (MECHEM)		
234	COMMUNITY PROPERTY**	2 credits	First semester
	(HARRIS)		

The following course, offered in the School of Business Administration, is not counted toward the degree of LL.B.

165-166	BUSINESS LAW	3 credits	Each semester
	Bay's <i>Cases on Commercial Law</i> . (MOREAU)		

*Offered in 1927-28 and in alternate years thereafter.

**Offered in 1928-29 and in alternate years thereafter.

†Omitted in 1928-29.

MATHEMATICS

Professor TAYLOR, Assistant Professor BENDER, Mr. HARRIS,
Mr. BUNCH

Primarily for Undergraduates

- 1-2 FRESHMAN MATHEMATICS 4 credits Each semester
College algebra, trigonometry, and analytic geometry. This course is open to all freshmen who have entered regularly, and is required of all freshmen in the School of Mines, the School of Forestry, and the Curriculum in Architecture. Mathematics 1 is required of students in the Pre-Medical and Business Curricula. (BENDER, BUNCH, HARRIS. Given also at the Southern Branch)
- 3 FRESHMAN MATHEMATICS 3 credits First semester
Fundamental methods of college algebra, relations among variables, introduction to plane trigonometry. Required of freshmen in the College of Agriculture. (TAYLOR. Given also at the Southern Branch)
- 11-12 FRESHMAN MATHEMATICS 5 credits Each semester
Subject matter same as Math. 1-2 with additional emphasis upon computation and upon construction and interpretation of graphs. Required of freshmen in the College of Engineering. (BENDER, BUNCH, HARRIS. Given also at the Southern Branch)
- 14 MATHEMATICS OF FINANCE 3 credits Second semester
The mathematical principles involved in the problems of compound interest, annuities, bonds, and insurance. Required of all sophomores in the Business Curriculum, except those in the Secretarial Major. Prerequisite: Math. 1. (BENDER, HARRIS. Given also at the Southern Branch)
- *21-22 CALCULUS 4 credits Each semester
The fundamental processes and applications of differential and integral calculus. Prerequisite: Math. 1-2 or 11-12. Required of sophomore engineering students and of all students who major in mathematics. (TAYLOR, BENDER, HARRIS. Given also at the Southern Branch)
- 52 GENERAL ASTRONOMY 3 credits Second semester
An introduction to descriptive and spherical astronomy. Prerequisite: Math 1-2 or 11-12. (—————)

For Advanced Undergraduates and Graduates

- 101 ENGINEERING MATHEMATICS 3 credits First semester
Advanced graphical methods, standard types of differential equations, complex and hyperbolic functions, harmonic analysis. Prerequisite: Math. 21-22. Required of juniors in Electrical Engineering. (TAYLOR)

*For students in the College of Letters and Science, and in the School of Education, this course will count as an advanced subject.

102 MATHEMATICS OF STATISTICS 3 credits Second semester
The mathematical principles underlying the modern theory of statistics. Development of fundamental formulas. Prerequisite: Math. 21. (BENDER)

111 HIGHER ALGEBRA 3 credits First semester
Determinants, theory of equations, polynomials, and infinite series. Prerequisite: Math. 21-22. (TAYLOR)

112 HIGHER GEOMETRY 3 credits Second semester
An introduction to advanced methods in the fields of synthetic, analytic, projective, and differential geometry. Prerequisite: Math. 21-22. (TAYLOR)

121-122 ADVANCED CALCULUS 3 credits Each semester
Partial differentiation, definite integrals, vector analysis, line and surface integrals, differential equations of mathematical physics. Prerequisite: Math 21-22. (TAYLOR)

142 TEACHERS' COURSE 3 credits Second semester
Selected topics in the theory of numbers, foundations of algebra and geometry, modern synthetic geometry, and history of mathematics. Designed especially for those who expect to teach mathematics in the high school. Prerequisite: Math. 1-2 or 11-12, and Math. 21. (TAYLOR)

Primarily for Graduates

201-202 SEMINAR 3 credits Each semester
Selected topics will be assigned for individual study. Written reports will be required. Regular conferences will be held for criticism and discussion. Open to graduate students only. (TAYLOR)

221 THEORY OF FUNCTIONS 3 credits First semester
An introductory course in the theory of functions of a complex variable. Prerequisite: One semester of advanced calculus. (TAYLOR)

222 DIFFERENTIAL EQUATIONS 3 credits Second semester
An advanced course in ordinary and partial differential equations, including methods of solution, fundamental existence theorems, and applications in the fields of analysis, geometry, and mathematical physics. Prerequisite: one semester of advanced calculus. (TAYLOR)

MECHANICAL ENGINEERING

Professor GAUSS, Assistant Professors CANDEE and BAILEY, Mr. DOLE

Primarily for Undergraduates

- 1 WOOD SHOP 1 credit First semester
Exercises in wood working, both bench and lathe work, including the use of wood-working machines. Three hours in shop. (Given also at the Southern Branch.)
- 2 FORGE SHOP 1 credit Second semester
Exercises in forging iron and steel, in heat treatment and tempering. Instruction in oxy-acetylene welding and in the use of forging machinery. Three hours in shop. (Given also at the Southern Branch.)
- 3 MACHINE SHOP 2 credits First semester
Bench work in metals, chipping, filing, fitting. Exercises in machine tool work, turning, planing, threading, drilling, milling and grinding. Six hours in shop. (Given also at the Southern Branch.)
- 4 FOUNDRY 3 credits Second semester
Exercises in pattern making, and in foundry work, including moulding, core making, operation of the cupola and crucible furnaces. One lecture and six hours in shop. (Given also at the Southern Branch.)
- 5 MACHINE DRAWING 2 credits First semester
The making of shop drawings, both details and assemblies. One recitation and three hours in drafting room. (Given also at the Southern Branch.)
- 13 MECHANISM 3 credits First semester
Engineering Kinematics: Under this head are studied the principles underlying the action of the elementary combinations of which all machines are composed; the communication of motion by gear-wheels, belts, cams, screws, and link work; the various means of producing changes of velocity; and the principles of epicyclic trains, parallel and quick return motions. The solution of a large number of graphical and mathematical problems is required in this course. Two recitations and three hours in drafting room. Prerequisites: C.E. 1 and C.E. 2. (Given also at the Southern Branch.)

For Advanced Undergraduates and Graduates

- 121 THERMODYNAMICS I 3 credits First semester
An elementary course in heat engines covering the units involved in the more advanced courses; the fuels used for power plant purposes; the various types of steam boilers and their rat-

ings; boiler and boiler-room accessories; the steam engine, its history, types, valves and governors; steam turbines; gas engines. Prerequisite: Phys. 11-12.

- 122 THERMODYNAMICS II 3 credits Second semester
Fundamental principles pertaining to the theory and design of heat engines. The following subjects are considered in detail: nature and effects of heat; the laws of gases; conversion cycles; hot air engines; gas power; vapors; steam engines and turbines; mechanical refrigeration. Prerequisites: M.E. 121; Math. 21-22.
- 123 MACHINE DESIGN 2 or 3 credits Either semester
Fundamental principles involved in the design and operation of machinery. Studies of fastenings, belting and pulleys, transmission of power, gearings, couplings, clutches, brakes, shaftings and bearings. Prerequisites: Registration in C.E. 101 and 103; M.E. 13.
- 124 MACHINE DESIGN 2 credits Second semester
This course is a continuation of M.E. 121. Specific applications of theory to the design of machines. Data pertaining to machine design are accumulated and arranged for future reference. Prerequisite: M.E. 121.
- 125 MACHINE DESIGN 2 credits First semester
The student selects and designs an approved machine. Complete computations are made, and detail and assembly drawings prepared. Prerequisite: M.E. 124.
- 127 MECHANICAL ENGINEERING LABORATORY (GAS) 2 credits First semester
A course designed to demonstrate the theories and principles used in practice. Fuel consumption and efficiencies, carburetion, ignition, valve mechanisms, governing, the effect of compression, and lubricating oils are investigated. Six hours in laboratory. Prerequisites: M.E. 128 and registration in M.E. 129.
- 128 MECHANICAL ENGINEERING LABORATORY (STEAM) 2 credits Either semester
The generally approved methods of testing engines, turbines, pumps and auxiliary apparatus found in power plants. The calibration and proper use of testing apparatus. Report writing. Six hours in laboratory. Prerequisites: M.E. 122 and 123.
- 129 AERODYNAMICS 3 credits First semester
The general principles of aeronautics and the application of these principles to airplane design. Air foils and their combinations are studied in detail together with the effects of surface texture, scale effect, parasite drag, speed and climb calculations, stability, controls, and maneuverability. Prerequisite: senior standing.

- 133 STEAM POWER PLANT ENGINEERING 3 credits First semester
A comprehensive study of the design and operation of the various elements which make up a modern steam plant. The following topics are stressed: steam engines and turbines, condensers, lubricants, separators, testing and heat balance, specifications, cost of power, fuels, steam boilers, conveying systems, draft, feed water treatment and pumps. Prerequisites: M.E. 122, 123 and 128.
- 136 STEAM POWER PLANT ENGINEERING 2 credits Second semester
A continuation of M.E. 133. A complete power plant is designed to meet a prescribed set of conditions. Inspection trips are made to nearby plants. Prerequisite: M.E. 133.
- 139 SEMINAR 2 credits First semester
Written and oral presentations of book-reviews and descriptions of various engineering projects and machines. Prerequisite: senior standing.
- 140 SEMINAR 2 credits Second semester
A continuation of M.E. 139. Training in the systematic accumulation of data available in current literature. Emphasis is laid on clear and correct expression in written and oral reports. Prerequisite: senior standing.
- 141 THERMODYNAMICS 2 credits First semester
A continuation of M.E. 123. Prerequisite: M. E. 123.
- 142 AIRPLANE ENGINES 2 credits Second semester
The design and operation of airplane engines. A study of the various types and their applications to airplanes, together with power requirements, fuel consumption, and velocity of propulsion. Prerequisites: M.E. 123 and 129.
- 144 HEATING AND VENTILATION 2 credits Second semester
The principles involved in the practice of heating and ventilation; measurement of heat and temperature; appliances; heat losses; types of heating; temperature control; refrigeration; tests. Prerequisite: M. E. 128.
- 150 THESIS 3 credits Second semester
Prerequisite: senior standing.
- 152 HYDRAULIC MACHINERY 3 credits Second semester
The construction and arrangement of centrifugal pumps, turbines, and hydraulic machinery; principles of operation and characteristics; theory and design of turbine blading; pump impellers. Prerequisites: C.E. 101 and 104; M.E. 123.

Primarily for Graduates

- 201-202 RESEARCH Credits to be arranged Each semester
- 223-224 THERMODYNAMICS Credits to be arranged Each semester
The working and instructional facilities of the department will be placed at the disposal of qualified students selected for this work.
- 239-240 SEMINAR 1 credit Each semester
Subjects for investigation and group discussion will be selected in some field of special activity.

METALLURGY

Professor THOMSON, Assistant Professor ELLIS, Professor LANEY

For Advanced Undergraduates and Graduates

- 101 ORE DRESSING 4 credits First semester
General principles of ore dressing; preliminary operations; hand dressing; crushing; sizing; classifying; jigging; tabling; magnetic separation. The flotation process. Flow sheets of typical concentrators. Testing of ore to determine proper method of treatment, using small- and large-size machines; milling; cyaniding of gold and silver ores. Two lectures and two three-hour laboratory periods. Prerequisites: Phys. 1-2; Chem. 3-4. (ELLIS)
- 102 GENERAL METALLURGY 3 credits Second semester
Properties of metals and alloys; metallic compounds; ores and their values; fuels; refractory materials; pyro-metallurgical processes and apparatus; electro-metallurgical processes and apparatus; mechanical treatment of alloys; handling of gases; metallurgical products. Two lectures and one three-hour laboratory period. Prerequisites: Phys. 1-2; Chem. 3-4. (ELLIS)
- 103 FIRE ASSAYING 3 credits First semester
This course includes the determination of gold, silver, and lead in ores and metallurgical products according to the most approved methods in use in the mills and smelters of the west. After demonstration and instruction in the general principles and procedure, the student is required to develop skill and technique in the handling of a large number of determinations on pulps previously checked, and a high standard of accuracy is required. One lecture and one six-hour laboratory period. Prerequisite: Chem. 3-4. (ELLIS)
- 104 METALLURGY OF GOLD AND SILVER 2 credits Second semester
Gold ores: cyanidation, amalgamation, chlorination. Silver ores: direct amalgamation; hydro-metallurgical processes. Prerequisite: Met. 102. (ELLIS)

- 105 METALLURGY OF COPPER AND LEAD 2 credits First semester
Copper: production, uses, consumption; properties of copper and its alloys; ores and distribution; sampling and preparation of ores for treatment; outline of the metallurgy of copper; roasting of copper ores; chemistry; smelting in reverberatory and in blast furnaces; converting of copper matte; hydro-metallurgy; refining. Lead: properties of lead, its compounds and alloys; ores, production, uses; outline of the metallurgy of lead; smelting in the reverberatory furnace and in the ore-hearth; roasting in hand and mechanical furnaces; blast-furnace smelting; desilverization of base bullion; cupellation; refining. Prerequisite: Met. 102. (ELLIS)
- 106 METALLURGY OF IRON AND STEEL 1 credit Second semester
Manufacture of iron and steel; blast furnaces; puddling; cementation; crucible process; bessemer process; open-hearth process; iron and steel founding; heat treatment; malleable cast iron; constitution of iron and steel, and relation to physical properties; alloy steels. Prerequisites: Chem. 1-2; Phys. 1-2. (ELLIS)
- 108 PHYSICAL METALLURGY 2 credits Second semester
Constitution and properties of alloys; pyrometry and cooling curves; binary alloys; ternary alloys; phase rule; methods of metallographic research. Prerequisite: Met. 102. (Given in alternate years; given in 1929-30.) (LANEY)
- 109 ELECTRO-METALLURGY 1 credit First semester
Theory and application of the electric current to the treatment of ores and the refining of metals. Electrolytic refining of copper and lead; parting of silver and gold; treatment of sulphide ores; electrolysis of fused salts. Prerequisite: Met. 102. (ELLIS)
- 199-200 THESIS 2 credits Each semester
The first semester is optional and an elective may be substituted if desired. The second semester is required. (THOMSON)
- Primarily for Graduates*
- 201-202 METALLURGICAL INVESTIGATION
Credits to be arranged Each semester
Laboratory work on some problems in the metallurgical treatment of gold, silver, copper, lead, or zinc ores. For graduate students. (THOMSON)

MILITARY SCIENCE AND TACTICS

Colonel CHRISMAN, Major FULLER, Captain CRENSHAW, First Lieutenant HART, Band Leader NIELSEN, Staff Sergeants WOODS and BARNUM

RESERVE OFFICERS' TRAINING CORPS.—An Infantry unit of the Senior Division of the R.O.T.C. is established at the University under the National Defense Act of June 3, 1916, as amended by the Act of June 4, 1920.

The training is conducted in accordance with U. S. Army Regulations 145-10, and has for its primary object education of the student to become an officer of the army in time of war or other grave emergency; in time of peace to affiliate with the national guard or organized reserves and thus assist in their development. The course of instruction is progressive and is so arranged and presented as to render the student completing it an efficient company officer. Upon graduation he may elect to be commissioned in the Officers' Reserve Corps of the army.

ORGANIZATION.—For purposes of administration and instruction the students are organized as an infantry regiment with field staff and band under a type of discipline suited to their intelligence. The United States Government provides the necessary technical equipment and supplies, including uniforms, used in the work of the department.

ANNUAL ENCAMPMENT.—A Reserve Officers' Training Corps Camp for the Ninth Corps Area is established by the government each year, extending from June 15 to July 27. The valuable training received at this camp supplements that acquired at college and is of benefit to the student in many respects. Attendance is free from expense on the part of the student. It is required for advanced course students.

ADVANCED COURSE.—Emphasis is placed on the features of this course. Special attention is invited to the scope of its subjects and to the inducements offered, which amount to scholarships granted by the government.

RIFLE TEAMS.—The Department of Military Science and Tactics trains rifle teams of R.O.T.C. students and women students, both of which compete with similar teams of other institutions.

BASIC COURSE

Required: four hours a week of all able-bodied male students in the freshman and sophomore classes, and of those who are special students.

- 1-2 **FIRST YEAR** 2 credits Each semester
 (a) Theoretical: 56 hours (b) Practical: 74 hours
 Military courtesy. Command and leadership. Physical training. Infantry drill regulations. Rifle marksmanship. Military hygiene and first aid.
- 3-4 **SECOND YEAR** 2 credits Each semester
 (a) Theoretical: 56 hours (b) Practical: 74 hours
 Same subjects as in 1-2 (continued). Musketry. Interior guard duty. Scouting and patrolling. Automatic rifle. Combat principles.

ADVANCED COURSE

Elective: five hours a week for students who have completed the basic course creditably. A student pursuing the advanced course will be commissioned in the regiment and receive cash and allowances amounting to more than \$250 for the two years.

- 105-106 **THIRD YEAR** 3 credits Each semester
 (a) Theoretical: 70 hours (b) Practical: 90 hours
 Command and leadership. Infantry drill regulations. Field engineering. Military sketching. Machine gun. Combat principles.
- 107-108 **FOURTH YEAR** 3 credits Each semester
 (a) Theoretical: 70 hours (b) Practical: 90 hours
 Command and leadership. Infantry drill regulations. Administration. Military history. Tactics. Infantry weapons. Military law. Rules of land warfare.

MINING

Professor THOMSON, Assistant Professor ELLIS

Primarily for Undergraduates

- 1-2 **THE MINERAL INDUSTRY** 1 credit Each semester
 A general study of the methods used in the prospecting and exploitation of mineral deposits and of the more important metallurgical operations and kindred processes employed in preparing mineral products for industrial use. This course is planned for freshmen in the School of Mines and for other persons who, altho not intending to follow mining as a profession, desire a general acquaintance with our important mineral resources and their utilization. (THOMSON. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 101 **ELEMENTS OF MINING** 3 credits First semester
 Prospecting, boring, drilling, explosives and blasting, rock breaking, support of excavations, underground transport, mine

drainage, ventilation, quarrying, open-pit and alluvial mining.
Prerequisites: Math. 1-2; Phys. 1-2. (ELLIS)

103-104 MINE PLANT DESIGN 3 credits Each semester

The student either chooses or is assigned a mine with certain output and conditions, and designs a plant and the necessary machinery from these data. This includes design of shaft or entry, head frame, hoist, compressor, air-pipe line, pumps and connections, boilers, electric installation, method of mining, etc. A detailed drawing of the head frame and ore bin is required, and specifications for all other machinery. Prerequisite: C. E. 6. (THOMSON)

105 MINING ECONOMICS 2 credits First semester

Mine sampling, including the principles involved and the different methods used in sampling veins, placer deposits, disseminated deposits, coal, etc.; mine valuation; calculation of value in sight from width and assays; probable and prospective ore; amortization of capital invested; cost of production, simple cost-keeping; the more important points in the mining law of the United States; essential features of reports by mining engineers. Prerequisite: Geol. 103-104. (THOMSON)

106 MINE SURVEYING 2 credits Second semester

Lectures on the standard methods of surveying practiced in the large mining districts of this country, including instruments and equipment; carrying the meridian underground; measurement of angles and distances; underground stations and methods of marketing; note-books and office records; maps required; stope surveying, mapping, and calculation of tonnage extracted. Drafting-room work consists of the calculation and reduction of notes from a mine survey and the plotting of same by coordinates. Claim surveying. Mine surveying on spring trip. Prerequisite: C. E. 3-4. (ELLIS)

108 MINE RESCUE AND FIRST AID 1 credit Second semester

A training course in the use of oxygen breathing apparatus as employed in fighting mine fire and rescuing persons overcome or entrapped as the result of underground explosions or fires; first aid to the injured, resuscitation, and artificial respiration. This course is given in cooperation with the U. S. Bureau of Mines, the mine rescue car visiting the campus at intervals for this purpose.

110 SENIOR TRIP 2 credits Second semester

A tour of inspection covering some important mining district. Notes and observations are taken of geological, mining, and metallurgical features. Required of all seniors, and open only to them.

- 199-200 THESIS 2 credits Each semester
The first semester is optional and an elective may be substituted if desired. The second semester is required. (THOMSON)

Primarily for Graduates

- 201-202 MINING RESEARCH PROBLEMS
Credits to be arranged Each semester
Special problems and investigations in mining methods, mining machinery, equipment, and design. (THOMSON)

MODERN LANGUAGES

Professor ELDRIDGE, Professor *SARGENT, Associate Professor TROMANHAUSER, Assistant Professors HOWE and ASHBY, Mrs. HAMMAR, Miss RENTFRO, Mr. VÁZQUEZ, Miss PRATER, Miss MITCHELL, Miss STUROW

FRENCH

Students who present two years of high-school French for admission will continue in French 9-10 and 11-12. Those who have had one year of high-school French may take French 2, but in many cases it will be advisable to register for French 1 in review. Elementary French and Elementary Spanish may not be taken the same year. No credit is given for French 1 until French 2 is completed.

Those who wish a recommendation to teach French must take French 11-12, 9-10 (or 13-14), 111, 192, and at least ten credits in advanced literature.

Primarily for Undergraduates

- 1n-2 ELEMENTARY FRENCH 4 credits Each semester
In this course stress is laid upon the following points: the acquisition of a good pronunciation; a thoro grounding in the essentials of French grammar; facility in understanding and taking part in simple idiomatic conversation; simple prose composition; elementary readings. May be begun either semester. Various sections meet three, four, or five times a week, depending on the proficiency of the students. (SARGENT, ASHBY, HAMMAR, RENTFRO, MITCHELL, STUROW. Given also at the Southern Branch)
- 9-10 SUPPLEMENTARY FRENCH 4 credits Each semester
A special course for those who offer two years of high-school French. It is parallel to French 13-14, but contains more grammar review. Students who have made D in French 2 are required to take this course if they continue in French. (ASHBY, HAMMAR, MITCHELL)

*First semester, 1927-28.

11-12 COMPOSITION AND CONVERSATION

2 credits

Each semester

A systematic review of French grammar, with frequent illustrative composition exercises. Intensive drill in phonics and in idiomatic constructions, with training in self-expression in French. This course is open to all who have had French 1-2, or two years of high-school French; it is required of all majoring in French, and of all students before taking any advanced course in French. (ASHBY, STUROW. Given also at the Southern Branch)

13-14 INTERMEDIATE FRENCH

3 credits

Each semester

The aim of this course is to give the student an accurate and fluent reading knowledge of French prose. Idioms, irregular verbs, syntax, and conversation based on the text. May be begun either semester. (ASHBY, HAMMAR, RENTFRO, MITCHELL, STUROW. Given also at the Southern Branch)

15-16 SCIENTIFIC FRENCH

3 credits

Each semester

A special reading course open only to students majoring in science. Prerequisite: French 1-2. A French scientific reader and collateral reading in French scientific journals. (HOWE. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

111-112 ADVANCED COMPOSITION AND CONVERSATION

2 credits

Each semester

A thoro study of advanced grammar and composition. Constant drill in conversation. Prerequisites: French 11-12; 9-10 (or 13-14). (ASHBY, STUROW)

115-116 ADVANCED SCIENTIFIC FRENCH

1 or 2 credits

Each semester

Directed reading in scientific French, open to those who have had French 15-16 and to others by special permission. Forty-five hours of reading per credit and weekly reports to the instructor. (HOWE)

121-122 A SURVEY OF FRENCH LITERATURE

3 credits

Each semester

A study of the development of French literature from its origins to our day. Lectures, reading, reports. Open to students who have had French 11-12 and 9-10 (or 13-14). (SARGENT, STUROW)

135-136 THE NINETEENTH CENTURY

3 credits

Each semester

An intensive reading course with accompanying lectures on the development of the various schools of French literature during the nineteenth century. Prerequisites: French 9-10 (or 13-14), and French 11-12. (Alternates with 143-144; given in 1929-30.) (HOWE)

141-142 THE SEVENTEENTH CENTURY DRAMA

3 credits

Each semester

After a preliminary study of the period, most of the masterpieces of Corneille, Molière, and Racine are read. Prerequisites: French 121-122, 135-136, or 143-144. Required of all majoring in French. (ELDRIDGE)

143-144 THE EIGHTEENTH CENTURY

3 credits

Each semester

The main ideas and tendencies of the period as illustrated by the lives and works of its most important authors. Lectures, reading, and reports. Prerequisites: French 9-10 (or 13-14), and French 11-12. (Alternates with French 135-136; given in 1928-29.) (HOWE)

145-146 CONTEMPORARY LITERATURE

3 credits

Each semester

An intensive reading course with accompanying lectures on recent French literary production. Prerequisites: French 11-12; 9-10 (or 13-14) and one advanced literature course. (VÁZQUEZ)

192 TEACHERS' COURSE IN FRENCH

2 credits

Second semester

Designed primarily for students desiring to teach. Thorough drill in phonetics and pronunciation. Consideration of methods of teaching and examination of texts and courses of study. Practice teaching and observation. Prerequisites: French 1-2, 9-10 (or 13-14), 11-12, and at least one course in literature. (SARGENT)

Primarily for Graduates

201-202 OLD FRENCH

3 credits

Each semester

Reading and interpretation of Old French texts selected from Constans: *Chrestomathie de l'Ancien Français*, with a study of Old French phonology and morphology. (ELDRIDGE)

221-222 THE LITERATURE OF THE RENAISSANCE

3 credits

Each semester

A study of the literature of the French Renaissance and the beginnings of classicism. Individual study and reports; lectures; class study of selected texts. (HOWE)

261-262 FRENCH SEMINAR

2 to 4 credits

Each semester

(ELDRIDGE)

271-272 RESEARCH

2 to 4 credits

Each semester

GERMAN

Students who present two years of high-school German for admission will continue in German 11-12 and 13-14. Those who have had one year of high-school German may take German 2, but in many cases it will be advisable to register for German 1 in review. No credit is given for German 1 until German 2 is completed. Ad-

vanced and graduate courses are given according to the needs of students.

Primarily for Undergraduates

1n-2 ELEMENTARY GERMAN 4 credits Each semester

The essentials of German grammar, with constant practice in pronunciation, simple translation from English into German, and the reading of easy narrative German. May be begun either semester. Selected texts. (ELDRIDGE, TROMANHAUSER, HAMMAR. Given also at the Southern Branch)

11-12 COMPOSITION AND CONVERSATION 2 credits Each semester

Grammar review and practice in writing and speaking German. Open to those who have completed German 1-2 or the equivalent, and required of those majoring in German and of all students before taking any advanced course in German. (HAMMAR. Given also at the Southern Branch)

13-14 INTERMEDIATE GERMAN 3 credits Each semester

Reading from modern and classic authors. Novel, epic, and drama from such authors as Baumbach, v. Wildenbruch, Ernst, Storm, and minor works of Heine and Goethe. Prerequisite: German 2, or two years of high-school German. (ELDRIDGE, SARGENT. Given also at the Southern Branch)

15-16 SCIENTIFIC GERMAN 3 credits Each semester

A special course in scientific German, open to those who have completed German 13-14 and to others by special permission. A science reader, followed by reading in scientific journals and short monographs. (ASHBY. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

115-116 ADVANCED SCIENTIFIC GERMAN

1 or 2 credits

Each semester

Directed reading in scientific German, open to those who have had German 15-16 and to others by special permission. Forty-five hours of reading per credit and weekly reports to the instructor. (ELDRIDGE)

121-122 SURVEY OF GERMAN LITERATURE

3 credits

Each semester

Selected readings, reports, and lectures. Robertson's *History of German Literature*, Thomas' *Anthology*. A general survey of German literature from earliest times. Prerequisites: German 11-12 and 13-14. Required for a recommendation to teach German. (ELDRIDGE)

- 131-132 THE MODERN NOVEL 2 credits Each semester
A reading course in novels of the last two centuries. Prerequisites: German 11-12 and 13-14. (ASHBY)
- 133-134 THE MODERN DRAMA 2 credits Each semester
A reading course in dramas of the nineteenth and twentieth centuries. Prerequisites: German 11-12 and 13-14. (ASHBY)
- 141-142 SCHILLER 3 credits Each semester
Schiller's biography. (Sime, with references to Thomas.)
Selected lyrics and ballads. *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Die Braut von Messina*, and the *Wallenstein* complete. Prerequisites: German 11-12 and 13-14. (ASHBY)
- 143-144 GOETHE'S LIFE AND WORKS 3 credits Each semester
Study of Goethe's life and development, in connection with his lyric poems; *Dichtung und Wahrheit*, *Götz von Berlichingen*, *Werther*, *Egmont*, *Tasso*, *Iphigenie*. Prerequisite: One advanced year-course in German. (ELDRIDGE)
- 146 FAUST 3 credits Second semester
Reading, interpretation, and discussion of *Faust I* and *II*, with collateral reading in Faust literature. (ELDRIDGE)
- Primarily for Graduates*
- 201-202 MIDDLE HIGH GERMAN 3 credits Each semester
Grammar, Michels: *Mittelhochdeutsches Elementarbuch*.
Reading of Hartman's *Der arme Heinrich*; the *Nibelungenlied*; selected poems of Walter von der Vogelweide; and selections from Wolfram von Eschenbach's *Parzival*. (ELDRIDGE)
- 271-272 RESEARCH 2 to 4 credits Each semester

ITALIAN

Primarily for Undergraduates

- 1-2 ELEMENTARY ITALIAN 3 credits Each semester
The essentials of Italian grammar, with constant practice in pronunciation, simple translation from English into Italian, and the reading of easy Italian. Required of music students majoring in voice; open to others only by permission of the instructor. (ASHBY)

SPANISH

Students who present two years of high-school Spanish for admission will continue in Spanish 9-10 and 11-12. Those having one year of high-school Spanish may take Spanish 2, but often it will be better to take Spanish 1 in review. No student may elect French 1 and Spanish 1 the same year. No credit is given for Spanish 1 until Spanish 2 is completed. Spanish 11-12, 9-10 (or 13-14), 111, and 192, and ten credits in literature must be taken by those desiring a recommendation to teach Spanish.

*Primarily for Undergraduates***1n-2 ELEMENTARY SPANISH 4 credits Each semester**

The aim of the course is to give the student a good pronunciation, facility in reading easy prose, and ability to understand and speak simple Spanish. May be begun either semester. Various sections meet three, four, or five times per week depending on the proficiency of the students. (TROMANHAUSER, HOWE, PRATER. Given also at the Southern Branch)

9-10 SUPPLEMENTARY SPANISH 4 credits Each semester

A special course for those who offer two years of high-school Spanish. It is parallel to Spanish 13-14, but contains more grammar review. Students who made D in Spanish 2 are required to take this course if they continue in Spanish. (TROMANHAUSER, HOWE, PRATER)

11-12 COMPOSITION AND CONVERSATION 2 credits Each semester

Drill in free reproduction and conversation based on texts. Open to those who have had Spanish 1-2 or two years of high-school Spanish; required of those majoring in Spanish. (TROMANHAUSER, VÁZQUEZ. Given also at the Southern Branch)

13-14 INTERMEDIATE SPANISH 3 credits Each semester

Reading of modern authors, conversation, review of grammar, and a study of idioms. The aim of this course is to give the student an accurate reading knowledge of modern Spanish. May be begun in either semester. (TROMANHAUSER, VÁZQUEZ. Given also at the Southern Branch)

111-112 ADVANCED COMPOSITION AND CONVERSATION 2 credits Each semester

A thoro study of advanced grammar and composition. Constant drill in conversation. Prerequisites: Spanish 11-12, 9-10 (or 13-14). (VÁZQUEZ)

115-116 BUSINESS CORRESPONDENCE AND CONVERSATION 3 credits Each semester

This course deals with business-letter forms, business interviews and conversation, and aims to familiarize the student with the vocabulary and phraseology of business. Open to students who have completed Spanish 11-12 and 9-10 (or 13-14). (HOWE)

121-122 HISTORY OF SPANISH LITERATURE 3 credits Each semester

A general survey of the history of Spanish literature, with special stress upon the most important movements and writers. Lectures, reading of selected texts, parallel reading, reports. To be conducted, so far as possible, in Spanish. Prerequisites: Spanish 11-12 and 9-10 (or 13-14). (HOWE)

- 131-132 THE NINETEENTH CENTURY NOVEL 3 credits Each semester
Representative novels selected from the following writers:
Fernán, Caballero, Alarcón, Valera, Pereda, Galdós, Valdés,
Pardo Bazán. Prerequisites: Spanish 11-12 and 9-10 (or 13-14).
Alternates with 133-134; given in 1928-29.) (TROMANHAUSER)
- 133-134 THE NINETEENTH CENTURY DRAMA 3 credits Each semester
Representative dramas selected from the works of the fol-
lowing: Moratin, Rivas, Bretón, Zorrilla, Gutiérrez, Hartzen-
busch, Avellaneda, Tamayo, Nuñez de Arce, Echegaray, Galdós.
Prerequisites: Spanish 11-12 and 9-10 (or 13-14). (Alternates
with 131-132; given in 1929-30.) (TROMANHAUSER)
- 141-142 THE GOLDEN AGE 2 credits Each semester
Cervantes' *Don Quijote*; a careful study of the life and works
of Lope de Vega and Calderón. Prerequisites: Spanish 11-12,
9-10 (or 13-14), 121-122. (SARGENT)
- 143-144 EIGHTEENTH CENTURY LITERATURE 2 credits Each semester
Critical study of the literary movements of the century.
Reading and reports of representative works of Moratin, Goro-
stiza, Valdés, Padre Isla, and others. Prerequisites: Spanish 9-10
(or 13-14) and 11-12. (SARGENT)
- 145-146 SPANISH LYRICS 2 credits Each semester
Selections from representative lyric writers from the thir-
teenth to the twentieth centuries. Prerequisites: Spanish 11-12
and 9-10 (or 13-14). (Given in 1928-29.) (TROMANHAUSER)
- 147-148 CONTEMPORARY LITERATURE 3 credits Each semester
Readings and discussions of contemporary writers, including
those of Spanish America. Prerequisite: Spanish 121-122. (SAR-
GENT, VÁZQUEZ)
- 192 TEACHERS' COURSE IN SPANISH 2 credits Second semester
Primarily for students desiring to teach. Thoro drill in
pronunciation and grammar. Consideration of methods of teach-
ing, examination of texts and courses of study. Practice teach-
ing and observation. Prerequisites: Spanish 1-2, 9-10 (or 13-
14), 11-22 and at least one course in literature. (SARGENT)
- Primarily for Graduates*
- 201-202 OLD SPANISH 2 credits Each semester
The elements of historical Spanish grammar, with an inten-
sive study of selected texts. Students electing this course should

have a fluent reading knowledge of Spanish, French, and Latin;
a knowledge of German is highly desirable. (HOWE)

261-262 SEMINAR IN SPANISH LITERATURE

2 to 4 credits

Each semester

(SARGENT)

271-272 RESEARCH

2 to 4 credits

Each semester

MUSIC

Professor KRATT; Assistant Professors CLARK, CLAUS, NYVALL,
JOHNSON, GARNETT; Miss CRAWFORD, Mr. HOWE, Mr. HOISINGTON

The Department of Music at the University of Idaho stands for certain ideas which may be stated in brief as follows:

(1) That training in music should be accompanied by, or based upon, a broad and thoro education;

(2) That the mission of a university department of music is to develop to the highest stage of artistic capability all those who give evidence of possessing musical talent;

(3) That the results aimed at can be attained only by committing the instruction to the hands of a faculty of the very first rank of artistic excellence and of reputation.

The growth of the department has been steadily progressive, until now its organization includes every important phase of music study. It has become a recognized center of study for the professional student as well as for the person primarily interested in music as an important element of general culture. The department maintains the same high standards of entrance, scholarship, discipline, and examinations as prevail in the other departments and schools of the University. All students who are candidates for the degrees in music must take, in addition to the regular music work, studies in liberal arts offered by the College of Letters and Science, of which the music department is a division, and also studies offered by the School of Education. Music courses are open to students of other divisions of the University, with credit.

ORGANIZED MUSIC

THE UNIVERSITY GLEE CLUB

THE TREBLE CLEF CLUB

THE UNIVERSITY CHORAL SOCIETY

Membership in these choral organizations is open to all students in the University who can qualify, after consultation with the director. They offer the students an unequalled opportunity for becoming familiar with a wide variety of chorus music, ranging from simple part songs to great classic and modern choral works. These organizations are under the direction of Professor Kratt and during the

school year are booked for performances thruout the state. The University Glee Club membership is made up of men and the Treble Clef Club of women, while both men and women make up the membership of the University Choral Society. One credit a semester is given for work done with the University Glee Club and the Treble Clef Club. For work done with the University Choral Society one credit for a year is given.

THE UNIVERSITY SYMPHONY ORCHESTRA

Membership in the University Symphony Orchestra is open to all students in the University who can qualify, after consultation with the conductor. Students who take this work have unusual opportunity for sight-reading and orchestral routine. It is obvious that while the pleasure of participation in such an organization is an important consideration, the value of thoro and careful study of a large amount of orchestra literature can not be overestimated by the serious student of music. The orchestra is under the direction of Assistant Professor Claus and gives, in addition to a full concert every semester, several out-of-town performances. One credit a semester is given for this work.

A Preparatory Orchestra has been organized recently for those students who wish orchestra work but who are not able to qualify for membership in the Symphony Orchestra. Credit is given for this work.

THE CADET MILITARY BAND

The Cadet Military Band is organized from members of the R. O. T. C. and others who register especially for this work. The band is under the direction of Mr. Bernt Neilsen, Band Leader, U. S. Army. Concerts are given thruout the year, giving the student interested in this work a fine opportunity for band routine.

THE PEP BAND

The Pep Band is a student organization under the leadership of a faculty member of the music department. Membership is open to all students who can qualify, after consultation with the director. The Pep Band furnishes music for the meetings of the A. S. U. I., at games, and on other special occasions.

CLASSIFICATION OF STUDENTS

All students taking instruction in the Department of Music will be classified in one of the following groups:

- A. Students who are candidates for the degree, Bachelor of Music.
- B. Students who are candidates for the degree, Bachelor of School Music.
- C. Students who are candidates for the degree, Bachelor of Arts with music (piano, voice, or violin) as a major study.
- D. Students who are candidates for the degree, Bachelor of Science in Education with public school music as a teaching subject.
- E. Students not classified in any of the above-named groups.

COURSES OF STUDY

Two special curricula are outlined for students specializing in music and working toward the music degrees. The one in applied music, leading to the degree of Bachelor of Music, is for students majoring in piano, voice, or violin. The one in public school music, leading to the degree, Bachelor of School Music, is for students majoring in public school music.

Students wishing to spend still more time on other subjects take the work prescribed by the College of Letters and Science for a Bachelor of Arts degree and use their applied music as a major subject.

By arrangement with the School of Education, students who are candidates for the degree, Bachelor of Science in Education, may take work prescribed in the Public School Music curriculum as a major subject.

The Department of Music offers private instruction in all the instruments of the band and orchestra. Credit for this work will be given. For information regarding this instruction see the DESCRIPTION OF COURSES.

A two years' course is offered in Organ.

Students from other departments and schools of the University may take courses as general elective subjects.

GENERAL MUSIC COURSES

Primarily for Undergraduates

1-2 SIGHT SINGING AND EAR TRAINING 1 credit Each semester

A thoro training in elementary theory is given which enables the student to read melodies at sight; to sing in two-part harmony. Dictation and ear-training are given proper emphasis. Wedge's textbook on *Sight Singing and Ear Training* is used, together with the supplementary sight-singing material. (GARNETT. Given also at the Southern Branch)

3-4 HARMONY 2 credits Each semester

Intensive drill in the underlying rudiments of music. Progressive formation of scales, intervals, and triads. Principles of chord connection in four parts, root orders, melodic leading, and metrical materials. Inversions of triads. The dominant seventh chord, its inversions, regular and irregular resolutions. The diminished seventh chord. Secondary seventh chords. Drill in simple modulation. Assigned melodies, basses, and original work. (NYVALL. Given also at the Southern Branch)

5-6 HARMONY 2 credits Each semester

A review of the underlying materials, with stress put upon original experiments in four parts. The more extended use of modulations. The introduction of free melodic and ornamental

tones. Choral settings of short poetic texts. The simpler forms of chromatic alterations of diatonic chord forms. The augmented sixth series. Original experiments in piano idiom. Piano accompaniment writing to assigned and original melodies. A short study of the extended methods of modulation. A demonstration of various modern aspects of harmonic materials. (NYVALL. Given also at the Southern Branch)

- 9 PIANO CLASS METHODS 1 credit First semester
In this course the student is made familiar with the best piano class methods of instruction. Observation of class instruction in Moscow schools is possible. (GARNETT)

- 11-12 • ADVANCED SIGHT SINGING AND EAR TRAINING 2 credits Each semester
The course follows Wedge's advanced course. Part singing in three and four parts is carried on thruout the year. An intensive study of the material used for sight-reading purposes is made, to give the student familiarity with the printed music page and its interpretation. (GARNETT. Given also at the Southern Branch)

- 13-14 KEYBOARD HARMONY 1 credit Each semester
Every point in theory is applied to the piano keyboard and exercises are given for practice. Wedge's textbook on *Keyboard Harmony* is used. The student is trained to play given exercises in every key and to modulate and transpose without use of notes. (GARNETT. Given also at the Southern Branch)

- 17-18 PIANO ENSEMBLE 1 credit Each semester
Piano duet playing for purposes of rhythmic feeling. Four-hand piano arrangements of simpler overtures and symphonies. The study of works for two pianos. (CLARK, CRAWFORD)

- 19-20 ACCOMPANYING 1 credit Each semester
Study in the art of playing piano accompaniments. Practical work with singers, violinists, and other instrumentalists. Open to students with sufficient experience. (KRATT)

- 61-62 VOCAL ENSEMBLE 1 credit Each semester
A study of standard part songs. Duet, trio, quartet, and chorus singing. Oratorios and operas. This work is taken in connection with membership in the University Glee Club, the Treble Clef Club, and other choral organizations. (KRATT)

- 63-64 VOCAL ENSEMBLE 1 credit Each semester
Continuation of 61-62. More advanced work for students who have completed the first year. (KRATT)

65-66 INSTRUMENTAL ENSEMBLE 1 credit Each semester
A study of works for string quartet, the orchestra, and the band. This work is taken in connection with membership in the University Symphony Orchestra, the Band, and other string and brass ensemble groups. (CLAUS, HOISINGTON)

67-68 INSTRUMENTAL ENSEMBLE 1 credit Each semester
Continuation of 65-66. More advanced work for students who have completed the first year. (CLAUS, HOISINGTON)

For Advanced Undergraduates and Graduates

101-102 HISTORY OF MUSIC 2 credits Each semester
Music of primitive nations. The music and instruments of the Bible. Music of the Early Christian Church. Rise and development of liturgy. Notation. Music and Renaissance. The polyphonic age. The rise of opera and oratorio. The periods of Bach and Handel, Haydn and Mozart. The advent of Beethoven. The rise of virtuosity and romanticism. Wagner and the new operatic tendencies. American musical development and modern tendencies. (KRATT)

103-104 FORM AND ANALYSIS 2 credits Each semester
Drill in chord-analysis combined with an analytical study of the better hymn-tunes and small instrumental forms. Simple and compound primary forms. Preludes, inventions, and dance forms of Bach. The sonata, with illustrations from Haydn, Mozart, and Beethoven. The form, with trio, aria or song form, the rondo, the theme with variations and the art song. Cantatas and oratorios. Prerequisites: Mus. 3-4, 5-6. (NYVALL)

105-106 COUNTERPOINT 2 credits Each semester
Counterpoint in the various species in two, three, and four parts. Double counterpoint, imitation, sequences, canons. The invention and the fugue in two parts. Counterpoint in five or more parts. Canon by augmentation, diminution, and inversions. Fugues in three and more parts. Double fugues. Prerequisites: Mus. 3-4, 5-6. (NYVALL)

109-110 INSTRUMENTAL AND VOCAL COMPOSITION 3 credits Each semester
Orchestration, score reading, and conducting. Exercises in polyphony from the harmonic standpoint. Exercises in the application of both poetry and prose to musical forms. Hymn tunes, duets, trios, quartets for various combinations. Writing of accompaniments for voice and solo instruments. Original writing. Prerequisites: Mus. 103-104, 105-106. (NYVALL)

111-112 CONDUCTING 2 credits Each semester
A thoro study is made of the principles of conducting and training choral organizations, orchestras, and bands. Appro-

priate material is studied and the student is given practical experience in conducting. The compasses, characteristics, and tonal effects of the instruments are given consideration and the student will receive training in score reading. (GARNETT, HOISINGTON)

- 113-114 CHURCH MUSIC 1 credit Each semester
Study of the history of church music from early Christian to modern times. A critical study of hymns, anthems, canticles, services, masses, cantatas, etc. Instruction in church music supervision. (KRATT)
- 115-116 MUSIC LITERATURE 2 credits Each semester
The literature of the piano, choral literature, and symphonic literature. Detailed study, by comparative and analytical methods, of the great masterpieces in the various fields of composition. (KRATT)
- 117-118 MUSICAL DRAMA 1 credit Each semester
This course must be taken by all students majoring in voice. The standard operas and operettas are studied. Stage principles are taught and the student is given an opportunity to perform in the annual spring opera. (KRATT)
- 171-172 SCHOOL MUSIC 2 credits Each semester
Music materials of the primary grades, presented according to the class methods employed in public schools. Rote songs; the child voice in singing, and treatment of the unmusical child; introduction of staff notation and the beginning of music readings; directed listening. Material and methods for the intermediate grades. Further development of music readings and introduction of the tonal and rhythmic problems. Prerequisites: Mus. 1-2, 11-12. (GARNETT)
- 173-174 PRACTICE TEACHING 2 credits Each semester
Observation and practice teaching in the public schools in Moscow. (GARNETT)
- 175-176 SUPERVISION 1 credit Each semester
The problems of the supervisor; teachers' meetings; programs to be held on special occasions; the functioning of school music in the community. (GARNETT)
- 177-178 HIGH-SCHOOL MUSIC 2 credits Each semester
Materials and methods for junior and senior high schools; the adolescent voice and its care; testing and classification of voices; public performances and the school assembly. Prerequisite: Mus. 171-172. (GARNETT)

PIANO

Assistant Professors CLARK and NYVALL; Miss CRAWFORD

The Department of Music seeks to develop not only pianists but musicians. On the practical side stress is laid on everything that can contribute to an absolute mastery of the instrument from the purely technical point of view. Technic, however, is looked upon as a means, rather than an end. Notice is taken of the fundamental defects in most preliminary instruction, and suitable remedies are provided.

The following list of studies and compositions is merely indicative of the work required each year.

Primarily for Undergraduates

- 21-22 PIANO PLAYING 2 or 4 credits Each semester
 For freshman year. Scales and arpeggios in various forms and tempi. Czerny, *opus* 299. Bach *Little Preludes and Fugues* and *Two-Part Inventions*. Easier sonatas by Beethoven, Haydn, and Mozart. Compositions by Schubert, Mendelssohn, Schumann, Grieg, and others. (Given also at the Southern Branch)
- 23-24 PIANO PLAYING 2 or 4 credits Each semester
 For sophomore year. Scales and arpeggios continued. Czerny, *opus* 740. Bach, *Three-Part Inventions*. Sonatas by Haydn, Mozart, and Beethoven. Compositions from classical and modern composers. (Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 125-126 PIANO PLAYING 2 or 4 credits Each semester
 For junior year. Scales and arpeggios continued. Bach, *Welltempered Clavichord*. Chopin, *Etudes*. Compositions by Beethoven, Schubert, Mendelssohn, Weber, Schumann, Tschaikowsky, MacDowell, and others.
- 127-128 PIANO PLAYING 2 or 4 credits Each semester
 For senior year. Scales and arpeggios continued. Continuation of Bach, *Welltempered Clavichord*, and Chopin, *Etudes*. Compositions by Schumann, Grieg, Moskowski, Rubinstein, Brahms, Liszt, Debussy, and others. Graduation recital.

VOICE

Professor KRATT, Assistant Professor JOHNSON

In this study, a normal, natural development of the given powers of every student is undertaken, in place of set methods which so frequently do not apply to the particular case. In other words, students are taught singing, not methods; and by singing is meant all the convincing ease and beauty implied by the term *bel canto*. Correct diction, whether in English, German, French, or Italian, is insisted upon, and is taught with the utmost care, in courses especially designed to meet the needs of vocalists.

Primarily for Undergraduates

31-32 SINGING 2 or 4 credits Each semester

For freshman year. A proper and definite breath control. A knowledge of vowels and consonants in their relation to the singing and speaking voice. Drill in tone production, resulting in a sustained and resonant tone of satisfactory quality and quantity. A demonstrable knowledge of a system of vocalises involving all major and minor scales, simple arpeggios and embellishments and phrasing. (Marzo, Concone, Sieber, Marchesi, and others.) Songs of moderate difficulty sung with correct intonation, time, tone quality, and interpretation. (Given also at the Southern Branch)

33-34 SINGING 2 or 4 credits Each semester

For sophomore year. Continued drill in technic of breathing, tone placing and phrasing. Easier oratorio selections and operatic arias. Art songs from the standard classics. Easy ensemble numbers. (Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

135-136 SINGING 2 or 4 credits Each semester

For junior year. Further drill in vocal technic. Ensemble singing from the standard operas and oratorios. Songs of advanced grade from classic and modern composers.

137-138 SINGING 2 or 4 credits Each semester

For senior year. An extensive repertoire from the best song literature. Performance of at least one complete role from a standard opera or oratorio. Graduation recital.

VIOLIN

Assistant Professor CLAUS

In the study of the violin, a carefully graded and very thorough course is pursued, in bowings as well as left-hand technic; but it is kept very flexible in order to conform to the peculiar needs of each individual student. Care is taken to cultivate the student's taste and develop a sense of style.

The following list of studies and compositions is merely indicative of the work required each year.

Primarily for Undergraduates

41-42 VIOLIN PLAYING 2 or 4 credits Each semester

For freshman year. Studies by Kreutzer and Sevcik. Scales and arpeggios in two and three octaves. Sonatas by Handel and Tartini. Concertos by Viotti, de Beriot, and others. Solo numbers. (Given also at the Southern Branch)

43-44 VIOLIN PLAYING 2 or 4 credits Each semester

For sophomore year. Continuation of studies by Kreutzer and Sevcik. Studies by Fiorilla and Rode. Sonatas and con-

certos by Handel, Vitali, Mozart, and others. Solo numbers by classical and modern composers. (Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 145-146 VIOLIN PLAYING 2 or 4 credits Each semester
For junior year. Scale System by Carl Flesch. Selected studies by Kreutzer, Fiorilla, Rode and Sevcik. Compositions by Wieniawski, Sarasate, Beethoven, Vieuxtemps, Kreisler, and others. Concertos by Bach and Mendelssohn.
- 147-148 VIOLIN PLAYING 2 or 4 credits Each semester
For senior year. Technical studies continued. Scale system by Carl Flesch. Studies by Dont. Compositions by Wieniawski, Saint Saens, Vieuxtemps, Tartini, Bruch, and others. Graduation recital.

ORGAN

Assistant Professor NYVALL

Two years of organ work are offered. To pursue this work to the best advantage students should have a thoro foundation of piano playing.

- 51-52 ORGAN PLAYING 2 or 4 credits Each semester
First year. Instruction books are used according to individual needs. Pedal phrasing studies. Trios by Rhienberger or Schneider. Bach, *Preludes and Fugues*. Sonatas by Guilmant, Faulkes, and others. (Given also at the Southern Branch)
- 53-54 ORGAN PLAYING 2 or 4 credits Each semester
Second year. Trios by Albrechtberger. Bach, *Preludes and Fugues*. Sonatas by Mendelssohn, Guilmant, Borowski, and others. Hollins, *Overtures*. (Given also at the Southern Branch)

ORCHESTRAL AND BAND INSTRUMENTS

Assistant Professor CLAUS; Mr. HOWE, Mr. HOISINGTON

Students may enrol for private instruction in any of the instruments used in the standard symphony orchestra or the standard military or concert band. One credit a week will be given for one lesson a week and two credits for two lessons a week. The classification and course information is given below.

Primarily for Undergraduates

- 81-82 STRINGED INSTRUMENTS 1 or 2 credits Each semester
On the two-credits-a-week basis the course in cello will cover a period of four years and all other instruments, except violin, one year. (For the violin course see Mus. 41 to 148.)
- 83-84 BRASS INSTRUMENTS 1 or 2 credits Each semester
On the two-credits-a-week basis the course in cornet, trumpet, or trombone will cover a period of three years; all other instruments, one year.

85-86 WOOD-WIND AND PERCUSSION INSTRUMENTS

1 or 2 credits

Each semester

On the two-credits-a-week basis the course in clarinet, flute, or oboe will cover a period of three years; all other instruments one year.

EXAMINATIONS

Regular examinations for classification and promotion are held at the close of each semester in all applied and general music courses, and the semester standing of a student in each of his courses is reported by the instructor to the registrar and is entered on record.

DEPARTMENTAL REGULATIONS

Students, wanting credit for work done, are not permitted to register for a briefer period than a full semester. Students may register for private lessons in applied music at any time and pay only for the number of lessons taken, but no credit will be given.

Students not of University rank may register for the courses in music but will not be given credit.

Tuition is payable in advance for the semester or unexpired portion thereof. Special arrangements may be made with the bursar to pay the semester fees in two equal installments at the beginning and end of the first nine weeks. Students entering after the opening of the semester are charged pro rata, except that no allowance will be made on account of absence from the first week in any semester.

No deduction will be made for lessons missed, nor will such lessons be made up. In case of serious illness, special arrangements will be made by the department. No lessons lost because of University holidays will be made up.

All students will be required to do their practicing in the regular practice rooms of Music Hall, Music Hall Annex, and Bartley Cottage, unless special permission is given to practice elsewhere.

Students are not permitted to perform in public without the consent of the instructor.

MUSIC TUITION

The following is a table of fees per semester for lessons in applied music, payable at the bursar's office and subject to the rules stated under DEPARTMENTAL REGULATIONS.

PIANO, VOICE, VIOLIN, ORGAN

One lesson a week, one-half hour.....	\$30.00
Two lessons a week, one-half hour each.....	60.00

INSTRUMENTS OF THE BAND AND ORCHESTRA

One lesson a week, one-half hour.....	\$18.00
Two lessons a week, one-half hour each.....	36.00

PRACTICE ROOM RENTAL (WITH PIANO)

One hour a day for the semester.....	\$ 4.00
Two hours a day for the semester.....	7.00
Three hours a day for the semester.....	11.00

PRACTICE ROOM RENT (WITHOUT PIANO)

One hour a day for the semester.....	\$2.00
Two hours a day for the semester.....	3.00
Three hours a day for the semester.....	4.00

PHILOSOPHY

Professor CHENOWETH

Primarily for Undergraduates.

- 1 HISTORY OF ANCIENT PHILOSOPHY 3 credits First semester
 A general study of the development of thought from Thales to Descartes, with especial reference to the origin of the concepts which are commonly used in the expression of modern thought. Particular attention will be given to the method of Socrates and the systems of Plato and Aristotle. Open to sophomores, juniors, and seniors. (CHENOWETH. Given also at the Southern Branch.)
- 2 HISTORY OF MODERN PHILOSOPHY 3 credits Second semester
 A study of the development of thought from Descartes to the present time. Emphasis will be placed on the relation of the various movements in philosophy to the formation of modern systems. Prerequisite: Phil. 1. (CHENOWETH)

For Advanced Undergraduates and Graduates

- 101 ETHICS 3 credits First semester
 A brief treatment of the various stages in the development of ethical thought, with the object of deriving a standard for the government of moral conduct. Prerequisite: Phil. 1. (CHENOWETH)
- 102 ETHICS (Advanced) 3 credits Second semester
 A comparative study of ethical theories and the application of the moral criterion to present-day problems. The case system will be used. Prerequisite: Phil. 101. (CHENOWETH)
- 103 LOGIC 3 credits First semester
 The laws of thought will be studied with a view to their use in the organization of the results of everyday experience and scientific investigation. Special attention will be given to the function of logic in the methods of science. Prerequisite: Phil. 1 or equivalent. (CHENOWETH)

- 104 CONTEMPORARY PHILOSOPHY 3 credits Second semester
A critical study of the persistent problems in philosophy, including various phases of pluralism and monism, idealism and materialism. The salient features in the systems of Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, and Kant will be used as a basis. The aim will be to familiarize the student with the various bases on which a philosophy of life may rest. Prerequisite: Phil. 1 or equivalent. (CHENOWETH)
- 105 PHILOSOPHY OF RELIGION 3 credits Second semester
An examination of the fundamentals of the different world religions, with the object of determining the place of the religious consciousness in life. Prerequisite: Phil. 1. (CHENOWETH)
- 106 THE STATE AND THE INDIVIDUAL 3 credits First semester
A study of the ethical principles applicable to the various activities of the individual in connection with the state. Prerequisite: Phil. 1 or equivalent. (CHENOWETH)
- 107 PHILOSOPHY IN LITERATURE 3 credits First semester
The development of philosophy will be studied in connection with the English literature of the eighteenth century. Prerequisite: Phil. 1 or equivalent. Given in alternate years; offered in 1928-29. (CHENOWETH)
- 108 PLATO 3 credits Second semester
The *Republic* and *Laws* will be read in translation, with special reference to Plato's theory of government. Prerequisites: Phil. 1 and 107. Given in alternate years; offered in 1928-29. (CHENOWETH)
- 110 PHILOSOPHY OF SCIENCE 3 credits Second semester
A study of the various philosophic bases which are presupposed in science. Prerequisite: Phil. 1 or equivalent. (CHENOWETH)

Primarily for Graduates

- 201-202 ADVANCED PHILOSOPHY 2 to 4 credits Each semester
An investigation of a general problem in philosophy, selected at the beginning of each semester by the instructor in consultation with the members of the class. Each student will be required to present to the class one or two reports covering the results of a considerable amount of research in connection with a particular phase of the general problem. Open to graduates and majors in the department. (CHENOWETH)

203-204 SEMINAR IN PHILOSOPHY

Not to exceed 4 credits Each semester

A survey of the recent literature in the field of philosophy thru investigations and reports by members of the class. Problems in research may be carried on in the course and their results presented from time to time for discussion. Open to graduates and advanced students in philosophy. (CHENOWETH)

205-206 RESEARCH
(CHENOWETH)

Credits to be arranged

Each semester

PHYSICAL EDUCATION

Director ERB, Assistant Professors WIRT, FOX, and BEAM, Captain BRYAN, Mrs. GOFF

Miss TUTTLE

The Department of Physical Education endeavors to meet the needs of the students in three ways: first, by giving each student a thoro physical examination and advice in matters of well-being; second, by offering a means of systematic exercise and body building; and third, by offering instruction suitable for teachers who may desire to carry on work in the grade schools, in the high schools, or in the public playgrounds.

Provision is made for the study and practice of hygiene, or exercise in the classes organized for that purpose in the Gymnasium. These classes are intended to check and correct abnormal tendencies and to promote the general health of the students.

COURSES FOR WOMEN

Work in this department is required of freshmen and sophomores. Juniors and seniors are encouraged to continue by electing additional courses which will give credit toward graduation. A major course in physical education for women leading to the degree of Bachelor of Science in Education is outlined in the curriculum of the School of Education. Those registering in this course should advise with the Director of physical education for women. A minor in physical education with a major in the College of Letters and Science, leading to a Bachelor of Arts degree may also be outlined upon conference with the head of the department in which the student majors and with Assistant Professor Wirt.

Sophomores may elect P.E. 3-4, 9-10, 13-14, 15-16, 19-20, or with special permission from the instructor, P.E. 109-110 or 117-118 to fulfill their requirement in physical education.

Primarily for Undergraduates

1-2 FRESHMAN COURSE 2 credits Each semester

Three hours a week. The work of this course is arranged with reference to the needs of the individual student as indicated

by the physical examination and study of personal tendencies. It includes (a) *Physical Training*: two hours a week of practice exercises with and without apparatus, folk dancing, gymnasium games, and games of skill, and (b) *Personal Hygiene*: one class discussion a week on problems of personal hygiene. (WIRT, GOFF. Given also at the Southern Branch)

3-4 ADVANCED GYMNASTICS 1 credit Each semester

A continuation of P.E. 1-2, the work being of an intermediate and advanced character. Two hours a week in instruction in gymnastics, competitive games, athletic sports, and advanced folk dancing. (GOFF. Given also at the Southern Branch)

9-10 BEGINNING DANCING 1 credit Each semester

Introduction to natural, national and character dancing. Instructor should be consulted before securing the required costume. Two practice hours a week. (WIRT. Given also at the Southern Branch)

13-14 BEGINNING SWIMMING 1 credit Each semester

For those who cannot swim, or who have not been instructed in correct form. Sheffield method taught, with emphasis on correct breathing, attainment of self-confidence, the floating positions, elementary back stroke, sculling, deep-water test, the side stroke, and simple diving. Two hours a week. (WIRT)

15-16 INTERMEDIATE SWIMMING 1 credit Each semester

Continuation of beginners' course, with addition of single over-arm, trudgeon, trudgeon crawl, and breast strokes, water stunts, diving, and some Red Cross life saving. Two hours a week. Prerequisite: P.E. 13-14, or passing of test to determine preparation for this course. (WIRT)

19-20 WOMEN'S ATHLETICS 1 credit Each semester

Coaching in volley ball, basket-ball, and base-ball with the regular class practices for candidates to teams. Those who are elected to teams and play in the inter-class tournaments may win 100, 50, or 25 points in the Women's Athletic Association. Two hours a week. (WIRT)

22 PLAYGROUND SUPERVISION 2 credits Second semester

In addition to the technical knowledge and skill required by the director of a playground, this course is designed to give a broad view of the other influences at work in this field and to show the possibilities of play as an educational force in the community. Three class periods a week. (GOFF)

23 HISTORY OF PHYSICAL EDUCATION 1 credit First semester

A reading course dealing with the development and history of gymnastics, track and field athletics, sports, and the playground movement. Periodic quizzes on material covered. (GOFF)

- 26 FESTIVALS AND PAGEANTRY 2 credits Second semester
Two lecture hours a week. This course includes a study of festival material adapted to school and playground use. (GOFF)

For Advanced Undergraduates and Graduates

- 109-110 ADVANCED DANCING 1 credit Each semester
Continuation of beginning dancing, with emphasis on method of teaching dancing, study of sources, and practice in composition of original dances by the members of the class. Two hours a week. Prerequisite: P.E. 9-10. (WIRT)
- 111-112 CLOG DANCING AND NATURAL GYMNASTICS 1 credit Each semester
One hour a week in clog dancing, one hour a week in physical efficiency tests, stunts, game techniques, marching tactics, apparatus work, soccer football, and tennis. Prerequisites: P.E. 1-2, 3-4. (WIRT)
- 113-114 THE TEACHING OF FOLK DANCING 1 credit Each semester
Methods of teaching folk dances, with knowledge of typical folk dances of different countries. Two hours a week. (GOFF)
- 117-118 ADVANCED SWIMMING 2 credits Each semester
Continuation of P.E. 13-14 and 15-16, with the addition of the crawl, back racing stroke, the Red Cross Life Saving Test, more difficult stunts, and diving. Also practice teaching in assisting with classes in beginning and intermediate swimming. Two hours of practice and two hours of teaching a week. Prerequisites: P.E. 13-14 and 15-16. (WIRT)
- 121 TEACHING OF INDIVIDUAL GYMNASTICS 2 credits First semester
Technique of giving physical examinations and the prescription of proper remedial exercises. Two hours a week. Prerequisites: Zool. 103-104, 106. (GOFF)
- 123 FIRST AID 1 credit First semester
A course in first aid and emergencies, with special emphasis on athletic injuries and their care, qualifying for the Red Cross Certificate in First Aid. One two-hour period a week. Prerequisite: Zool. 103-104 or 106. (TUTTLE)
- 125-126 MANAGEMENT OF WOMEN'S ATHLETICS 2 credits First semester
1 credit Second semester
Theory and practice in coaching team games for use in playgrounds, public schools, high schools, and camps. Two lecture periods and two hours' practice teaching the first semester; one hour's practice teaching the second semester. Prerequisite: P.E. 19-20. (WIRT)

- 140 METHODS OF GYMNASTIC TEACHING
2 credits Second semester
Methods of teaching gymnastics. Three class periods a week. Prerequisites: P.E. 1-2, 3-4, 9-10, 111-112. (WIRT)
- 143 PRACTICE TEACHING IN GYMNASTICS
3 credits First semester
Fifty-four hours teaching gymnastics under supervision. Prerequisite: P.E. 140. (Goff)

COURSES FOR MEN

Primarily for Undergraduates

- 51-52 INTRODUCTORY COURSE $\frac{1}{2}$ credit Each semester
Two hours a week. Light apparatus work, including dumb-bells, Indian-clubs, bar-bells, and tactics.
- 53-54 ADVANCED WORK $\frac{1}{2}$ credit Each semester
Two hours a week. Light and heavy gymnastics, athletics, field sports, etc.
- 55 PERSONAL HYGIENE 2 credits Second semester
Two hours a week. Pyle's: *Personal Hygiene* will be used as a textbook.
- 56 MEDICAL GYMNASTICS 2 credits Second semester
This is a course in exercise and its relation to education and medicine. It will endeavor to enlighten the student of physical education on the real educational value of neuromuscular training.
- 57 PLAYGROUND SUPERVISION 2 credits First semester
One lecture and two practice hours a week. This course will consist of the teaching and directing of plays and games. The playground and its relation to civics and health, and the importance of the playground as a social center are discussed.
- 59-60 TEACHER'S COURSE IN GYMNASTICS
1 credit Each semester
One lecture and two practice and observation hours each week. This is a study of physical education and organization from the standpoint of grade and high-school instruction.
- 63 BOXING $\frac{1}{2}$ credit Second semester
- 64 WRESTLING $\frac{1}{2}$ credit Second semester
- 67-68 BEGINNING SWIMMING 1 credit Each semester
- 69-70 ADVANCED SWIMMING 1 credit Each semester
- 71 TEACHER'S COURSE IN FOOTBALL COACHING
1 credit First semester
A course in athletic training for the care of men who wish

to receive instruction in football from a coach's viewpoint. During the months of September, October, and November, the class will receive practical instruction on the athletic field, and in December and January, will receive theoretical instruction twice a week. Not open to freshmen.

81 TEACHER'S COURSE IN BASKETBALL COACHING

1 credit

First semester

A course in athletic training for the care of men who wish to receive instruction in basketball from a coach's viewpoint. During the months of September and October, the class will meet in a lecture room and receive theoretical training. During the months of November, December, and January, the class will meet in the gymnasium for practical instruction. Not open to freshmen.

92 TEACHER'S COURSE IN TRACK COACHING

1 credit

Second semester

A course in athletic training for the care of men who wish to receive instruction in track from a coach's viewpoint. During the month of February, the class will receive theoretical instruction, and during the months of March, April, May, and June, they will receive practical instruction on the athletic field. Not given to freshmen.

96 TEACHER'S COURSE IN BASEBALL COACHING

1 credit

Second semester

A course in athletic training for the care of men who wish to receive instruction in baseball from a coach's viewpoint. During February and March, the class will receive theoretical instruction twice a week, and during the months of April, May, and June, will receive practical instruction on the athletic field. Not given to freshmen.

For Advanced Undergraduates and Graduates

171 ADVANCED TEACHER'S COURSE IN FOOTBALL COACHING

1 credit

First semester

Continuation of P.E. 71. Prerequisite: P.E. 71.

181 ADVANCED TEACHER'S COURSE IN BASKETBALL COACHING

1 credit

First semester

Continuation of P.E. 81. Prerequisite: P.E. 81.

192 ADVANCED TEACHER'S COURSE IN TRACK COACHING

1 credit

Second semester

Continuation of P.E. 92. Prerequisite: P.E. 92.

196 ADVANCED TEACHER'S COURSE IN BASEBALL COACHING

1 credit

Second semester

Continuation of P.E. 96. Prerequisite: P.E. 96.

PHYSICS

Professor *ANGELL, Associate Professor DAHM, Assistant Professors
LUKE and HAMMAR, Mr. HELLAND

Primarily for Undergraduates

01 ELEMENTARY PHYSICS 5 credits Either semester

An elementary course covering the important phenomena of physics. Designed for those who wish a general knowledge of the subject but do not expect to major in science. Required of sophomores in Agriculture and elective for others who have not presented one credit in physics for entrance. Students entering deficient in science may satisfy one unit entrance deficiency with this course. Four hours of lecture and recitation and one three-hour laboratory period a week. (LUKE. Given also at the Southern Branch)

1-2 GENERAL PHYSICS 4 or 5 credits Each semester

A general course, including the fundamentals of mechanics, heat, sound, light, electricity, and magnetism. Presents the principles of the science while avoiding the difficulties of a mathematical treatment of the subject. Demonstration lectures, recitations, and laboratory work. Prerequisite: Phys. 01, or high-school physics. (DAHM, LUKE. Given also at the Southern Branch)

11-12 ENGINEERING PHYSICS 5 credits Each semester

A general course similar to 1-2, but giving a more mathematical treatment of the subject. This course must be preceded or accompanied by the Calculus. Required of all sophomore engineers. Prerequisite: Phys. 01, or high-school physics. (HAMMAR, LUKE. Given also at the Southern Branch)

55-56 MUSIC AND SOUND 4 credits Each semester

A course dealing with the physical basis of music, acoustics of halls, and analysis of musical sounds. Three lecture recitations and one three-hour laboratory period a week. Open only to students in the Bachelor of Music curriculum and to music majors in the College of Letters and Science. (DAHM)

57 PHYSICS OF THE HOUSEHOLD 4 credits First semester

A course for students in home economics, giving the application of physics to household appliances. Prerequisite: High-school physics or Phys. 01. (LUKE. Given also at the Southern Branch)

71-72 METEOROLOGY 3 credits Each semester

In addition to a broad survey of meteorology, special attention will be given to meteorological conditions of this region and

*Executive Dean, Southern Branch at Pocatello, 1927-29.

their bearing on local climatic conditions. Prerequisite: General Physics. (DAHM)

- 92 THE TEACHING OF PHYSICS 3 credits Second semester
A course intended for those who desire to teach physics in the high schools, consisting of lectures and discussions upon the choice of subject matter and the method of presentation best suited to elementary courses. The choice of textbooks, reference books, suitable equipment, how to order apparatus, methods of laboratory procedure and other practical matters will be considered. Prerequisite: Phys. 1 and 2. (LUKE)

For Advanced Undergraduates and Graduates

- 101-102 MODERN PHYSICS 4 credits Each semester
Study of atomic structure, quantum theory, radiation, and spectral lines, with an introduction to relativity. Prerequisite: Phys. 1-2; Math. 1-2. (HAMMAR)
- 121-122 ANALYTIC MECHANICS 3 credits Each semester
Statics, friction, kinematics, and kinetics. Prerequisites: general physics and a knowledge of the calculus. Required of those majoring in physics. (DAHM)
- 123-124 CELESTIAL MECHANICS 3 credits Each semester
A study of the motion of the planets, central forces, and energy. Prerequisite: Phys. 121-122. (DAHM)
- 131-132 ELECTRICITY AND MAGNETISM 2 credits Each semester
An advanced course dealing with the important principles and theories of electricity and magnetism. Prerequisite: Math. 21-22. (HAMMAR)
- 133-134 ELECTRICAL MEASUREMENTS 2 credits Each semester
A laboratory course in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, inductance, and capacity. Designed to accompany 131-132. Courses 131 and 133 required of electrical engineers. (DAHM)
- 142 ADVANCED HEAT 4 credits Second semester
Conduction, convection, radiation, and the principles of thermodynamics, with a study of the methods of measuring high and low temperatures. One laboratory period each week. Prerequisites: Phys. 1-2, Math. 21-22. (HAMMAR)
- 151 ADVANCED LIGHT 4 credits First semester
Theoretical and experimental optics. One laboratory period each week. Prerequisite: Math. 21-22. (HAMMAR)
- 162 KINETIC THEORY 2 credits Second semester
A study of molecules and their motion. (HAMMAR)

- 172 ACOUSTICS 4 credits Second semester
A study of sound waves; their propagation, reflection, transmission and absorption. Application to buildings and consideration of resonance, interference, and echoes, with methods of elimination. (DAHME)
- Primarily for Graduates*
- 201-202 RESEARCH 3 to 5 credits Each semester
A course for advanced students who desire to pursue a special line of investigation under the supervision of an instructor. (ANGELL, DAHM, HAMMAR)
- 211-212 SEMINAR 2 credits Each semester
Presentation and discussion of important topics from recent investigation and research. Prerequisites: Phys. 101-102; 121-122.
- 221-222 ADVANCED MECHANICS 4 credits Each semester
A mathematical treatment of the dynamics of rigid bodies, gyroscopic motion, hydrodynamics, and elasticity. Prerequisite: Phys. 121-122. (DAHME)

PLANT PATHOLOGY

Professor HUNGERFORD, MR. RAEDER

For Advanced Undergraduates and Graduates

- 101 GENERAL PLANT PATHOLOGY 3 credits First semester
A study of plant diseases due to bacteria, slime molds, fungi, and non-parasitic causes. Includes a study of causes, symptoms, effects, means of dissemination, and principles of control. Prerequisite: Bot. 1-2, or Bot. 11. One lecture and two laboratory periods weekly. (HUNGERFORD)
- 102 METHODS IN PLANT PATHOLOGY 2 credits Second semester
Greenhouse and laboratory studies of bacterial and fungous diseases of plants, including cultural methods, isolation, inoculation, spore germination, etc. Especial attention is given to non-parasitic diseases and to the "virus" diseases. Prerequisites: P.P. 101, and Bact. 101. Two laboratory periods. (HUNGERFORD)
- 103 DISEASES OF FIELD CROPS 2 credits First semester
A study of the various diseases of field crops with especial emphasis upon those of economic importance in Idaho. Among the principal field crops covered are: small grains, corn, potatoes, beans, sugar beets, alfalfa, clover, etc. Methods of control for several types of diseases will be tested in the greenhouse during this semester. Prerequisite: P.P. 101. One lecture and one laboratory period weekly. (HUNGERFORD)

- 104 FRUIT DISEASES 2 credits Second semester
 Various diseases of both tree and small fruits, especial emphasis being placed upon non-parasitic diseases of both these groups. Lectures, reference readings, and reports upon assigned topics. Prerequisite: P.P. 101. Two lectures weekly. (HUNGERFORD)
- 105 POTATO DISEASES AND THEIR CONTROL 1 credit First semester
 The nature and control of the principal diseases of the Irish potato common in Idaho. No text will be used but assignments will be made in various texts and bulletins. The virus diseases of the potato and methods of potato disease control will be especially emphasized. Prerequisite: P.P. 101. One lecture weekly. (HUNGERFORD)
- 106 FOREST PATHOLOGY 2 credits Second semester
 See Forestry 164. Arrangements have been made whereby credit in plant pathology will be given for this course listed in the Forestry Curriculum.

Primarily for Graduates

- 201-202 SEMINAR 1 credit Each semester
 (HUNGERFORD, RAEDER)
- 203-204 RESEARCH Credits to be arranged Each semester
 (HUNGERFORD)

POLITICAL SCIENCE

(See under Economics)

POULTRY HUSBANDRY

Professor LAMPMAN, Mr. MOORE, Mr. VAN

Primarily for Undergraduates

- 1 POULTRY PRODUCTION 2 credits First semester
 A general course. Class work is concerned with the breeds of poultry housing, feeding for egg production, culling, and flock management. Laboratory work deals with the identification of breeds and varieties, elements of standard judging, utility judging, study of feeds, candling eggs, study of incubators and brooders, and sanitary application. One recitation and one three-hour laboratory period a week. (LAMPMAN, MOORE)
- 3 JUDGING 2 credits First semester
 Study of types and breeds of poultry; judging by the Standard of Perfection; preparing birds for the show. Laboratory

periods are spent in score card and comparison judging practice. The poultry judging team will be selected from this class. One recitation and one three-hour judging laboratory period a week. Hours by arrangement. (LAMPMAN)

4 INCUBATION AND BROODING 3 credits Second semester

Lectures will cover the principles of natural and artificial incubation and brooding. Laboratory work will consist of study and operation of incubators and brooders. About one-half hour, night and morning, during the time incubators and brooders are being operated, will be required of students. Recitation and laboratory work by arrangement. (LAMPMAN)

For Advanced Undergraduates and Graduates

101 POULTRY MARKETING 2 credits First semester

The candling and packing of market eggs, a study of the important markets, cooperative marketing of poultry products, judging of eggs and market poultry, crate fattening, killing, dressing, and packing of market poultry. One lecture and one three-hour laboratory a week. Hours by arrangement. (LAMPMAN)

102 ADVANCED POULTRY PRODUCTION 3 credits Second semester

Lectures will deal with breeding, mating, culling, feeding, housing, diseases, and the marketing of poultry and poultry products. The laboratory work covers practice in culling, mating, feeding, egg grading, and fattening. This course is especially adapted to the needs of students in the Teacher-Training Curriculum. Prerequisite: junior standing in the College of Agriculture. Two recitations and one three-hour laboratory a week. (LAMPMAN)

103 ADVANCED FEEDS AND FEEDING 1 credit First semester

The first half of the semester is given to the study of principles of nutrition, feeds, and feeding methods. The second half is devoted to the practical feeding and care of laying hens. Prerequisite: P.H. 1-2 or 101. Hours by arrangement. (LAMPMAN)

106 POULTRY BREEDS AND BREEDING 2 credits Second semester

The study of breeds of poultry and their origin. So far as time permits, this course will cover the entire field of pedigreed breeding of poultry, including the underlying principles of inbreeding, linebreeding and outcrossing, as well as actual results in practice by successful breeders. Prerequisite: junior standing in the College of Agriculture. Two recitations a week. Hours by arrangement. (LAMPMAN)

Primarily for Graduates

201-202 RESEARCH Credits to be arranged Each semester
(LAMPMAN)

PSYCHOLOGY

Professor BARTON, Assistant Professor EASLEY

The courses of this department are arranged in three different orders of sequence, with the thought of providing for the practical needs of students registering for this work: those who contemplate a business or professional career; those who hope to become teachers; and those who care to specialize in psychology. This arrangement should be kept in mind by students registering for work in this department. Students registered or registering in the Letters and Science division should remember that the courses in General Psychology and Applied Psychology, or their equivalents, are prerequisite to any of the courses in the *one-hundreds* or the *two-hundreds* groups. In Psychology a student can satisfy the Bachelor of Arts requirement of fourteen credits in the natural sciences, eight credits of which must be in one laboratory year-course.

Primarily for Undergraduates

- 1 GENERAL PSYCHOLOGY 4 credits Either semester

This course is required as a prerequisite to all other courses in psychology. The following will be considered: motivation factors in behavior; the nervous system; modification of innate tendencies in learning; learning, its neural bases and its relation to consciousness; attention and its relation to activity; sense impulses and motor responses; memory; perception; reasoning; instincts and emotions, and their relations to self control; certain abnormal phenomena. Three lectures and one laboratory period a week. (BARTON. Given also at the Southern Branch)

- 2 EDUCATIONAL PSYCHOLOGY 3 credits Second semester

Innate tendencies and capacities and their relation to the educative process; heredity and environment; laws and methods of study; nature of different learning types; retention and reproduction; mental training and transfer; individual differences, their measurement and significance in education. (BARTON. Given also at the Southern Branch)

- 4 APPLIED PSYCHOLOGY 4 credits Second semester

The general nature of the human organism and the effects of environmental influences in response to phenomena; advertising and salesmanship in relation to attention, interest, and feeling; selection of employes; evidences; testimony; helps in medical practice. Three lectures and one laboratory period a week. (EASLEY. Given also at the Southern Branch)

For Advanced Undergraduates and Graduates

- 104 PSYCHOLOGY OF ADVERTISING AND SELLING

3 credits Second semester

A consideration of the psychological factors involved in advertising and selling—catching the attention, holding the atten-

tion, fixing the impression, provoking the response—and their relation to individual differences in instincts and interests. (BARTON)

106 INFANT AND CHILD PSYCHOLOGY 3 credits Second semester

A consideration of just what has been found to be the native equipment of the infant on coming into the world, as well as other factors that come later. An attempt will be made to determine how long such tendencies last and how they should be treated, or modified, for adequate adjustment on the part of the individual when he grows up. (EASLEY)

108 EXPERIMENTAL PSYCHOLOGY 2 credits Second semester

Classical experiments in the fields of sensation, feeling, attention, learning, physiological orientation, and actions. An opportunity is afforded to become familiarized with scientific method and form in doing work, as well as to become familiarized with the initial factors conditioning human response. One lecture and one laboratory period a week. (EASLEY)

109 MENTAL TESTING 3 credits First semester

This course is designed to give training in the measurement of mental ability or innate capacity, in the selection, by tests and otherwise, of those of different levels of intelligence, with some consideration of the fitness of the various levels to certain work or study. There will be actual testing and handling of test material by each student. Topics for special study are: nature and frequency of mental deficiency and superiority; causes and problems of retardation; relation of mentality to delinquency; uses of mental tests in juvenile courts, in vocational guidance, in classifying students. Two lectures and one laboratory period a week. (EASLEY)

111 PSYCHOLOGY OF THE EXCEPTIONAL INDIVIDUAL

3 credits

First semester

A diagnosis of the retarded and gifted humans, with a discussion of their needs and treatment. (EASLEY)

113 ABNORMAL PSYCHOLOGY 3 credits First semester

Mental adjustment and integration of behavior into personality; conflicts and dissociations involving mild abnormality; dreams, automatisms, divided personalities and various anesthetics; hallucinations; amnesias, and delusions incident to them; suggestions, hypnosis, complexes and psychoanalysis; the grouping of disorders into syndromes characterizing certain types of insanity, heredity factors in mental disorganization. Relation to normal behavior and means of maintaining the integrity of personality will be emphasized. (BARTON)

115 PSYCHOLOGY OF EMPLOYMENT AND HANDLING OF EMPLOYEES

3 credits

First semester

Analysis of the psychological factors involved in the inter-related activities of the worker, the management, and the immediate executive. Psychological factors to be considered by the immediate executive, when dealing with employes; methods for developing and training workers; measures of active ability and proficiency; the selection of workmen; and the personal efficiency of the workers as found by objective means. (BARTON)

117 PSYCHOLOGICAL METHODS

3 credits

First semester

This course is designed for students interested in understanding the statistical aspects of recent periodical and text literature in science and education, as well as for those who hope to engage in experimental evaluations of administrative functions and research. Many researches cannot be adequately evaluated without an understanding of the materials handled in courses of this nature. The course will include methods and means of attacking psychological problems, treatment and presentation of data involved in total correlations. (EASLEY)

121-122 ADVANCED PSYCHOLOGY

4 credits

Each semester

This course is intended for students of at least junior rank who have done psychology work, in an institution of college rank, to the extent of the equivalent of seven credits at the University of Idaho. A survey of the leading problems, conceptions, methods, and results of modern psychology will be made. Selected readings from the original works of leading authors from the time of the rise of associationism to the present time will be made, as well as a critical examination of present tendencies in textbooks. Experimentation in kinesthetic, auditory, visual perception; rhythm in music and verse; illusions; learning, memory, recognition; making of measuring scales; testing the accuracy of judgment; ranking judges according to merit; pitch discrimination; auditory and visual acuity. Applications to education, industry, business, etc., are made thruout the course, and research methods are emphasized. Three lectures and one laboratory period a week. (BARTON)

Primarily for Graduates

205 COMPARATIVE PSYCHOLOGY

3 credits

First semester

A general survey of what has been done in an experimental way to determine the capacities, reactions, and general nature of lower animals in situations of controlled stimulation. Two lectures and one laboratory period a week. (EASLEY)

206 PSYCHOLOGY OF LEARNING

3 credits

Second semester

A more intense consideration of the factors conditioning the learning process; a searching study of the roles of repetition,

recency, primacy, feeling, fitness of material to past activity and to future needs. Two lectures and one laboratory period a week. (BARTON)

207 SOCIAL PSYCHOLOGY 3 credits First semester

Innate tendencies influenced by the behavior of one's fellows, and their organization into group attitudes of opposition and cooperation: the respective roles of habit, custom, language, suggestion, imitation, and emotion and their relation to social progress. (BARTON)

208 PSYCHOLOGY IN ETHICS 3 credits Second semester

An attempt to ascertain the part played by human nature in determining moral conduct, or the judgment of right and wrong. Relation of these considerations to the various ethical theories. Three lectures a week. (BARTON)

210 PSYCHOLOGY OF RELIGIOUS EXPERIENCES

First, the origin of religion in the race, including consideration of the determining impulses in primitive religions, customs and taboo, ceremonials and magic, spirits, sacrifice, prayer, mythology, and the development of religion. Next, the rise of religion in the individual; and the place of religion in the experience of the individual and of society. Three lectures a week. (BARTON)

212 ADVANCED PSYCHOLOGICAL METHODS

2 credits

Second semester

This course involves the higher processes of statistical method, beginning with a review of total correlations and the regression equations. The problems of partial and multiple correlation, partial regression, partial variation, weighing of scores, non-linear correlation, and the various instruments for predicting reliability under different conditions will be considered. Particular emphasis will be given to interpretation and application to the study of psychological problems. Students will be encouraged to apply these methods to their own researches. Prerequisite: Psych. 117 or its equivalent. Two lectures a week. (EASLEY)

213-214 SEMINAR IN PSYCHOLOGY 1 credit Each semester

Reading and reports on the current literature of subjects chosen. Opportunity is also afforded for research students to present their problems for discussion and criticism. One meeting each week. (BARTON)

215-216 PSYCHOLOGICAL RESEARCH 1 to 8 credits Each semester

Opportunity is given for students to do original work in some field of psychological investigation. Before registering, the student should consult the instructor. For graduates only. (BARTON)

PUBLIC SPEAKING

(See under English)

SOCIOLOGY

(See under Economics and Political Science)

SPANISH

(See under Modern Languages)

ZOOLOGY

Professor WODSEDALEK, Associate Professor STOUGH, Assistant Professor WARREN, Miss NORTON, Mr. KEITH, Mr. MESSENGER, Miss LARGENT, Miss FLOED, and Miss HAWKINS

Primarily for Undergraduates

- 1-2 GENERAL ZOOLOGY 4 credits Each semester
Lectures, discussions, and laboratory work dealing in an elementary way with the general problems of animal structures, physiology, activities and adaptations, sex, development, heredity, evolution, and life-histories of representative and economic forms. Two lectures and two three-hour laboratory periods a week. (WODSEDALEK, STOUGH, WARREN, NORTON, LARGENT, FLOED. Given also at the Southern Branch)
- 11 GENERAL ZOOLOGY 3 credits First semester
Same as Zoology 1, except that it has only one three-hour laboratory period a week. Required of students in Home Economics and Agriculture. (WODSEDALEK, STOUGH, WARREN, NORTON, LARGENT, FLOED)
- 3 INVERTEBRATE ZOOLOGY 4 credits First semester
A study of the structure, development, classification, relationships, instincts, and life histories of invertebrate animals. Special attention is given to the more important parasites and economic forms. One lecture and three three-hour laboratory periods a week. Prerequisite: Zool. 1-2. (WARREN)
- 4 COMPARATIVE ANATOMY OF VERTEBRATES 4 credits Second semester
Dissection and study of types of vertebrates together with lectures and discussions on general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two three-hour laboratory periods a week. Prerequisite: Zool. 1-2. (STOUGH. Given also at the Southern Branch)

- 6 PHYSIOLOGY 3 credits Second semester
Recitations, demonstrations, and laboratory work giving a general knowledge of the more important physiological problems, and of the structure and functions of the human body. Two recitations and one three-hour laboratory period a week. Prerequisite: Zool. 1. (WARREN. Given also at the Southern Branch)
- 8 HEREDITY AND EUGENICS 2 credits Second semester
A scientific study of the main facts and theories of heredity and its mechanism, with emphasis on the phases pertaining to human welfare. Two lectures a week. Prerequisite: Zool. 1. (WODSEDALEK. Given also at the Southern Branch)
- 18 ORNITHOLOGY 3 credits Second semester
A study of the origin, evolution, structure, habits, adaptations, distribution, classifications, and economic value of birds. Students will be required to become familiar with the common Idaho birds. Two lectures and one three-hour laboratory or field-work period each week. Prerequisite: Zool. 1. (STOUGH)
- 51 PHOTOGRAPHIC TECHNIQUE 2 credits First semester
A study of the fundamental processes of photography, including optics and chemistry of photography; the making of the photographic negative and positive, lantern slides, copies, and enlargements. One lecture and one three-hour laboratory period a week. Prerequisites: Zool. 1-2 and Chem. 1-2. (STOUGH)
- 60 SOCIAL HYGIENE (Women) 2 credits Second semester
This course is offered in harmony with the national movement directed by the Inter-Departmental Social Hygiene Board of the United States. Especial emphasis on the great problems of sex and the conservation of mankind. Two lectures a week. Prerequisite: Zool. 1. (WODSEDALEK)
- 70 SOCIAL HYGIENE (Men) 2 credits Second semester
Same as Zool. 60. (WODSEDALEK)
- For Advanced Undergraduates and Graduates*
- 101 THE TEACHING OF ZOOLOGY 2 credits First semester
A consideration of the aims, methods, and subject matter of zoology in the school. Discussion of laboratory and equipment, technique, and specific hints on other points. Laboratory work dealing with reagents; the preparation of slides, charts and museum specimens; class preparations; collecting; making cultures; aquaria, etc. One lecture and one three-hour laboratory period a week. Prerequisites: Zool. 1-2, 4, and 6. (STOUGH)
- 103-104 HUMAN ANATOMY 2 credits Each semester
Demonstrations and laboratory work giving a general knowledge of the structure of the human body. Mammalian

dissection along with the study of charts, models, a large completely dissectible manikin, and human skeletons. This course is intended primarily for the needs of students in the Pre-Nursing Curriculum and those majoring in physical education. It is recommended to others, particularly to those majoring in home economics, psychology, and education. This course should be taken along with Zool. 105-106, Human Physiology. Two three-hour laboratory periods a week. Prerequisites: Zool. 1-2, and 113. (WARREN)

105 HUMAN PHYSIOLOGY 3 credits First semester

Lectures, demonstrations, and laboratory work, giving detailed knowledge of the various physiological functions of the human body. This course is intended primarily for the needs of students in the Pre-Nursing Curriculum and those majoring in physical education. It is recommended to others, particularly to those majoring in home economics, psychology, and education who desire a more thorough course than Zool. 6. This course should be preceded by, or be taken along with, Zool. 103-104, Human Anatomy. Two lectures and one three-hour laboratory period. Prerequisites: Zool. 1-2; Chem. 1-2. (WARREN)

106 HUMAN PHYSIOLOGY 4 credits Second semester

Continuation of 105, with one additional three-hour laboratory period. (WARREN)

107 ORGANIC EVOLUTION 3 credits First semester

A critical discussion of the facts and theories of organic evolution, and the general development of evolutionary speculation. Three lectures a week. Prerequisite: Zool. 1-2. (Zool. 4 and 113 are recommended) (WARREN)

109 VERTEBRATE HISTOLOGY AND ORGANOLGY

4 credits First semester

Histology, the study of the various tissues, is first taken up, and this is followed by the study of the minute structure of the chief mammalian organs. Some time will be devoted to the technique of preparing permanent slides of the various tissues and sections of the more important organs. Two lectures and two three-hour laboratory periods a week. Prerequisites: Zool. 1-2, and 4. (STOUGH)

110 PARASITOLOGY 3 credits Second semester

The life histories of parasites, and their effects on the hosts will be discussed as well as the effect of parasitism on the parasite. Parasites peculiar to man will be included, since this course is recommended for pre-medical and pre-nursing students as well as zoology majors. Two lectures or recitation periods and one three-hour laboratory period per week. Prerequisite: Zool. 1-2, and 3 or 4. (WARREN)

- 111 GENERAL NEUROLOGY 4 credits First semester
A course in the structure, function, development, and evolution of the nervous system. Two lectures and two three-hour laboratory periods a week. Prerequisite: Zool. 1-2. (Courses in physiology and anatomy are strongly recommended.) (STOUGH)
- 113 EMBRYOLOGY 4 credits First semester
Lectures on general problems. The laboratory work deals with studies on maturation, fertilization, segmentation, and with serial sections and entire embryos of the chick, pig, and human being with reference to the origin of the various types of tissues and the development of the different organs. Attention is given to the technique of fixing, sectioning, and staining embryological material. Two lectures and two three-hour laboratory periods a week. Prerequisites: Zool. 1-2, and 4. (STOUGH)
- 115-116 CYTOLOGY 4 credits Each semester
Particular attention is given to the physics and chemistry of the cell, the colloidal nature of protoplasm, the effect of electrolytes on the living substance, and the phenomena of metabolism, stimulation, and transformation of energy. In laboratory work especial emphasis is placed on the study of the cell, and the relation of cytological phenomena to normal and abnormal growth, to differentiation, to sex, and to the theories of heredity and evolution. Considerable time is devoted to the methods of fixation, sectioning, and staining of tissues for detailed microscopical examination. One lecture and three three-hour laboratory periods a week. Prerequisites: Zool. 1-2, 4, 8, and 113; Chem. 1-2. (Physics 1-2 is recommended) (WODSEDALEK)
- 119-120 THESIS 1 to 3 credits Each semester
(WODSEDALEK, STOUGH, WARREN)
- 152 PHOTOGRAPHIC TECHNIQUE 2 credits Second semester
Photography as a scientific implement and aid in scientific and medical research. This course will include enlarging, coloring, outdoor and nature photography, orthochromatic photography, X-ray photography, photomicrography, and color photography. One lecture and one three-hour laboratory or field-work period a week. Prerequisites: Zool. 1, 2, 51, and Chem. 1-2. (STOUGH)

Primarily for Graduates

- 201-202 RESEARCH Credits to be arranged Each semester
Problems will be assigned, and students prepared for independent investigation in any phase of zoology or entomology will be given all the opportunities available for carrying on their work. (WODSEDALEK, STOUGH, WARREN)

- 203-204 SEMINAR 2 credits Each semester
Reports on advanced literature in the various phases of
zoology. (WODSEDALEK)
- 207-208 ADVANCED GENETICS 2 credits Each semester
This course is in the nature of a seminar. Consent of the
instructor is required before election. (WODSEDALEK)
- 213-214 ADVANCED MORPHOLOGY 2 credits Each semester
A study of the form, and the factors determining the form
of animals. One lecture and one three-hour laboratory period.
(STOUGH)
- 216 ADVANCED CYTOLOGY 4 credits Second semester
Continuation of Zool. 115 for graduate students. Not open
to students who have had Zool. 116. One lecture and three three-
hour laboratory periods a week. (WODSEDALEK)

THE UNIVERSITY OF IDAHO

STATE BOARD OF EDUCATION

and

Board of Regents of the University of Idaho

PART V

OFFICERS OF THE

UNIVERSITY

STATE BOARD OF EDUCATION
and
Board of Regents of the University of Idaho

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	Term expires April, 1930	
STANLY A. EASTON.....	<i>Vice-President</i>	Kellogg
	Term expires April, 1931	
ASHER B. WILSON.....	<i>Secretary</i>	Twin Falls
	Term expires April, 1932	
HUNTINGTON TAYLOR.....		Coeur d'Alene
	Term expires April, 1933	
MRS. J. G. H. GRAVELEY.....		Boise
	Term expires April, 1929	
MABELLE McCONNEL ALLEN		
Superintendent of Public Instruction.....		Boise
	<i>ex-officio</i>	

ORGANIZATION OF THE BOARD prior to the election of officers in January, 1928, was as follows: President, Mrs. J. G. H. Graveley; Vice-President, Clency St. Clair; Secretary, Huntington Taylor.

Executive Committee of the University of Idaho

	STANLY A. EASTON, <i>Chairman</i>	
HUNTINGTON TAYLOR	Commissioner W. D. VINCENT	
	THE PRESIDENT	
	Commissioner of Education	
W. D. VINCENT.....		Boise

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

*ALFRED H. UPHAM, PH.D., LL.D.....	<i>President of the University</i>
*FREDERICK JAMES KELLY, PH.D.....	<i>President-elect of the University</i>
JAY GLOVER ELDRIDGE, PH.D.....	<i>Dean of the University Faculty</i> <i>and Acting Dean of the College of Letters and Science</i>
PERMEAL JANE FRENCH, M.A.....	<i>Dean of Women</i>
MARTIN FULLER ANGELL, PH.D.....	<i>Dean of the College of Letters</i> <i>and Science and Acting Executive Dean of the Southern Branch</i>

*President Upham's resignation was effective Feb. 1, 1928. Dr. Kelly assumes the duties of the presidency at commencement time.

EDWARD JOHN IDDINGS, M.S.	<i>Dean of the College of Agriculture Director of Experiment Station, and Director of Extension Division</i>
CHARLES WILLIAM HUNGERFORD, PH.D.	<i>Assistant Dean of the College of Agriculture and Vice-Director, Experiment Station</i>
IVAN CHARLES CRAWFORD, C.E.	<i>Dean of the College of Engineering</i>
*ROBERT MCNAIR DAVIS, J.D.	<i>Dean of the College of Law</i>
SILAS ADELBERT HARRIS, J.D.	<i>Acting Dean of the College of Law</i>
FRANCIS ANDREW THOMSON, D.Sc.	<i>Dean of the School of Mines</i>
FRANCIS GARNER MILLER, M.F.	<i>Dean of the School of Forestry and Director, Forest Experiment Station</i>
JAMES FRANKLIN MESSENGER, PH.D.	<i>Dean of the School of Education</i>
HARRISON CLIFFORD DALE, A.M.	<i>Dean of the School of Business Administration</i>
JERRY EDWARD WODSEDALEK, PH.D.	<i>Dean of the Graduate School and Director of Pre-Medical Study</i>
KATHERINE JENSEN, M.S.	<i>Director of the Home Economics Curriculum</i>
THEODORE KRATT, MUS.M.	<i>Director of the Music Curriculum</i>
‡DAVID CHRISTOPH LANGE, M.S. (ARCH.)	<i>University Architect</i>
FRANCIS JENKINS	<i>Proctor</i>
FRANK STANTON, LL.B.	<i>Bursar</i>
LAFAYETTE RUSSELL PARSONS	<i>Executive Secretary to the President and Comptroller of the University</i>
MARY BELLE SWEET, B.L.S.	<i>Librarian</i>
ELLA LETITIA OLESEN	<i>Registrar</i>
EDWARD FILES MASON, M.A.	<i>University Editor† and Secretary of the Faculty</i>
LOUISE SHAFF BLOMQUIST, M.A.	<i>Assistant Dean of Women</i>
THEODORE WALLACE TURNER, B.S. (ED.)	<i>Assistant Proctor</i>

*On leave, 1927-28.

†First semester, 1927-28.

‡In charge of general correspondence with prospective students.

Faculty of the University

PROFESSORS, ASSOCIATE PROFESSORS, AND ASSISTANT PROFESSORS

The figure following the name and degree of each officer indicates the date of his first appointment to the staff of the University.

*ALFRED H. UPHAM, PH.D., LL.D., *President of the University*

A.B., A.M., Miami University; A.M., Harvard University; Ph.D., Columbia University; LL.D., Miami University, 1920.

*FREDERICK JAMES KELLY, PH.D., *President-elect of the University*

A.B., University of Nebraska; Ph.D., Columbia University. 1928.

MARTIN FULLER ANGELL, PH.D., *Professor of Physics, Dean of the College of Letters and Science, and Acting Executive Dean of the Southern Branch*

B.S., M.A., Ph.D., University of Wisconsin. 1913.

CLIFFORD OAKLEY ARMSTRONG, M.D., *University Physician*

B.S., M.D., University of Illinois. 1926.

CLAUDE WILLIAM ASHBY, M.A., *Assistant Professor of Modern Languages*

B.A., M.A., University of Idaho. 1925.

FLOYD WARNICK ATKESON, B.S.(AGR.), *Professor of Dairy Husbandry, and Dairy Husbandman, Experiment Station*

B.S.(Agr.), University of Missouri. 1921.

HAROLD LUCIUS AXTELL, PH.D., *Professor of Classical Languages*

A.B., Kalamazoo College; A.B., A.M., Ph.D., University of Chicago. 1902.

NEIL PHILLIPS BAILEY, M.S.(M.E.), *Assistant Professor of Mechanical Engineering*

B.S.(M.E.), University of Colorado; M.S.(M.E.), University of Idaho. 1925.

JOSEPH WESLEY BARTON, PH.D., *Professor of Psychology*

B.S., University of Utah; Ph.D., Peabody College. 1920.

STEWART N. BEAM, A.B., *Assistant Professor of Athletics*

A.B., University of California. 1927.

JACOB ROY BENDER, M.S., *Assistant Professor of Mathematics*

A.B., Ohio University; M.S., University of Washington. 1921.

LOUISE SHAFF BLUMQUIST, M.A., *Assistant Dean of Women*

B.A., University of Washington; M.A., Columbia University. 1923.

WALTER BENO BOLLEN, PH.D., *Assistant Chemist, Experiment Station*

B.S., M.S., Oregon Agricultural College; Ph.D., Iowa State College. 1925.

CORNELIUS JAMES BROSNAN, M.A., *Associate Professor of American History*

A.B., University of Michigan; M.A., Harvard University. 1921.

ADA EULALIA BURKE, M.A., *Assistant Professor of English*

B.A., M.A., University of Idaho. 1924.

*President Upham's resignation was effective Feb. 1, 1928. Dr. Kelly assumes the duties of the presidency at commencement time.

- LOUIS CLYDE CADY, M.S., *Assistant Professor of Chemistry*
B.S. (Chem.E.), M.S., University of Idaho. 1922.
- FRANK WIGGINS CANDEE, M.S. (M.E.), *Assistant Professor of Mechanical Engineering*
S.B., Harvard University; M.S. (M.E.), University of Idaho. 1920.
- IKE N. CARTER, M.S. (C.E.), *Assistant Professor of Civil Engineering*
B.S. (C.E.) M.S. (C.E.), University of Idaho. 1923.
- CURTIS WORTH CHENOWETH, M.A., *Professor of Philosophy*
B.A., Wesleyan College of West Virginia; M.A., Harvard University. 1919.
- EDWARD ROBERT CHRISMAN, Colonel, U. S. Army, *Professor of Military Science and Tactics and Commandant of Cadets*
Graduate, U. S. Military Academy. 1894.
- FREDERICK CORSS CHURCH, PH.D., *Professor of European History*
A.B., Ph.D., Cornell University. 1921.
- ISABEL WADSWORTH CLARK, *Assistant Professor of Music*
Graduate, New England Conservatory of Music. 1921.
- CARL CLAUS, *Assistant Professor of Music*
Graduate, Belgian Conservatory of Music. 1922.
- WILLIAM HOMER CONE, M.S., *Assistant Professor of Chemistry*
B.S., M.S., University of Idaho. 1924.
- IVAN CHARLES CRAWFORD, C.E., *Professor of Civil Engineering and Dean of the College of Engineering*
B.S. (C.E.), C.E., University of Colorado. 1923.
- BENJAMIN MILLS CRENSHAW, Captain, Infantry, D.O.L., U. S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, Infantry School of Arms. 1926.
- JOHN HOUSTON CUSHMAN, M.A., *Professor of English and Dramatics*
B.A., Brown University; M.A., Harvard University. 1919.
- THOMAS MATTHEW DAHM, PH.D., *Associate Professor of Physics and Acting Head of the Department*
A.B., A.M., Northwestern University; Ph.D., University of Wisconsin. 1922.
- HARRISON CLIFFORD DALE, A.M., *Professor of Economics and Political Science and Dean of the School of Business Administration*
A.B., A.M., Harvard University. 1920.
- HARRY CARTER DAVIDSON, A.M., *Assistant Professor of English and Public Speaking*
A.B., Harvard University; A.M., University of Louisville. 1926.
- *ROBERT MCNAIR DAVIS, J.D., *Professor of Law and Dean of the College of Law*
A.B., Harvard University; J.D., University of Chicago. 1923.
- REUBEN ARTHUR DIETERT, M.S., *Assistant Professor of Botany*
B.A., DePauw University; M.S., Michigan State College. 1927.
- DONALD DUDLEY DUSAULT, M.S., *Assistant Professor of Chemistry*
B.S., M.S., University of Idaho. 1923.
- HOWARD EASLEY, M.A., *Assistant Professor of Psychology*
B.A., Union University; M.A., George Peabody College for Teachers. 1925.

*On leave, 1927-28.

- ALFRED DOUGLAS EDGAR, B.S. IN AG., *Assistant Professor of Agricultural Engineering*
B.S. in Ag., Kansas State Agricultural College. 1927.
- JOHN HARRY EINHOUSE, M.D., *University Physician*
B.S., University of Idaho; M.D., University of Louisville. 1926.
- JAY GLOVER ELDRIDGE, PH.D., *Professor of German, Head of the Department of Modern Languages, Dean of the University Faculty, and Acting Dean of the College of Letters and Science*
B.A., M.A., Ph.D., Yale University. 1901.
- DOROTHY GRACE ELLIS, M.A., *Associate Professor of Home Economics*
B.S. (H.Ec.), University of Idaho; M.A., Columbia University. 1924.
- ERNEST WILLIAM ELLIS, M.S. (MIN.E.), *Assistant Professor of Mining and Metallurgy*
B.S. (Min.E.), M.S. (Min.E.), University of Idaho. 1923.
- ROBERT HENRY ENGLE, M.S., *Associate Professor of Statistics and Economist, Experiment Station*
B.S., M.S., University of Illinois. 1927.
- CHARLES ERB, JR., A.B., *Director of Athletics*
A.B., University of California. 1926.
- RALPH HUNTER FARMER, A.B., *Associate Professor of Finance*
A.B., Oberlin College. 1927.
- CLYDE LEO FARRAR, E.E., *Assistant Professor of Electrical Engineering*
B.S. (E.E.), E.E., University of Colorado. 1923.
- OREN ARAM FITZGERALD, B.A., *Director of Publicity, Instructor in Journalism, and Alumni Secretary*
B.A., University of Idaho. 1927.
- RICHARD ANTHONY FOX, B.A., *Assistant Director of Athletics*
B.A., University of Idaho. 1927.
- PERMEAL JANE FRENCH, M.A., *Dean of Women*
M.A., University of Idaho; M.A., George Washington University. 1908.
- FRANCIS REUEL FULLER, Major Inf., U. S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, U. S. Military Academy. 1925.
- FLOYD WHITNEY GAIL, PH.D., *Professor of Botany*
B.A., M.A., University of Nebraska; Ph.D., University of Washington. 1913.
- FULTON GILBREATH GALE, B.S., *Supervisor of Practice Teaching*
B.S., Whitman College. 1925.
- MAUDE GARNETT, *Assistant Professor of Public School Music*
Graduate, American Institute of Normal Methods. 1924.
- HENRY FALLENSTEIN GAUSS, M.E., *Professor of Mechanical Engineering*
B.S. (M.E.), M.E., Washington University. 1925.
- GUSTAF WILLIAM HAMMAR, PH.D., *Assistant Professor of Physics*
B.S., M.S., University of Idaho; Ph.D., California Institute of Technology. 1922.
- SILAS ADELBERT HARRIS, J.D., *Professor of Law and Acting Dean of the College of Law*
A.B., Simpson College; J.D., University of Chicago. 1924.

- CHARLES H. HART, JR., First Lieutenant, Infantry, D.O.L., U. S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, Infantry School of Arms. 1924.
- CUTHBERT WRIGHT HICKMAN, B.S.(AGR.), *Professor of Animal Husbandry and Animal Husbandman, Experiment Station*
B.S.(Agr.), University of Missouri. 1914.
- PARKER MANFRED HOLMES, A.M., *Assistant Professor of Business Administration*
B.Ed., Illinois State Normal University; A.M., University of Chicago. 1927.
- JOHN WILBUR HOWARD, B.S.(C.E.), *Assistant Professor of Civil Engineering*
B.S.(C.E.), University of Colorado. 1927.
- ARTHUR SYLVESTER HOWE, M.A., *Assistant Professor of Romance Languages*
A.B., College of William and Mary; M.A., University of Idaho. 1922.
- ERNEST EVERETT HUBERT, PH.D., *Professor of Forestry, and Forester to the Forest Experiment Station*
B.S.(For.), M.S.(For.), University of Montana; Ph.D., University of Wisconsin. 1925.
- HAROLD WATKINS HULBERT, M.S.(AGR.), *Professor of Agronomy, Agronomist, Experiment Station*
B.S., Michigan Agricultural College; M.S.(Agr.), Iowa State College. 1917.
- CHARLES WILLIAM HUNGERFORD, PH.D., *Professor of Plant Pathology and Plant Pathologist, Experiment Station; Assistant Dean of the College of Agriculture and Vice-Director, Experiment Station*
B.S., Upper Iowa University; M.S., Ph.D., University of Wisconsin. 1919.
- EDWARD JOHN IDDINGS, M.S., *Dean of the College of Agriculture, Director of the Experiment Station, and Director of Extension*
B.S.(Agr.), M.S., Colorado Agricultural College, 1910.
- IDA INGALLS, M.A., *Assistant Professor of Home Economics*
B.A., University of Iowa; M.A., Columbia University. 1927.
- FRANCIS WILLIAM JACOB, LL.B., *Associate Professor of Law*
A.B., Bowdoin College; LL.B., Harvard University. 1927.
- KATHERINE JENSEN, M.S., *Professor of Home Economics and Director of the Home Economics Curriculum*
B.S., North Dakota Agricultural College; M.S., University of Illinois. 1919.
- ELIZABETH BARBARA JOHNSON, B.S., *Assistant Professor of Art and Design*
B.S., University of Minnesota. 1927.
- JENNIE FOWLER WILLING JOHNSON, M.M., *Assistant Professor of Music*
M.M., American Conservatory of Music. 1926.
- J. HUGO JOHNSON, E.E., *Professor of Electrical Engineering*
B.A., E.E., University of Wisconsin. 1918.
- THOMAS STONER KERR, LL.B., *Associate Professor of Economics and Sociology*
A.B., Indiana University; LL.B., University of Michigan. 1924.

VIRGIL RAYMOND DREXEL KIRKHAM, M.S., (GEOL.), *Assistant Professor of Geology*

B.S., University of Washington; M.S. (Geol.), University of Idaho. 1920.

JOHN ANTON KOSTALEK, PH.D., *Professor of Organic Chemistry*

B.A., M.A., University of Wisconsin; Ph.D., University of Illinois. 1911.

THEODORE KRATT, MUS.M., *Professor of Music, and Director of the Music Curriculum*

Mus.B., Mus.M., Chicago Musical College. 1927.

CLIFFORD ELMER LAMPMAN, B.S.A., *Professor of Poultry Husbandry and Poultry Husbandman, Experiment Station*

B.S.A., University of Wisconsin. 1928.

FRANCIS BAKER LANEY, PH.D., *Professor of Geology*

B.S., Drury College; M.A., University of Wisconsin; Ph.D., Yale University. 1920.

*DAVID CHRISTOPH LANGE, M.S. (ARCH.), *Professor of Architecture and University Architect*

B.S. (Arch.), M.S. (Arch.), University of Pennsylvania. 1926.

HERBERT ELMER LATTIG, M.S. (ED.), *Associate Professor of Agricultural Education*

B.S. (Agr.), M.S. (Ed.), University of Idaho. 1926.

ADAH LEWIS, M.S., *Associate Professor of Home Economics*

B.S., M.S., Kansas State College. 1923.

MORTIMER REED LEWIS, C.E., *Professor of Agricultural Engineering and Irrigationist, Experiment Station*

B.S. (Min.E.), C.E., University of Utah. 1922.

†LEWIS ELWARD LONGLEY, M.S. (AGR.), *Associate Professor of Horticulture, and Assistant Horticulturist, Experiment Station*

A.B., Coe College; M.S. (Agr.), Washington State College. 1918.

GEORGE LEROY LUKE, M.A., *Assistant Professor of Physics*

B.A., Brigham Young University; M.A., University of Wisconsin. 1920.

BERNICE MCCOY, M.S. (ED.), *Assistant Professor of Education and Director of Non-Resident Instruction and Placement Service*

B.S. (Ed.), M.S. (Ed.), University of Idaho. 1922.

GUY RAYMOND MCDOLE, M.A., *Associate Professor of Agronomy and Soil Technologist, Experiment Station*

B.S., M.A., University of Nebraska. 1920.

HARRY PETER MAGNUSON, M.S. (AGR.), *Assistant Soil Chemist, Experiment Station, and Acting Chemist*

B.S. (Agr.), University of Nebraska; M.S. (Agr.), University of Idaho. 1920.

EDWARD FILES MASON, M.A., *University Editor, Associate Professor of Journalism, and Secretary of the Faculty*

A.B., Whitman College; B.Lit., Columbia University; M.A., University of Idaho. 1919.

FRANK LAWRENCE MECHEM, LL.B., *Professor of Law*

Ph.B., LL.B., University of Chicago. 1926.

*First semester, 1927-28.

†On leave, 1927-28.

JAMES FRANKLIN MESSENGER, PH.D., *Professor of Education and Dean of the School of Education*

A.B., University of Kansas; A.M., Harvard University; Ph.D., Columbia University. 1920.

FRANCIS GARNER MILLER, M.F., *Professor of Forestry, Dean of the School of Forestry, and Director of the Forest Experiment Station*

Ph.B., University of Iowa; B.S.A., Iowa State College; M.F., Yale University Forest School. 1917.

GEORGE MOREY MILLER, PH.D., *Professor of English*

A.B., University of Indiana; A.M., Harvard University; Ph.D., University of Heidelberg. 1917.

FRANK ELISHA MOORE, B.S. (AGR.), *Assistant Poultry Husbandman, Experiment Station*

B.S. (Agr.), North Dakota Agricultural College. 1927.

FREDERICK J. MOREAU, LL.B., *Assistant Professor of Law*

Ph.B., LL.B., University of Wisconsin. 1927.

*RAY E. NEIDIG, M.S., *Professor of Agricultural Chemistry and Chemist, Experiment Station*

B.S., M.S., Cornell College; Ph.C., University of Iowa. 1918.

JULIUS EDWARD NORDBY, M.S. (AGR.), *Associate Professor of Animal Husbandry and Assistant Animal Husbandman, Experiment Station*

B.S. (Agr.), University of Idaho; M.S. (Agr.), University of Illinois. 1916.

DAVID NYVALL, JR., B.M., *Assistant Professor of Music*

B.M., American Conservatory. 1924.

GEORGE HARRISON ORIAN, PH.D., *Assistant Professor of English*

A.B., North-Western College; A.M., Ph.D., University of Illinois. 1927.

THEODORE JAN PRICHARD, B.A., *Assistant Professor of Art*

B.A., University of Minnesota. 1926.

CHARLES CLARENCE PROUTY, M.S., *Assistant Bacteriologist, Experiment Station*

B.S., Oregon Agricultural College; M.S., Iowa State College. 1924.

J. MILFORD RAEDER, M.S., *Associate Plant Pathologist, Experiment Station*

B.S. (Agr.), M.S., Iowa State College. 1921.

GODFREY LEONARD ALVIN RUEHLE, M.S. (CHEM.), *Professor of Bacteriology and Bacteriologist, Experiment Station*

Ph.G., B.S. (Pharm.), M.S. (Chem.), University of Washington. 1926.

RALPH DOUGLAS RUSSELL, PH.D., *Professor of Secondary Education*

B.A., Union University; Ph.D., University of Iowa. 1926.

MARGARETE LOUISE SARGENT, M.A., *Professor of Romance Languages*

M.A., Columbia University. 1920.

GEORGE SILAS SCHILLING, M.S., *Assistant Bacteriologist, Experiment Station*

B.S., University of Arkansas; M.S., Michigan State College. 1927.

WESLEY EARL SHULL, M.S., *Assistant Professor of Entomology and Assistant Entomologist, Extension Division*

B.S., Iowa State College; M.S., University of Idaho. 1926.

*On leave, 1927-28.

ROBERT SHIRLEY SNYDER, M.S. (AGR.), *Assistant Professor of Agricultural Chemistry, and Associate Chemist, Experiment Station*
B.S., Coe College; M.S. (Agr.), University of Idaho. 1919.

HOWARD BROWN STOUGH, PH.D., *Associate Professor of Zoology*
A.B., Midland College; M.A., Kansas University; Ph.D., Harvard University. 1925.

GEORGE LESLIE SULERUD, M.A., *Assistant Economist, Experiment Station*
B.S. (Agr.), M.A., University of Minnesota. 1925.

MARY BELLE SWEET, B.L.S., *Librarian, and Instructor in Library Science*
B.L.S., University of Illinois. 1905.

BRAINARD L. TAYLOR, D.V.M., *Assistant Professor of Veterinary Science*
D.V.M., Kansas State Agricultural College. 1920.

EUGENE TAYLOR, M.A., *Professor of Mathematics*
A.B., M.A., DePauw University. 1920.

THORNTON GREENWOOD TAYLOR, M.F., *Assistant Professor of Forestry, and Assistant Forester to the Forest Experiment Station*
M.F., Yale University Forest School. 1927.

DONALD R. THEOPHILUS, M.S., *Associate Professor of Dairy Manufacture, and Assistant Dairy Husbandman, Experiment Station*
B.S. in Animal Husbandry; B.S. in Dairy Manufacture; M.S. in Dairy Bacteriology, Iowa State College. 1927.

FRANCIS ANDREW THOMSON, D.Sc., *Professor of Mining and Metallurgy and Dean of the School of Mines*
E.M., M.S., D.Sc., Colorado School of Mines. 1917.

HENRIETTA J. TROMANHAUSER, PH.D., *Associate Professor of Modern Languages*
B.A., University of Chicago; Ph.D., University of Heidelberg. 1920.

LEIF VERNER, M.S., *Assistant Professor of Horticulture and Assistant Horticulturist, Experiment Station*
B.S., M.S., Pennsylvania State College. 1927.

CLARENCE CORNELIUS VINCENT, M.S. (AGR.), *Professor of Horticulture and Horticulturist, Experiment Station*
B.S.A., M.S., Oregon Agricultural College; M.S. (Agr.), Cornell University. 1910.

CARL LEOPOLD VON ENDE, PH.D., *Professor of Chemistry and Head of Department of Chemistry*
B.S., M.S., University of Iowa; Ph.D., University of Goettingen. 1908.

CLAUDE WAKELAND, M.S., *Entomologist, Experiment Station and Extension Division*
B.S. (Agr.), M.S., Colorado Agricultural College. 1920.

HERBERT STETSON WARREN, PH.D., *Assistant Professor of Zoology*
B.S., College of the City of New York; M. A., Columbia University; Ph.D., Stanford University. 1926.

*FRED ERIE WHITEHEAD, M.S., *Associate Professor of Entomology and Entomologist, Extension Division*

B.A., Baker University; M.S., Kansas State Agricultural College. 1924.

WILLARD JOSEPH WILDE, M.S., *Assistant Professor of Accounting*
B.S., University of Utah; M.S., University of California. 1924.

LILLIAN JANETTE WIRT, M.A., *Assistant Professor of Physical Education*

B.A., University of Nebraska; M.A., Columbia University. 1923.

JERRY EDWARD WODSEDALEK, PH.D., *Professor of Zoology, Director of Pre-Medical Study, and Dean of the Graduate School*
Ph.B., Ph.M., Ph.D., University of Wisconsin. 1913.

ELLA WOODS, PH.D., *Research Professor of Home Economics*
B.S., B.S.(H.Ec.), University of Idaho; A.M., Ph.D., Columbia University. 1927.

INSTRUCTORS AND ASSISTANTS IN INSTRUCTION

HERMA GENEVA ALBERTSON, B.S., *Instructor in Botany*
B.S., University of Idaho. 1927.

BERNARD ANDREW ANDERSON, B.S.(FOR.), *Graduate Fellow in Forestry*
B.S.(For.), University of Washington. 1927.

GEORGE CLARENCE ANDERSON, B.S.(AGR.), *Instructor in Dairy Husbandry*
B.S.(Agr.), Kansas State Agricultural College. 1922.

IVAN AXEL ANDERSON, B.S.(AGR.), *Assistant in Bacteriology*
B.S.(Agr.), University of Idaho. 1926.

WILLIAM CARR BANKS, A.B., *Instructor in English*
A.B., University of Washington. 1927.

LORIS TURNER BARKER, B.A.(ED.), *Supervisor of Practice Teaching in History*
B.A.(Ed.), University of Washington. 1927.

FRANK L. BARNUM, Sgt. U. S. Army, *Assistant in Military Science and Tactics*
1926.

MARGARET BARRY, M.A., *Instructor in English*
A.B., Wellesley College; M.A., University of Chicago. 1927.

PAUL SHEPARD BILLINGTON, A.B., *Assistant in Chemistry*
A.B., University of Oregon. 1927.

BOYD LYSCUM BRIGHAM, B.S.(AGR.), *Supervisor of Practice Teaching in Agriculture*
B.S.(Agr.), University of Idaho. 1925.

MARY CECILIA BROWN, B.A., *Supervisor of Practice Teaching in English*
B.A., University of Idaho. 1926.

WILL C. BRYAN, Capt., (M.H.), *Assistant in Physical Education*
1927.

*On leave, 1927-28.

- JESSE EVERETT BUCHANAN, B.S.(C.E.), *Instructor in Civil Engineering and Testing Engineer, Road Materials Laboratory*
B.S.(C.E.), University of Idaho. 1927.
- WILLIAM HERSCHEL BUNCH, M.A., *Instructor in Mathematics*
B.A., Walla Walla College; B.A., Pacific University; M.A., University of Oregon. 1927.
- GEOFFREY GAINSBOROUGH COOPE, M.A., *Instructor in English*
B.A., University of British Columbia; M.A., University of California. 1927.
- AGNES EUNICE CRAWFORD, M.MUS., *Instructor in Piano*
B.Mus., M.Mus., Syracuse University. 1927.
- ALAN DAVIS DAILEY, B.S., *Assistant University Editor*
B.S., Kansas State Agricultural College. 1925.
- ARCHIBALD GILBERT DARWIN, B.S.(C.E.), *Instructor in Civil Engineering*
B.S.(C.E.), University of Idaho. 1927.
- ROBERT EUGENE DOLE, B.S.(M.E.), *Instructor in Shop Work*
B.S.(M.E.), University of Idaho. 1927.
- GEORGE ERNEST DRAPER, B.S., *Assistant in Agricultural Chemistry*
B.S., University of Arizona. 1927.
- FRANCES MARGARET FLOED, B.S., *Graduate Fellow in Zoology*
B.S., University of Washington. 1927.
- FLORENCE RICHARDSON GOFF, B.A., *Instructor in Physical Education*
B.A., University of Idaho. 1923.
- ADA MARY GREGORY, B.S.(ED.), *Graduate Fellow in Education*
B.S.(Ed.), University of Idaho. 1927.
- ELMER ROBERT HAGMAN, B.S.(ED.), *Graduate Fellow in Education*
B.S.(Ed.), University of Idaho. 1927.
- LOUISE BLAU HAMMAR, M.A., *Instructor in Modern Languages*
B.A.(Ed.), University of Washington; M.A., University of Idaho. 1922.
- HENRY CHRISTIAN HANSEN, M.S.(AGR.), *Assistant in Dairy Manufacture*
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1925.
- WILLIAM LEE HARRIS, M.S., *Instructor in Mathematics*
B.S., Georgetown University; M.S., Iowa State College. 1925.
- GLENN GEORGE HAVENS, B.S., *Graduate Fellow in Physics*
B.S., University of Idaho. 1927.
- HELEN SANFORD HAWKES, A.B., *Graduate Fellow in English*
A.B., College of Idaho. 1926.
- RUTH HAWKINS, B.A., *Graduate Fellow in English*
B.A., University of Idaho. 1927.
- LEONARD HELLAND, B.S.(M.E.), *Assistant in Physics*
B.S.(M.E.), University of Idaho. 1921.
- CARL WALLACE HOISINGTON, *Instructor in Music*
University of Washington. 1927.
- DONALD AUGUST HOLM, A.M., *Graduate Fellow in Geology*
A.B., A.M., University of Michigan. 1927.

- GEORGE ELMER HORTON, B.S.(E.E.), *Graduate Manager of Student Activities*
B.S.(E.E.), University of Idaho. 1923.
- HILBERT A. HOWE, *Instructor in Music*
Graduate, Minnesota State Teachers' College. 1927.
- ELMER N. HUMPHREY, *Shop Assistant in Agricultural Engineering*
1927.
- MARK MARIAM KEITH, B.S., *Graduate Fellow in Zoology*
B.S., University of Idaho. 1927.
- MARY DAISY LARGENT, B.A., *Graduate Fellow in Zoology*
B.A., University of Oregon. 1927.
- ALBERT ALDEN MARDEN, *Assistant in Physics*
1916.
- ALONZO WILBUR MARTIN, B.S.(CHEM.E.), *Instructor in Chemistry*
B.S.(Chem.E.), University of Idaho. 1925.
- LOREN ELIOT MESSENGER, B.S.(ED.), *Graduate Fellow in Zoology*
B.S.(Ed.), University of Idaho. 1927.
- PAULINE HOWARD MITCHELL, B.A., *Graduate Assistant in Romance Languages*
B.A., University of Idaho. 1926.
- WARREN JAMES MONTGOMERY, B.A., *Graduate Fellow in English*
B.A., University of Idaho. 1927.
- EDGAR HENRY NEAL, *Research Assistant in Agricultural Engineering*
1926.
- DAVID WILLIAM NELSON, B.S.(ED.), *Graduate Fellow in Education*
B.S.(Ed.), University of Idaho. 1927.
- HARRY IRA NETTLETON, B.S.F., *Instructor in Forestry*
B.S.F., Oregon Agricultural College. 1923.
- CHARLES MATHEW NICHOLSON, B.S., *Graduate Fellow in Economics*
B.S.(Bus.), University of Minnesota. 1927.
- BERNT NIELSEN, *Instructor in Cornet Playing, Leader of the Cadet Military Band*
Graduate of Army Music School, Trondhjem, Norway. 1918.
- VERA AMY NORTON, M.S., *Instructor in Zoology*
B.S.(Ed.), M.S., University of Idaho. 1927.
- WALTER HOWARD PIERCE, M.S., *Assistant in Plant Pathology*
B.S.(Agr.), M.S., University of Idaho. 1925.
- WILLIAM HENRY PITTMAN, A.B., *Graduate Fellow in Political Science*
A.B., University of Washington. 1927.
- VAUGHAN EMERSON PRATER, B.A., *Instructor in Modern Languages*
B.A., University of Idaho. 1926.
- MELVIN MILLER RADER, M.A., *Instructor in English*
A.B., M.A., University of Washington. 1927.
- LUCILLE VICTORIA RAMSTEDT, B.M., *Assistant in Music*
B.M., University of Idaho. 1928.
- ELLEN REIERSON, M.S.(ED.), *Instructor in Business Administration*
B.S.(Ed.), M.S.(Ed.), University of Idaho. 1926.

JOHN DAVID REMSBERG, JR., M.S.(AGR.), *Instructor in Agronomy and Assistant Agronomist, Experiment Station*
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1924.

MABEL WINIFRED RENTFRO, A.M., *Instructor in Languages*
B.A., University of Idaho; A.M., Radcliffe College. 1925.

LESTER LORENTZ SCHULTZ, B.A., *Instructor in English*
B.A., University of Minnesota. 1927.

OSWALD C. R. STAGEBERG, B.S.(ARCH.), *Instructor in Architecture*
B.S.(Arch.), University of Minnesota. 1926.

EMMA MARIE STUROW, *Instructor in Modern Languages*
Sorbonne; University of California; Washington State College. 1927.

GLENN WALLACE SUTTON, M.A., *Instructor in Economics*
B.S., M.A., Indiana University. 1927.

JESSIE BEATRICE THORNER, B.S., *Supervisor of Practice Teaching in Home Economics*
B.S., South Dakota State College. 1923.

LEAH RACHEL TUTTLE, R.N., *Assistant in Home Economics*
Graduate, Good Samaritan Hospital. 1927.

ALBERTO VÁZQUEZ, M.A., *Instructor in Romance Languages*
B.A., M.A., University of Idaho. 1925.

HILDEGARDE WANOUS, M.A., *Instructor in English*
B.A., M.A., University of Minnesota. 1927.

ERWIN GEORGE WIESEHUEGEL, B.S.(FOR.), *Instructor in Forestry*
B.S.(For.), University of Michigan. 1926.

LONIE WOODS, Sgt. U. S. Army, *Assistant in Military Science and Tactics*
1921.

SUPERINTENDENTS OF EXPERIMENT SUBSTATIONS

A. E. McClymonds, B.S.(AGR.), Aberdeen.
B.S.(Agr.), Kansas State Agricultural College. 1921.

D. A. STUBBLEFIELD, Caldwell.
1920.

WILLIAM ALFRED MOSS, B.S.(AGR.), Felt.
B.S.(Agr.), Kansas State Agricultural College. 1918.

JOHN HENRY CHRIST, M.S.(AGR.), Sandpoint.
B.S.(Agr.), University of Idaho; M.S., Iowa State College. 1921.

OFFICERS OF EXTENSION DIVISION

(Agriculture and Home Economics)

EDWARD JOHN IDINGS, M.S., *Dean of the College of Agriculture and Director of Extension Division*

GRACE B. RAEDER, *Executive Secretary to the Dean of the College of Agriculture*

1920.

Field Staff

CHARLES BOONE AHLSON, B.S.(AGR.), *Field Agronomist and State
Seed Commissioner* State House, Boise

B.S.(Agr.), Oregon Agricultural College. 1919.

JESSIE C. AYRES, A.B., *State Seed Analyst* Noble Building, Boise
A.B., University of Washington. 1919.

EDMUND ROSWELL BENNETT, M.H., *Field Horticulturist*
State House, Boise

B.S., M.H., Michigan Agricultural College. 1916.

WINNEY ELMER CROUCH, B.S.(AGR.), *Rodent Control Leader*
State House, Boise

B.S.(Agr.), North Dakota Agricultural College. 1916.

MARJORIE EASTMAN, M.A., *Clothing Specialist*
State House, Boise

B.S., Simmons College; M.A., Columbia University. 1926.

DAVID LESLIE FOURT, B.S.(AGR.), *Field Dairyman*
State House, Boise

B.S.(Agr.), University of Idaho. 1922.

MARION M. HEPWORTH, B.S.(H.EC.), *Home Demonstration Leader,
and Nutrition Specialist* Moscow

B.S.(H.Ec.), Kansas State College. 1924.

PREN MOORE, *Poultry Specialist* State House, Boise
1919.

LEWIS DRAPER RAEDER, B.S.(AGR.), *Assistant Field Agronomist*
State House, Boise

B.S.(Agr.), University of Idaho. 1926.

JOHN HENRY REARDEN, B.S., *County Agent Leader* Moscow
B.S., Oregon Agricultural College. 1920.

EDWARD FRANKLIN RINEHART, B.S.,(AGR.), *Field Animal Husbandman*
State House, Boise

B.S.(Agr.), Ohio State University. 1918.

WESLEY EARL SHULL, M.S., *Assistant Extension Entomologist, and
Assistant Professor of Entomology* Moscow

B.S., Iowa State College; M.S., University of Idaho. 1926.

CLAUDE WAKELAND, M.S., *Field Entomologist and Entomologist, Ex-
periment Station* Parma

B.S.(Agr.), M.S., Colorado Agricultural College. 1920.

*FRED ERIE WHITEHEAD, M.S., *Extension Entomologist and Associate
Professor of Entomology*

B.A., Baker University; M.S., Kansas State Agricultural College. 1924.

County Agents

I. M. C. ANDERSON, B.S.(AGR.), *County Extension Agent, Caribou
County* Soda Springs

B.S.(Agr.), Oregon Agricultural College. 1927.

*On leave, 1927-28.

- TRUMAN C. ANDERSON, B.S. (AGR.), *County Extension Agent, Lincoln County* Shoshone
B.S. (Agr.), Washington State College. 1927.
- DELBERT T. BOLINGBROKE, B.S. (AGR.), *County Extension Agent, Madison County* Rexburg
B.S. (Agr.), Utah Agricultural College. 1926.
- RALPH S. BRISTOL, B.S. (AGR.), *County Extension Agent, Bannock County* Pocatello
B.S. (Agr.), University of Idaho. 1928.
- ROLAND ELMER BROSSARD, B.S., *County Extension Agent, Twin Falls County* Twin Falls
B.S., Utah Agricultural College. 1921.
- ROBERT NEIL IRVING, B.S. (AGR.), *County Extension Agent, Kootenai County* Coeur d'Alene
B.S. (Agr.), B.S. (Ed.), University of Idaho. 1922.
- PETER MARTIN JESNESS, B.S. (AGR.), *County Extension Agent, Elmore County* Mountain Home
B.S. (Agr.), University of Minnesota. 1918.
- CHASE KEARL, B.S. (AGR.), *County Extension Agent, Bear Lake County* Paris
B.S. (Agr.), Utah Agricultural College. 1921.
- T. J. KLINGLER, B.S., *County Extension Agent, Blaine County*, Hailey
B.S., Ohio Northern University. 1919.
- BUFORD ELMER KUHS, B.S. (AGR.), *County Extension Agent, Minidoka County* Rupert
B.S. (Agr.), University of Idaho. 1927.
- GLENN L. LOVELESS, B.S. (AGR.), *County Extension Agent, Teton County* Driggs
B.S. (Agr.), University of Utah. 1927.
- O. E. MCCONNELL, B.S. (AGR.), *County Extension Agent, Gooding County* Gooding
B.S. (Agr.), University of Missouri. 1921.
- CLARENCE CLARK MCCORMICK, B.S., *County Extension Agent, Benewah County* St. Maries
B.S., Montana State College. 1927.
- THOMAS HEBER MORRELL, B.S. (AGR.), *County Extension Agent, Bonneville County* Idaho Falls
B.S. (Agr.), Utah Agricultural College. 1926.
- WILLIAM WENDELL PALMER, B.S. (AGR.), *County Extension Agent, Cassia County* Burley
B.S. (Agr.), University of Idaho. 1927.
- MORREL A. POWELL, B.S., *County Extension Agent, Franklin County* Preston
B.S., Utah Agricultural College. 1920.
- DELMER E. SMITH, B.S., *County Extension Agent, Jefferson County* Rigby
B.S., Utah Agricultural College. 1927.

- RAYMOND JAMES SMITH, B.S.(AGR.), *County Extension Agent,*
Oneida County Malad
 B.S.(Agr.), Utah Agricultural College. 1918.
- THOMAS EDWARD SPEEDY, B.S.(AGR.), *County Extension Agent*
Jerome County Jerome
 B.S.(Agr.), University of Idaho. 1927.
- LEON B. TAYLOR, B.S.(AGR.), *County Extension Agent, Latah*
County Moscow
 B.S.(Agr.), University of Idaho. 1923.
- WALTER FRANCIS THOMAS, B.S.(AGR.), *County Extension Agent,*
Bonner County Sandpoint
 B.S.(Agr.), University of Idaho. 1921.
- MERLE L. TILLERY, B.S.(AGR.), *County Extension Agent, Bingham*
County Blackfoot
 B.S.(Agr.), Colorado Agricultural College. 1925.
- LUCIUS EDWIN TILLOTSON, B.S.(AGR.), *County Extension Agent,*
Power County American Falls
 B.S.(Agr.), University of Minnesota. 1920.
- FRED L. WILLIAMS, *County Extension Agent, Gem County* Emmett
 1915.

Home Demonstration Agents

- NORMA BARNES, B.S.(H.EC.), *District Home Demonstration Agent*
 Idaho Falls
 B.S.(H.Ec.), University of Idaho. 1925.
- MARY EVA VAN DEUSEN, B.S.(H.EC.), *District Home Demonstration*
Agent Rupert
 B.S.(H.Ec.), University of Idaho. 1926.
- INEZ EGGERT KENT, B.S.(H.EC.), *District Home Demonstration Agent*
 Boise
 B.S.(H.Ec.), Kansas State Agricultural College. 1928.
- ARLA B. MCKINNON, B.S.(H.EC.), *County Home Demonstration Agent,*
Bannock County Pocatello
 B.S.(H.Ec.), Utah Agricultural College. 1927.
- KATHRYN KEANE MULHALL, B.S.(H.EC.), *District Home Demonstration*
Agent Moscow
 B.S.(H.Ec.), University of Idaho. 1927.

Club Agents

- JAMES WARREN BARBER, B.S.(AGR.), *District Extension Agent, Burley*
 B.S.(Agr.), University of Idaho. 1921.
- DAVID B. FALES, B.S.(AGR.), *County Club Agent, Bannock County*
 Pocatello
 B.S.(Agr.), University of Idaho. 1926.
- WILLIAM DALE KINDER, B.S.(AGR.), *District Extension Agent, Boise*
 B.S.(Agr.), Oregon Agricultural College. 1928.
- WILLIAM LOUIS STEPHENS, B.S.(AGR.), *District Extension Agent*
 Moscow
 B.S.(Agr.), University of Idaho. 1926.

RESEARCH STAFF*

Idaho Bureau of Mines and Geology

A. W. FAHRENWALD, MET.E., *Ore Dressing Engineer, U. S. Bureau of Mines*

B.S.(Met.), Met.E., South Dakota School of Mines; Engineer of Mines, New Mexico School of Mines. 1919.

CLARENCE THOM, B.S., *Assistant Metallurgist, U. S. Bureau of Mines*
B.S., Whitman College. 1927.

ALFRED L. ANDERSON, M.S.(GEOL), *Assistant Geologist*
B.S.(Chem.E.), M.S.(Geol.), University of Idaho. 1926.

DOUGLAS C. CARROLL, *Analyst*
1927.

STEWART H. UDELL, B.S.(ENG.), *Draftsman*
B.S.(Eng.), University of Utah. 1927.

STEPHEN W. STOCKDALE, B.S.(MIN.E.), *Fellow in Metallurgy*
B.S.(Min.E.), University of Idaho. 1927.

WALTER F. MECKEL, B.S.(MIN.), *Fellow in Metallurgy*
B.S.(Min.), Case School of Applied Science. 1927.

LIBRARY ASSISTANTS

AGNES CHRISTINA PETERSON, A.B., *Reference Assistant*
A.B., University of Washington. 1922.

ELIZABETH STRAND, A.B., *Cataloguer*
A.B., Washington State College. 1927.

MAURENE CHENOWETH, B.A., *Periodical Assistant*
B.A., University of Idaho. 1926.

MARIE CYRENA JOHNSON, B.A., *Loan Desk Assistant*
B.A., University of Idaho. 1927.

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AMALIE BARING, *Cashier*, Office of the Bursar

SIDNEY C. BATES, *Chief Engineer*

JOHN BECHTOLD, *Beef Cattle Herdsman*

PAULINE BICKLEY, *Secretary*, School of Forestry

MARY ELLEN BROOD, *Stenographer*, Agriculture

ALMA BROWN, *Stenographer*, Office of Graduate Manager

MARJORIE WARNER BROWN, B.S., *Clerk*, Placement Bureau
B.S., University of Idaho.

STANLEY S. BROWN, *Shepherd*

*These are not members of the University Faculty. Faculty members also participate in Bureau research. Relationship of the Bureau to the University is explained on page 14.

LYDIA BUE, *Clerk*, Office of the Registrar
F. LEO BURKART, *Field Superintendent in Agronomy*
MARGARET OSTROOT CORNELISON, *Assistant Registrar*
FLORENCE CUNNINGHAM, *Stenographer, Agriculture*
CHARLES E. GABBY, *Dairy Herdsman*
LAVINIA A. GROSS, *Stenographer, Agriculture*
GEORGE C. HALLAM, *University Carpenter*
RHODA HOBSON, *Head of the General Stenographic Office*
RALPH KENNEDY, *Electrician*
EMALINE HEATH MAYS, *Secretary to the President*
EDITH M. NANCOLAS, *Secretary, Leader of Home Demonstration Agents*
FLOYD LYMAN PACKER, *Accountant, Office of the Bursar*
HENRIETTE PAROZ, *Clerk, Office of the Registrar*
EDNA PETERSON, R.N., *Head Nurse, the Infirmary*
Graduate, St. Joseph's Hospital, Vancouver, Wash.
HOWARD PFANDER, *Swine Herdsman*
MAGDALEN HENDERSON PIERCY, *House Mother, Ridenbaugh Hall*
ETHEL MARIE POVEY, B.S.(ED.), *Assistant to the Dean of Women*
B.S.(Ed.), University of Idaho.
CLEMENT LEE PRICE, *Forest Nurseryman*
GLADYS HAYDEN, *Stenographer, Agriculture*
GRACE B. RAEDER, *Executive Secretary to the Dean of Agriculture*
VIOLA RICHARDSON, *House Mother, Forney Hall*
ELMER ROTH, *Assistant Engineer*
FLORENCE R. SAMPSON, *Stenographer, Office of the Bursar*
ALEXANDER TURNER SCHENCK, *Construction Engineer*
CHARLES VERNON SCHRACK, B.S.(AGR.), *Campus Foreman*
B.S.(Agr.), Oregon Agricultural College.
LENA SHOUP, *House Mother, Hays Hall*
FRED SKOG, *Head Janitor*
MINERVA KATHRYN TERTELING, B.A., *Clerk, Office of the Registrar*
B.A., University of Idaho.
LUCIE THROCKMORTON, *Secretary, Leader of County Agents*
GEORGE TOMER, *Foreman of University Farm*
INEZ I. TRACY, *Stenographer, School of Mines*
GEORGE VAN, *Foreman of Poultry Farm*
PEARLE WATTS, *House Mother, Lindley Hall*

STANDING COMMITTEES OF THE FACULTY

Academic Council:

The President, Chairman; Dean Eldridge, Vice-Chairman; Deans Iddings, Crawford, Harris, Thomson, Miller, Messenger, Dale, Wodsedalek, French; Col. Chrisman; Professors K. Jensen, Kratt, McCoy, Chenoweth and E. Taylor; Miss Olesen.

Graduate Council:

Dean Wodsedalek, Chairman; Deans Eldridge, Thomson, Messenger; Professors Hungerford, G. M. Miller, Hubert; Miss Olesen.

Representative in Athletic Conference:

Dean Angell.

Representative on A. S. U. I. Board:

Dean Crawford.

Admissions and Advanced Credit:

Professor Axtell, Chairman; Professors Hulbert, Kerr, Russell, E. Taylor, Sargent; Miss Olesen.

Athletics:

Dean Angell, Chairman; Dean Crawford, Acting Chairman; Professors Axtell, Erb, Fox, Hulbert.

Auditorium:

Professor Cushman, Chairman; Professors Davidson and Kratt.

Calendar:

Dean Dale, Chairman; Deans French and Thomson; Professor Church; Mrs. Blomquist.

Dining Halls:

Mr. Parsons, Chairman; Dean French; Mr. Turner.

Discipline:

Professor Kostalek, Chairman; Dean Harris; Professors Dahm, Hickman, Kerr. Student members: George Yost, Alden Tall.

Exhibits:

Professor Laney, Chairman; Professors Hickman, Holmes, K. Jensen, M. R. Lewis, Prichard, Snyder.

Grounds and Buildings:

Mr. Parsons, Chairman; Dean Miller; Professors Lange, M. R. Lewis, Vincent, von Ende.

Health and Housing:

Professor Barton, Chairman; Dean French; Professors Ruehle, Stough, Wirt; Capt. Bryan; Drs. Armstrong and Einhouse; Miss Peterson.

Library:

Miss Sweet, Chairman; Dean Harris; Professors Church, Howe, Laney, Nordby.

Loan Funds:

Mr. Stanton, Chairman; Mr. Parsons; Professor Tromanhauser.

Publications:

Professor Mason, Chairman; Professors Farmer, McDole; Mr. Dailey, Mr. Fitzgerald.

Public Events:

Dean Thomson, Chairman; Deans Dale and Messenger; Professors Kratt, K. Jensen, G. M. Miller; Major Fuller.

Religious Interests:

Dean Miller, Chairman; Professors Burke, Chenoweth, Gauss; Mr. Turner.

Schedule:

Miss Olesen, Chairman; Dean Eldridge; Professors Gail, J. H. Johnson, E. Taylor, Vincent.

Student Organizations:

Colonel Chrisman, Chairman; Deans Crawford and Wodsedalek; Professors Barton and Kirkham; Mrs. Blomquist.

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PART VI
ALUMNI ORGANIZATION
DEGREES CONFERRED
HONOR LIST
REGIMENTAL ORGANIZATION

THE ALUMNI ASSOCIATION

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 First Vice-President.....Earl David, '04, Moscow
 Second Vice-President.....Alvin Denman, '19, Idaho Falls
 Third Vice-President.....George Donart, '13, Weiser
 Secretary-Treasurer.....O. A. Fitzgerald, '23, Moscow

COMMITTEES

ATHLETICS: Dr. Carrall L. Smith, '01, Spokane, chairman; George Elrod, ex '27, Pocatello; L. A. Thomas, '21, Malad; Proctor Perkins, '13, Hailey; Sylvester Kleffner, '25, Lewiston; Neil Irving, '21, Coeur d'Alene; Gene Ostrander, '23, Twin Falls; Abe Goff, '24, Moscow; Linus Sanberg, '22, Jerome; Warren Adelman, '17, Boise; Charles Horning, '14, Wallace; Harold Murray, '22, Nampa; William Gartin, '23, Caldwell; Vernon Patch, '25, Payette; Fred Marineau, '25, Weiser; Preston A. Richmond, '19, Sandpoint; O. E. McConnell, Gooding.

MEMORIAL: Charles Darling, '21, Boise, chairman; John H. McEvers, '15, Pocatello; Alvin Denman, '19, Idaho Falls; Mrs. Arthur Peavey, '03, Twin Falls; Mary Dunn, '25, Blackfoot; Preston A. Richmond, '19, Sandpoint; Vernon R. Clements, '20, Lewiston.

ADVISORY COUNCIL: Justice William E. Lee, '03, Boise; Virgil Samms, '14, Boise; Ralph R. Breshears, '21, Boise; Claude Gibson, '01, Boise; W. B. Kjosness, '13, Boise; Verna Johannesen, '18, Moscow; Elizabeth Woods, '23, Boise; Norman B. Adkison, '07, Boise; Earl David, '04, Moscow; L. A. Thomas, '21, Malad; Mrs. Arthur Peavey, '03, Twin Falls; O. A. Fitzgerald, '23, Moscow.

DEGREES CONFERRED IN JUNE, 1927

Commencement Address

CHARLES F. THWING, S.T.D., LL.D., LITT.D.
 President Emeritus, Western Reserve University

*Resigned.

BACCALAUREATE DEGREES

College of Letters and Science

BACHELOR OF ARTS

Malcolm Williams Anderson	Mary Lillian Kelly
Mildred Jeanette Anderson	Sidney McClellan
Vivienne Lucille Beardmore	Millie Margaret McCollum
Edmund Theodore Becher	John Odell McMurray
George Berger Benson	Fabian Orpha Markle
Byron Uriah Berry	Arthur Ray Matthews
Ruth Swan Burney	Stewart Sherman Maxey
Arda Janet Clare	Maurita Rose Miller
Lola Pearl Cordray	Katherine Isabel Nelson
Dorothy Mary Darling	Annabelle Amelia Nero
Kathleen Frances d'Easum	Olga Gertrude Otness
Ethel Humphrey DeWitt	Victor Otto Panek
Carol Jean DuBois	Thelma Lois Parkins
Mabel Kathryn Eichner	Edna Leone Parrott
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Ruth Clare Galligan	Melvina Myrtle Rowton
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Louise Martha Grunbaum	Marjorie Darlene Simpson
Hazel Marie Harris	Doris Louise Squibb
Madeline Margaret Hasfurther	Herman Eugene Swanson
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Gordon Vincent Hockaday	Sarah Ellen Trousdale
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Marie Cyrena Johnson	Mildred Bernice Warnke
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BACHELOR OF SCIENCE

Vada Hazel Allen	Joe Hesslein
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BACHELOR OF SCIENCE IN PRE-MEDICAL STUDIES

John Frederick Beattie	James Oliver Cromwell
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BACHELOR OF SCIENCE IN HOME ECONOMICS

June Ransom Davis	Julia Pond
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Margaret Augusta Duevel	Mary Esther Stalker
Mildred Gilbertson	Sara Sumsion
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Florence Rosina McConnell	Thelma Farnsworth Trowbridge
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*Posthumous.

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Nellie Julia Chapman

College of Agriculture

BACHELOR OF SCIENCE IN AGRICULTURE

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College of Engineering

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Cecil Lawrence Brown	Edson Levi Morris
James Woodruff Gartin	Roy Roosevelt Patchen
Joseph Theodore Holbrook	Norman Nedwin Schuttler
Phineas Harold Lamphere	Emmett Eugene Williams

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Hugh Charles Carroll

College of Law

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George Milnes Austin	Gale Lee Mix
Harry Christopher Baughman	James Lael Simmons
George Henry Freese	Marcus John Ware

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Otto Andrew Huefner	

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Isaac Chalotte Burroughs	Mark Morris Lehrbas
William Crago Callender	Eugene Vincent Phelps
Floyd William Godden	Galen Whittlesey Pike
Edwin Garber Greene	Jackson Wildin Space
Carl Alexander Gustafson	Arlie Walter Toole
Royal Harold Johnston	Fairly John Walrath
Guy Veranus Williams	

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Editha Barton	Murva Catherine Murray
Merna Isabel Bliss	David William Nelson
Curtis Leslie Bohlscheid	Helen Evelyn Nelson
Lenoir Lenard Buchanan	Clara Otness
Florence Madaline Casey	Samuel Willard Price
Rollin Hansen Charbonneau	Clyde Harvey Richards
Ethel Sue Chrisman	Cecil Leora Smith
Irene Costello	Helene Harley Smith
Gifford Davison	Marion Smith
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Johanna Josephine Keane	Edith Alta Tallman
Margaret Stephens Kinyon	Jay Vern Thompson
Charles Calvin Lame	Wiley Benjamin Tonnar
Dorothy Evelyn Lane	Marybelle Buckingham Toole
Mabel Anna Larsen	Bela Toth
Eleanor Jane Level	Marion Stuart Tripler
Richard Hiram McAtee	Genevieve Mary Watson
Eva Beatrice McDonald	Ethel Cordelia Weaver
Anne Marie McMonigle	Minerva Ricketts Williams
John Ralph Miles	Wayman John Williams
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Mildred Naomia Bates	Jess Farrel Gray
Fred Lewis Butler	Howard Henderson Hayward
Fred James Carr	Glen Aubrey Jones
Eunice Haskell Congleton	Charles Emerson Kincaid

Delno Dale Lyells	Howard Oliver Pickett
Purl Marx McAllister	Allan Edward Powers
Bryce Morgan	Montazella Pringle
Ragnhild Eline Olson	Jess Robert Randall
Robert Henry Oud	Clair Franklin Reem
Tom Samuel Owings	Edward Alvin Thomason
Hanley Howard Payne	John Earl Wagner
Joseph Ross Woods	

ADVANCED DEGREES

MASTER OF ARTS

Robert Scott Davidson, A.B.	Vivian Lemon, B.S. (Ed.)
Jessie Louise Greenwood, A.B.	Everetta Bass Ludberg, B.A.
James Locke Hawkes, B.A.	Edward Files Mason, A.B., B.Lit.

MASTER OF SCIENCE

Ora Budge, B.S.	Leslie William Hedge, B.S.
Louis Clyde Cady, B.S. (Chem.E.)	Raymond Thurston Parkhurst,
William Homer Cone, B.S.	B.S.
James Oliver Cromwell,	Ruth Elizabeth Schwarz, B.A.
B.S. (Pre-Med.)	Wesley Earl Shull, B.S.
Florence Virginia Whittier, B.S.	

MASTER OF SCIENCE IN AGRICULTURE

Henry Christian Hansen, B.S. (Agr.)

MASTER OF SCIENCE IN CIVIL ENGINEERING

Ike Newton Carter, B.S. (C.E.)	John Leslie Hemmert, B.S. (C.E.)
--------------------------------	----------------------------------

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Neil Phillips Bailey, B.S. (M.E.)

MASTER OF SCIENCE IN METALLURGY

Gwilym Henri Lewis, B.S.

MASTER OF SCIENCE IN GEOLOGY

Robert Eugene Sorenson, B.A.

MASTER OF SCIENCE IN FORESTRY

Arthur Merrill Sowder, B.S. (For.)

MASTER OF SCIENCE IN EDUCATION

Verne Vincent Caldwell, B.S. (Ed)	Werner Joseph Ripplinger, B.A.
Chang Yui Chang, A.B., M.H.	Clement Henry Sievers, B.S. (Ed.)
Gertrude Ellen Drissen, B.S. (Ed.)	Charles Witt Telford, B.S. (Ed.)
Nathan Blaine Giles, B.S.	Gertrude Elizabeth Lee Walter,
Lynne Keeney, B.S. (Ed.)	B.S. (Ed.)
Howard Marlin Muse, A.B.	Charles Dennis Yates, B.A.

COMMISSIONS AND CERTIFICATES

COMMISSIONED AS SECOND LIEUTENANTS

Officers' Reserve Corps, United States Army

Paul Williams Atwood	Franklin Curtiss Craig	Allan Edward Powers
Cecil Everett Balkow	Neil Clinton Derrick	Clyde Harvey Richards
John Bauer	Willard Fisher Ellsworth	Irving Remsburg Selby
Edmund Theodore Becher	Byron Eldred Harris	Frank Callaway Sinsel
James L. Brewrink	Joe Hesslein	Edward Alvin Thomason
McDonald Ross Brown	Edwin Nedros	Russell Lowell Tuttle
Jesse Everett Buchanan	Tom Samuel Owings	Richard Bliss Whitaker
George Tyler Burroughs	Roy Roosevelt Patchen	William Daniel Wrighter
Hugh Charles Carroll	Howard Oliver Pickett	

COMMISSIONED AS SECOND LIEUTENANTS, Officers' Reserve Corps, United States Army, July 29, 1927, upon Completion of Camp Training.

John Cecil Baird	Earl Francis Elstone*	Floyd Wilbur Lansdon
Isaac Chalotte Burroughs	Carl Alexander Gustafson	Jay Vern Thompson

AGRICULTURAL SHORT COURSE CERTIFICATES

COMMERCIAL DAIRYING

William Washburn Adsmund, *Caldwell*
 Harry M. Bemrod, *Calistoga, Calif.*
 Norris F. Castlio, *Plains, Mont.*
 Arthur V. Clark, *Boise*
 Paul A. Dorathy, *Fruitland*
 Hayes Macaulay, *Moscow*

Lawrence A. Ross, *Long Beach, Calif.*
 Ralph N. Solberg, *Winger, Minn.*

AUTO MECHANICS

Ralph N. Carnahan, *King Hill*
 Fay Kerby, *Peck*
 Herman W. Reuter, *Fenn*
 Ivan C. Willard, *Plummer*

*Certificate of eligibility on becoming of age.

FINAL HONOR LIST, CLASS OF 1927

For the conditions upon which honors are awarded, see page 32.

Names are arranged in alphabetical order in each group. Only students carrying at least twelve credits each semester are eligible for the honor list.

HIGHEST HONORS

Jesse Everett Buchanan, B.S.(C.E.), *Spokane, Wash.*
 June Ransom Davis, B.S.(H.Ec.), *Moscow*
 Carol Jean DuBois, B.A., *Moscow*
 Paul Winniford Hyatt, LL.B., *Lewiston*
 Marjorie Darlene Simpson, B.A., *Moscow*
 Sara Sumsion, B.S.(H.Ec.), *Chester, Utah*
 Herman Eugene Swanson, B.A., *Spokane, Wash.*
 Minerva Ricketts Williams, B.S.(Ed.), *Moscow*

HIGH HONORS

Mildred J. Anderson, B.A., *Moscow*
 Edmund Theodore Becher, B.A., *Twin Falls*
 Eunice Haskell Congleton, B.S.(Bus.), *Burley*
 Theodore Harrison Correll, B.S., *Moscow*

Dorothy Mary Darling, B.A., *Boise*
 Neil Clinton Derrick, B.S. (Agr.), *South Otselec, N. Y.*
 Floyd William Godden, B.S. (For.), *River Falls, Wis.*
 Gertrude Gould, B.S. (Ed.), *Blackfoot*
 Millie Margaret McCollum, B.A., *Orofino*
 Galen Whittlesey Pike, B.S. (For.), *East Woodstock, Conn.*
 Lucile Victoria Ramstedt, B.M., *Moscow*
 Doris Louise Squibb, B.A., *Spokane, Wash.*
 Marcus John Ware, LL.B., *Twin Falls*
 Mildred Bernice Warnke, B.A., *Burley*
 Genevieve Mary Watson, B.S. (Ed.), *Spalding*

REGIMENTAL ORGANIZATION

Colonel EDWARD R. CHRISMAN, U. S. Army, Retired.

Assistants: Major FRANCIS R. FULLER, Infantry, D.O.L.; Captain BENJAMIN M. CRENSHAW, Infantry, D.O.L.; First Lieutenant CHARLES H. HART, JR., Infantry, D.O.L.; Warrant Officer BERNT NIELSEN, U. S. Army, Retired, Band Master and Leader; Staff Sergeants LONIE WOODS and FRANK L. BARNUM, Detached Enlisted Men's List, U. S. Army.

CADET REGIMENTAL STAFF

EUGENE H. BEEBE, *Colonel, Commanding*
 CLIVE L. ADAMS, *Lieutenant Colonel, Executive Officer*
 WILLIAM V. JORNS, *Captain, Adjutant*
 W. J. PRICE, *Regimental Sergeant Major*
 A. E. GRIFFIN, *Staff Sergeant, Color Sergeant*
 C. D. TAYLOR, *Staff Sergeant, Color Sergeant*

FIRST BATTALION

STAFF: Major Phillip W. Cox, *Commanding*; Captain John H. Hill, *Adjutant*; Staff Sergeant G. L. Huber, *Sergeant Major*.

COMPANY "A": Captain John F. Stamm, *Commanding*; First Lieutenants, C. J. McCall, J. C. Glase, R. Bauer; Second Lieutenants, H. T. Andrews, A. D. Davis, P. C. Manning, P. H. Walker, A. Calvert, E. McAuley.

COMPANY "B": Captain Charles D. Diehl, *Commanding*; First Lieutenants, F. D. Bradbury, J. H. Levander, H. Canine; Second Lieutenants B. Sifton, J. F. Coonrad, M. M. Greeling, C. B. Collier, K. Jones.

COMPANY "C": Captain Emerson W. Platt, *Commanding*; First Lieutenants, C. H. Murray, C. A. Nelson; Second Lieutenants J. O'Brien, A. A. Pardue, D. Smith, E. E. Poulton, C. Aschenbrenner, W. M. Highley.

SECOND BATTALION

STAFF: Major Alden B. Hatch, *Commanding*; Captain Rei S. Townsend, *Adjutant*; Staff Sergeant J. F. Church, *Sergeant Major*.

COMPANY "D": *Captain* T. W. Galigher, *Commanding*; *Second Lieutenants* P. L. Rudy, S. D. Arnold, E. A. Berglund, R. G. Wright, E. L. Brown.

COMPANY "E": *Captain* David W. Cook, *Commanding*; *First Lieutenant* L. Miller; *Second Lieutenants* P. DuSault, R. Houston, E. Balkow, C. W. Goodwin, W. B. Stanley.

COMPANY "F": *Captain* Chester L. Justus, *Commanding*; *Second Lieutenants* J. A. Norell, E. C. Lawrence, W. L. Kayser, O. W. Hall, J. E. Sheehan.

THIRD BATTALION

STAFF: *Major* Hartley P. Kester, *Commanding*; *Captain* Edgar B. Hagan, *Adjutant*; *Staff Sergeant* W. Kershishnik, *Sergeant Major*.

COMPANY "G": *Captain* Charles A. Gregory, *Commanding*; *Second Lieutenants* B. Mercer, F. C. Miller, Arthur Cheyne, A. F. Kroll.

COMPANY "H": *Captain* Lawrence L. Peck, *Commanding*; *Second Lieutenants* James Lyle, F. B. Peterson, R. G. McGirr, C. T. Ricketts, J. McCown.

COMPANY "I": *Captain* Erval W. Johnson, *Commanding*; *Second Lieutenants* H. S. Riesbol, C. H. Larson, John E. Norman, Roy Plumlee, R. C. White.

The first of these is the fact that the
 British Empire is a vast and powerful
 one, and that it is the most powerful
 one in the world. It is the most powerful
 one in the world, and it is the most
 powerful one in the world. It is the most
 powerful one in the world, and it is the
 most powerful one in the world.

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The second of these is the fact that the
 British Empire is a vast and powerful
 one, and that it is the most powerful
 one in the world. It is the most powerful
 one in the world, and it is the most
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 powerful one in the world, and it is the
 most powerful one in the world.

PART VII
LIST OF STUDENTS
ENROLMENT SUMMARIES
INDEX

LIST OF STUDENTS

GRADUATE STUDENTS

NAME	PRESENT DEGREE	MAJOR DEPARTMENT	RESIDENCE
†Adams, Harold Wilson, B.Ph. 1917, Linfield College		Education	Elk River
Albertson, Herma Geneva, B.S. 1926, University of Idaho		Botany	Blackfoot
Allen, Esther, B.A. 1926, Pomona College		Psychology	La Jolla, Cal.
†Allen, Mabel McConnel, B.A. 1919, College of Idaho		Education	Boise
Anderson, Bernard Andrew, B.S.(For.) 1927, University of Washington		Wood Preservation	Seattle, Wn.
Anderson, Ivan Axel, B.S.(Agr.) 1926, University of Idaho		Bacteriology	Mountain Home
Barber, James Warren, B.S.(Agr.) 1920, University of Idaho		Agricultural Economics	Burley
*Beckwith, John Astchel, A.B. 1925, Gooding College		English	Kimberly
*Berry, Edward Clifford, B.A. 1923, Willamette University		Education	Post Falls
Bever, Wayne Melville, B.S.(Agr.) 1927, University of Idaho		Plant Pathology	Lewiston
Billington, Paul Shepard, B.A. 1927, University of Oregon		Chemistry	Reedsport, Ore.
Bjornstad, Eugene Gotfred, B.S. 1926, University of Minnesota		Forest Management	Moscow
*Boosinger, Augustus John, B.S.(Ed.) 1925, University of Idaho		Education	Moscow
†Booth, John Martin, B.S.(Agr.) 1917, University of Idaho		Education	Sandpoint
†Brenton, Dorothy Ellen, A.B. 1926, Whitworth College		Education	Spokane, Wn.
†Brigham, Boyd Lyscum, B.S.(Agr.) 1922, University of Idaho		Agricultural Education	Genesee
Buchanan, Jesse Everett, B.S.(C.E.) 1927, University of Idaho		Civil Engineering	Spokane, Wn.
*Carder, Dean Samuel, M.S.(Geol.) 1925, University of Idaho		Education	Palouse, Wn.
Carter, Ike Newton, M.S.(C.E.) 1927, University of Idaho			Dallas, Tex.
Collette, Elsie Jean, B.A. 1928, University of Idaho		English	Burley
*Cone, Charles Ernest, B.S. 1924, University of Idaho		Botany	Oakesdale, Wn.
Congleton, Eunice H. B.S.(Bus.) 1927, University of Idaho		Education	Burley
*Constable, John Heywood, M.A. 1925, University of Idaho			Gig Harbor, Wn.
Cornellson, Bernice May, B.S. 1921, University of Idaho			Moscow
†Correll, Theodore Harrison, B.S. 1927, University of Idaho		Psychology	Moscow
Darwin, Archibald Gilbert, B.S.(C.E.) 1927, University of Idaho		Civil Engineering	Moscow
Davis, John DeWitt, B.A. 1913, University of Idaho		Education	Moscow
Davidson, Harry Carter, M.A. 1926, University of Louisville		English	Moscow
*DeWitt, Ethel Humphrey, B.A. 1927, University of Idaho		English	Moscow
*Doane, Perle Sanford, B.A. 1920, Pasadena University		Education	Gooding
*Eaton, Ruth Viola, A.B. 1925, Gooding College		English	Wendell
Eckermann, Agnes Clara, B.S.(Ed.) 1926, University of Idaho		Education	Cottonwood
Edgar, Alfred Douglas, B.S.(Ag. Engr.) 1925, Kansas State Agricultural College		Agricultural Engineering	Moscow
Equals, Edward Walter, B.S.(Bus.) 1928, University of Idaho		Business	Payette
Fisher, Ernest Leroy, B.S.(Ed.) 1928, University of Idaho		Education	Moscow
Fitzgerald, Oren Aram, B.A. 1923, University of Idaho		English	Moscow
Floed, Frances Margaret, B.S. 1927, University of Washington		Zoology	Moscow
*Fowler, William Sherman, LL.B. 1924, University of Idaho		Economics	Wendell
*Fry, Hiram Durward, A.B. 1926, Gooding College		American History	Jerome
Gauss, Henry Fallenstein, M.E. 1918, Washington University			Moscow
*Gordon, Josephine Ruth, B.S.(Ed.) 1926, University of Idaho		Education	Clarkston, Wn.
Gregory, Ada Mary, B.S.(Ed.) 1928, University of Idaho		Education	Julietta
Hagman, Elmer Robert, B.S.(Ed.) 1927, University of Idaho		Psychology	Priest River
*Hansen, Josie Bernice, B.A. 1926, University of Idaho		History	Moscow
†Harris, William Lee, M.S. 1925, Iowa State College of Agriculture			Moscow
Havens, Glenn George, B.S. 1927, University of Idaho		Physics	Twin Falls
†Hawkes, Helen Sanford, B.A. 1914, College of Idaho		English	Caldwell
Hawkins, Ruth, B.A. 1925, University of Idaho		English	Emmett
*Hays, Arthur Homer, A.B. 1909, DePauw University		History	Boise
*Heitmeyer, Elza Alvin, B.A. 1923, University of Idaho		Education	Moscow
Helland, Leonard, B.S.(M.E.) 1919, University of Idaho		Mechanical Engineering	Moscow
Hickman, Cuthbert Wright, B.S.(Agr.) 1913, University of Missouri		Agricultural Chemistry	Moscow

*Resident in Summer School 1927

†Resident in Summer School 1927 and regular session 1927-1928.

- Hoffman, Henry Christian, B.S. (For.) 1928, University of Idaho, *Logging Engineering* Galesburg, Ill.
- *Holbrook, Elmer McKinley, B.S. (Agr.) 1925, University of Idaho *Education* Emmett
- Holm, Donald August, B.A. 1927, University of Michigan *Geology* Jamestown, N. Y.
- Howard, John Wilbur, B.S. (C.E.) 1924, University of Colorado *Civil Engineering* Moscow
- *Isaman, George Reynolds, B.S. (Agr.) 1915, University of Idaho *Education* Craigmont
- Kalinowski, Weldon, B.A. 1928, University of Idaho *Spanish* Moscow
- Keith, Mark Mariam, B.S. 1927, University of Idaho *Zoology* Moscow
- †Kimbrough, Vivian Hadley, B.S. (Ed.) 1924, University of Idaho *Botany* Caldwell
- Kurath, Ernst, B.S. 1924, University of Idaho *Chemistry* Moscow
- Largent, Mary D., B.A. 1922, University of Oregon *Zoology* Salem, Ore.
- Luscombe, Herbert George, B.A. 1926, Gooding College *Philosophy* Meridian
- *McAtee, Richard Hiram, B.S. (Ed.) 1927, University of Idaho *Psychology* Moscow
- *McCoy, Hazel Reed, B.A. 1913, Ohio University *History* Gooding
- *Maberly, Thomas Edward, B.S. (Agr.) 1922, Oregon Agricultural College *Dairy Husbandry* Caldwell
- Martin, Alonzo Wilbur, B.S. (Chem.E.) 1922, University of Idaho *Chemistry* Moscow
- *Martin, Louisa, B.S. (Ed.) 1925, University of Idaho *English* Moscow
- Mason, Edward Files, M.A. 1927, University of Idaho *English* Moscow
- Mechel, Walter Fredrick, B.S. (Min.) 1927, Case School of Applied Science *Metallurgy* Cleveland, O.
- Messenger, Loren Eliot, B.S. (Ed.) 1925, University of Idaho *Zoology* Moscow
- Messenger, Ruby Tuttle, B.A. 1924, University of Idaho *History* Moscow
- Michels, Charles A., M.S. 1912, University of Wisconsin *Agronomy* Moscow
- †Miller, Charles Stewart, B.A. 1923, College of Idaho *Education* Ontario, Ore.
- †Minger, Melissa Maude, B.S. (Ed.) 1926, University of Idaho *Education* Boise
- Mitchell, Pauline Howard, B.A. 1926, University of Idaho *French* Moscow
- Mortenson, Francis N., B.S. 1927, Brigham Young University *Dairy Husbandry* Ephraim, Utah
- †Nelson, David William, B.S. (Ed.) 1927, University of Idaho *Education* Moscow
- Nicholson, Charles Mathew, B.S. (Bus.) 1925, University of Minnesota *Business* Moscow
- *Nilson, Ella Viola, A.B. 1926, Gooding College *English* Wendell
- †Noel, Bertha, B.S. (Ed.) 1924, University of Idaho *European History* Twin Falls
- Nordby, Julius Edward, M.S. (Agr.) 1916, University of Illinois *Genetics* Moscow
- Norton, Vera Amy, M.S. 1925, University of Idaho *Zoology* Portland, Ore.
- Oliver, Roger Peterson, A.B. 1922, Augustana College *History* Moscow
- Otness, Clara, B.S. (Ed.) 1927, University of Idaho *Education* Moscow
- *Parish, Florence Russum, B.A. 1923, University of Idaho *English* Boise
- Patch, Vernon Tabor, B.S. (Agr.) 1925, University of Idaho *Dairy Husbandry* Payette
- *Peterson, Homer Leslie, B.S. (Ed.) 1926, University of Idaho *Education* Potlatch
- Pierce, Walter Howard, M.S. (Agr.) 1926, University of Idaho *Plant Pathology* Berger
- *Pollard, Cecil Proctor, B.A. 1923, College of Idaho *Zoology* Boise
- *Pollard, Louise McCormick, B.A. 1921, College of Idaho *Education* Boise
- †Prater, Vaughan Emerson, B.A. 1924, University of Idaho *Spanish* Boise
- *Preston, Elford Chilcote, Ph.B. 1897, Upper Iowa University *History* Caldwell
- *Price, Samuel Willard, B.S. (Ed.) 1927, University of Idaho *Education* Malad
- Raeder, J. Milford, M.S. 1920, Iowa State College of Agriculture *Economics* Moscow
- *Roberts, Warren Aldrich, B.A. 1924, Gooding College *Economics* Gooding
- Robertson, John Rolland, B.S. (Agr.) 1924, University of Idaho *Agricultural Education* Firth
- *Salisbury, Harold Albert, B.S. (Ed.) 1926, University of Idaho *Education* Meridian
- Schuldt, Lester Lorentz, B.A. 1925, University of Minnesota *English* Storm Lake, Ia.
- †Sessions, James Wyley, B.S. 1911, Utah Agricultural College *Philosophy* Moscow
- Sessions, Magdalen Funk, B.S. 1912, Utah Agricultural College *English* Moscow
- Severance, Clarabelle, B.S. (Ed.) 1926, University of Idaho *Education* Kimberly
- *Sherwin, George Harold, B.A. 1923, Monmouth College *Education* Weippe
- Shull, Wesley Earl, M.S. 1927, University of Idaho *Education* Ames, Ia.
- *Simpson, Merald Smith, A.B. 1924, Spokane University *Education* Moscow
- Smith, Eunice Winn, A.B. 1926, University of Southern California *Education* Moscow
- Smith, Walter Wayne, B.A. 1926, California Christian College *Education* Moscow
- Specht, Edward John, B.S. (E.E.) 1923, University of Idaho *Education* Priest River
- Stenger, Doris May, B.A. 1925, University of Idaho *Education* Moscow
- Stockdale, Stephen Warren, B.S. (Min.E.) 1926, University of Idaho *Metallurgy* Cassopolis, Mich.
- †Sturow, Emma Marie, University of California *German* Moscow
- *Summers, George Washington, Sc.B. 1912, Ottawa University *Education* Spirit Lake
- †Talbot, Mildred Waters, B.S. (H.Ec.) 1926, University of Idaho *Home Economics* Moscow
- *Terry, Ulmer Neal, A.B. 1920, Spokane University *Education* Nezperce
- *Thompson, Harry Daniel, A.B. 1910, Otterbein University *Education* Wendell

*Resident in Summer School 1927

†Resident in Summer School 1927 and regular session 1927-1928.

*Tolbert, Jerome Ernest, B.S. (Agr.) 1922, University of Idaho

Udell, Stewart Harvey, B.S. 1923, University of Utah	Plant Pathology	Elk River
*Vail, Lemi William, A.B. 1925, University of South Dakota	Geology	Lehi, Utah
Vesser, John Martin, B.S. (Agr.) 1925, University of Idaho	Economics	Moscow
Ware, James Voorhees, B.S. (Ed.) 1928, University of Idaho	Education	Coeur d'Alene
Wein, Mandell B., B.A. 1926, University of Idaho	Psychology	Moscow
Wiesehuegel, Erwin George, B.S. 1922, University of Michigan	Education	Spokane, Wn.
*Williams, Minerva Ricketts, B.S. (Ed.) 1927, University of Idaho	Forestry	Moscow
†Williams, Wayman John, B.S. (Ed.) 1927, University of Idaho	History	Moscow
*Wolff, Ruth Regina, B.A. 1925, University of Idaho	Education	Moscow
†Yeomans, Arthur James, B.A. 1927, Gooding College	Education	Genesee
		Gooding

TOTAL GRADUATE STUDENTS, 126

GRADUATE STUDENTS IN PARTIAL ENROLMENT

Allen, James Kenneth	Philosophy	White Bluffs, Wn.
Fitschen, Juanita	Spanish	Butte, Mont.
Gardner, Leonard Martenis	Education	Wardner

UNDERGRADUATE STUDENTS

SYMBOLS in the following lists are to be interpreted thus:

1. Freshman.	*Graduate student second semester.	g. Geology.
2. Sophomore (or first-year Law).	a. Bachelor of Arts.	h. Home Economics.
3. Junior (or second-year Law).	ag. Agriculture.	law. Law.
4. Senior (or third-year Law).	ar. Architecture.	m. Music.
	b. Business.	me. Mechanical Engineering.
	ce. Civil Engineering.	med. Pre-Medical.
	ch. Chemical Engineering.	met. Metallurgy.
	ed. Education.	min. Mining Engineering.
	ee. Electrical Engineering.	n. Pre-Nursing.
	f. Forestry.	s. Bachelor of Science.
		sp. Special.

Adair, Charles Roy, 3 ag	Payette	Anderson, Clarice Evelyn, 2 a	Moscow
Adams, Clive Linden, 4 b	Kimberly	Anderson, Clyde Christen, 3 ee	Moscow
Adams, Martha Marion, 2 ed	Nampa	Anderson, Clyde LeRoy, 3 ag	Idaho Falls
Adams, Mary Ellen, 1 h	Nampa	Anderson, David Alvin, 3 a	Moscow
Adams, Oscar Conway, 1 a	Spokane, Wn.	Anderson, Eva Arline, 2 a	Sandpoint
Adolph, Ruth Evelyn, 3 a	Pocatello	Anderson, Faridon James, 2 ed	Weiser
Adriansen, Edith, 3 a	Moscow	Anderson, Harold Talbott, 1 ee	Moscow
Agee, Eldon Henry, 1 a	Kamiah	Anderson, Harold Vernon, 3 ed	Moscow
Ailshie, Robert, 2 a	Coeur d'Alene	Anderson, Joel Grant, 1 ar	Moscow
Aitchison, Herbert William, 1 b	Spokane, Wn.	Anderson, Lawrence Russell, 1 ce	Potlatch
Akridge, Francis Marion, 1 ee	Nezperce	Anderson, Leroy W., 3 b	Pocatello
Albertsen, Floyd Eli, 2 min	Coeur d'Alene	Anderson, Lucille Elizabeth, 4 a	Spokane, Wn.
Allen, Carlos Matthew, 4 law	Moscow	Anderson, Torney Everett, 2 ag	Coeur d'Alene
Allen, Carol Fay, 1 med	Boise	Anderson, William Lewis, 3 ed	Malad
Allen, Edward Vern, 1 ed	Emmett	Anderton, Frances Elizabeth, 3 h	Moscow
Allen, Elmer Van Vliet, 1 ag	Challis	Andrews, Howard Thomas, 3 ed	Parma
Allen, Harold Wilson, 1 ed	Ontario, Cal.	Annis, Ruth Denney, 2 ed	St. Maries
Allen, James Kenneth, 4 ed	White Bluffs, Wn.	Archibald, Ray F., 1 b	Boise
Allen, Lulu Grace, 3 ed	Lewiston	Armour, Sue Compton, 4 ed	Moscow
Allen, Pollie La Rena, 1 ed	Malad	Armour, Tom William, 1 ed	Moscow
Alley, Virginia, 4 a	Lewiston	Arnold, Stanley Dean, 3 a	Prescott, Wn.
Allison, Lora Marie, 3 ed	Caldwell	Arntzen, Jeanette Bertine, 4 a	Moscow
Aman, Ora Lee, 3 ed	Filer	Arthurs, Aubrey James, 2 ed	Sandpoint
Ameling, Velma Leora, 3 ed	Moscow	Aschenbrener, Carl Edward, 3 ed	Lewiston
Ameling, Vera Larita, 3 ed	Moscow	Ashcraft, Raymond, 4 b	Moscow
Ames, Adaline Alberta, 3 h	Heyburn	Ashton, Stanley Edward, 2 a	Wilder
Ames, Edwin Wright, 4 ag	Heyburn	Ashworth, Edward Thorndike, 2 me	Payette
Ames, Gertrude Angeline, 4 h	Heyburn	Auger, Fred, 2 b	Winchester
Ames, Helen Violet, 3 ed	Sandpoint	Ault, Clement Henry, 2 ag	Moscow
Ames, Marguerite, 3 s	Boise	Aungst, William Donald, 4 ar	Bryan, O.
Ancheta, Rufino Crisistomo, 1 ee	Lavog Ilcos Norte, P. I.	Axtell, Donald Hervey, 2 f	Spokane, Wn.
Andersen, Helen, 2 ed	Moscow	Azcuenaga, Inez, 4 b	Boise
Anderson, Carl Robert, 1 b	Blanchard	Backlund, Hannah Sophia, 2 a	Mullan

*Resident in Summer School 1927

†Resident in Summer School 1927 and regular session 1927-1928.

- Bailey, Donald Sinnett, 3 ee. Boise
 Baird, Thomas Orville, 3 a. Moscow
 Baken, George Joseph, 1 b. Moscow
 Baker, Ella Pauline, 3 m. Boise
 Baker, Eva Mac, 2 ed. Coeur d'Alene
 Baker, Mary Catherine, 1 a. Spokane, Wn.
 Baker, Vernon Leroy, 1 b. Bonners Ferry
 Balch, Prentice Alford, 3 f. Spokane, Wn.
 Baldeck, Eugene Joseph, 1 med. Lewiston
 Balkow, Ernest Carl, 3 ee. Moscow
 Baldwin, Frank Raymond, 4 b. Twin Falls
 Ball, Leona Nessly, sp a. Moscow
 Ballard, Claud, 3 b. Gooding
 Bangs, Beulah Marie, 1 ed. Post Falls
 Banks, William Carr, sp a. Yakima, Wn.
 Barackman, Kinnard Banta, 2 ce. Moscow
 Barker, Craten William, 2 ag. Payette
 Barrett, Charles Havard, 1 b. Twin Falls
 Barrett, Kenneth Rafael, 2 ed. Pocatello
 Bartel, Arthur Theodore, 4 ag. Aberdeen
 Barth, Gladys Pearl, 2 a. Parma
 Bartholow, Gerald Haynes, 1 b. Lewiston
 Bartlett, Esther Marie, 1 h. Gifford
 Bateman, Leona Marjorie, 2 h. Moscow
 Bauer, Reuben, 3 ag. St. Anthony
 Bauer, Ruby Ellen, 2 h. Filer
 Bauman, Eugene Glenn, 2 b. Lewiston
 Baumgartner, Frederick, 3 ed. Genesee
 Bayley, Howard Wadham, 3 ch. Trail, B. C.
 Beadner, Sol Alfred, 1 med. Boise
 Beall, Leonard Ausman, 4 ed. Caldwell
 Beam, Katherine Elizabeth, 2 a. Meridian
 Beamer, Emma Eleanor, 4 a. Pocatello
 Beardmore, George Wolcott, 2 a. Priest River
 Bechtel, Bula Etta, 1 ed. Clarkia
 Becker, Margaret Claire, 2 a. Genesee
 Beckstrom, Eugene Louis, 2 g. Boise
 Beckwith, Samuel Collins, 1 f. Moscow
 Beebe, Eugene Harold, 4 me. Santa Barbara, Cal.
 Beeson, LaReta Beryl, 2 a. Buhl
 Beglan, Charles Mathew, 1 ed. Boise
 Belknap, Byron Burdette, 3 a. Lewiston
 Belknap, Meldon Clifford, 2 b. Farmington, Wn.
 Bell, Bessie Amelia, 4 a. Boise
 Bell, Clarence Watson, 1 m. Moscow
 Bell, Vinnie John, 1 b. Farmington, Wn.
 Bell, Robert Homer, 2 med. Moscow
 Belsher, Gregory Troupe, 3 ee. Boise
 Beman, Raber Alpha, 1 ed. Glendale, Cal.
 Benham, Harry Towner, 1 me. Sheridan, Wyo.
 Benham, Margaret Rebecca, 1 a. Sheridan, Wyo.
 Benner, Baneroft, 1 f. Bellevue
 Bennett, Carey Hall, 3 f. Ogden, Utah
 Bennett, Donald Homer, 4 b. Moscow
 Berg, Anna Laura, 1 h. Pocatello
 Berglund, Elmer Alfred, 3 b. Coeur d'Alene
 Bergman, Harriet Izetta, 1 b. Kellogg
 Berrey, Alfonso Grant, 3 ed. Montpelier
 Berry, Fred Coffin, 3 b. Elk River
 Berry, Vern E., 3 ed. Spirit Lake
 Bertholf, Robert Gilliam, 3 b. Boise
 Bessler, William Donald, 1 min. Klamath Falls, Ore.
 Beyer, Edwin Thiemann, 3 law. Boise
 Biggert, Mildred Ione, 2 h. Moscow
 Biker, John Bernal, 4 f. Nelson, B. C.
 Billows, John Wesley, 2 ar. Paul
 Bitner, William H., 4 met. Kellogg
 Bjork, Gustaf Emmanuel, 4 ce. Lewiston
 Bjornson, Bernice Thordis, 4 ed. Rupert
 Blackler, Myrton Wesley, 2 m. Nampa
 Blair, Wayne Forrest, 1 b. Boise
 Blank, Charlie Floyd, 3 ed. Latah, Wn.
 Blayden, Thelma LaFawn, 1 ed. Boise
 Blodgett, Earle Comstock, 3 ag. Boise
 Blom, Grace Elizabeth, 3 b. Helena, Mont.
 Bloom, Marjorie Ellis, 2 a. Spokane, Wn.
 Blore, Stephen Walter, 4 ee. Moscow
 Boardman, Thomas Greenleaf, 4 b. Mountain Home
 Bohman, Ruth Violet, 1 h. Troy
 Bohrer, Elinor Bernice, 1 ed. Weiser
 Boice, Wesley Albert, 2 ag. Blackfoot
 Booker, Frederick John, 1 ed. Glendale, Cal.
 Borden, Helen Melissa, 1 a. Millwood, Wn.
 Bosqui, Manuel Watson, 1 b. Kellogg
 Bosshardt, Veith Edward, 1 a. Parma
 Bovey, Franklin Wesley, 1 ed. Craigmont
 Bowdish, Avis, 4 s. Ashland, Ore.
 Bowen, Agnes, 4 a. Boise
 Bowen, Fern, 1 ed. Malad
 Bowen, Hal Dale, 4 ed. Idaho Falls
 Boyd, Paul Sheehan, 3 a. Buhl
 Boyer, William Harold, 3 s. Culesac
 Bradbury, Frederick Dewet, 4 min. Rathdrum
 Bradshaw, Douglas Bixby, 1 b. Payette
 Bradshaw, Edith, 1 ed. Payette
 Brady, Josephine Blanche, 2 ed. Oregon City, Ore.
 Braham, Louise Georgina, 2 ed. Kellogg
 Brainerd, Rex Charles, 4 b. Moscow
 Brandt, Andrew J., 3 ag. Nampa
 Brandt, William J., 1 f. Nampa
 Brashear, Florence May, 3 h. Post Falls
 Braxton, Ellen Adaline, 2 a. Boise
 Brewink, James Ladd, 4 ee. Lewiston
 Bridges, Roosevelt, 1 ag. Wenatchee, Wn.
 Brigham, Burnis Burton, 1 a. Moscow
 Brigham, Forest Lewis, 3 m. Moscow
 Brill, Jay James, 2 b. Wallace
 Brimhall, Maurice Christensen, 2 ed. Pocatello
 Brindley, Sara Frances, 1 a. Moscow
 Briscoe, Henry James, 3 ed. Cascade, Mont.
 Broadwater, Josephine Helen, 4 ed. Havre, Mont.
 Brock, Homer Clarence, 2 b. St. Maries
 Brooks, Jack Harvey, 1 ed. Hailey
 Brooks, LaVernon Marie, 2 ed. Kellogg
 Brooks, Roscoe Harris, 1 ed. Buhl
 Brosnan, Mary Helen, 1 a. Moscow
 Brossard, Edna Blanche, 3 a. Rigby
 Brossard, Stella Josephine, 4 a. Rigby
 Brown, Beatrice Janice, 1 ed. Buhl
 Brown, Beulah Elouise, 4 a. St. Maries
 Brown, Clifford Elzca, 3 ee. Ashton
 Brown, Eugene Lee, 1 med. Louisville, Ky.
 Brown, George Anne, 1 a. Kellogg
 Brown, Harold Gilson, 1 f. Port Townsend, Wn.
 Brown, Lloyd LeRoy, 1 ed. Rigby
 Brown, McDonald Ross, 4 ed. Reubens
 Brown, Norma Ruth, 2 ed. Ashton
 Brown, Otto Rossi, 2 met. Kellogg
 Brown, Pauline Hester, 4 a. Homedale
 Brown, Robert Eugene, 2 a. Arco
 Brown, Ruth Elizabeth, 2 ed. McCall
 Brown, William Garland, sp. b. Boise
 Bryan, Charles Scott, 1 ce. Idaho Falls
 Bryant, Vera Ellen, 1 ed. Orofino
 Buchanan, Thomas Stewart, 1 f. Morton, Wn.
 Buckingham, Alfred Egelston, 2 med. Kamiah
 Bucks, Dorothy Sims, 3 a. Pocatello

- Budrow, Delilah Margaret, 4 a. Bancroft
 Budrow, Genevieve Elizabeth, 3 a. Bancroft
 Bue, Lydia Sigrid, 1 a. Moscow
 Bue, Palmer Winslow, 2 ce. Moscow
 Bunch, William Herschel, sp. s. Moscow
 Bunker, Bruce Maxwell, 1 ee. Notus
 Burch, Raymond Francis, 1 ag. Oakley
 Burgher, Darwin Kilburn, 2 f. Rupert
 Burnett, Margery Florence, 1 a. Wallace
 Burns, Ann Scott, 1 a. Pocatello
 Burns, Gilbert Nelson, 1 ag. Coeur d'Alene
 Burns, John Wright, 1 a. Pocatello
 Burrall, Nellie Frances, 4 h. Ashton
 Burton, Cary Leslie, 2 f. Belleplaine, Kan.
 Burton, E. Wilma, 2 a. Emmett
 Burton, Lawrence Lynn, 1 min. Emmett
 Burton, Miriam, 3 m. Moscow
 Butler, Donald Howorth, 2 b. Lewiston
 Butler, James Frederick, 1 a. Lewiston
 Byrne, Eddie Patrick, 2 b. Richfield
 Cadigan, William Gosnald, 1 b. Spokane, Wn.
 Calhoun, Laura Eve, 2 a. Weippe
 Call, Thomas Osmond, 1 s. Boise
 Callaway, Cathryn Mary Asbill, 2 a. Caldwell
 Callaway, William Robert, 4 a. Kellogg
 Callender, Esther Malissa, 1 a. Boise
 Callender, Orley Newell, 2 med. Boise
 Calvert, J. Arnold, 2 b. Lewiston
 Campbell, Aileen Lois, 1 a. Sandpoint
 Campbell, Helen Verna, 4 a. Moscow
 Campbell, James Edwin, 3 med. Hailey
 Canine, Herbert Irving, 4 ed. Burley
 Cann, Fred Roderick, 3 b. Moscow
 Cannon, Lambert Edward, 3 b. Mountain Home
 Carey, Alice Mary, 1 s. Moscow
 Carey, Benjamin David, Jr., 3 a. Somerville, Mass.
 Carlberg, Fred August, 1 ed. Portland, Ore.
 Carlson, Edwin Jennings, 2 b. Moscow
 Carlson, Harold DeVere, 1 g. Wardner
 Carlson, Mildred Regina, 1 b. Moscow
 Carlson, William Oscar, 1 f. Winnetka, Ill.
 Carmel, Sister Mary, 4 a. Moscow
 Carney, Charles Eaton, 3 ch. Moscow
 Carney, Dorothy Priscilla, 1 a. Moscow
 Carney, Hayden Emerson, 2 ar. Moscow
 Carney, Helen Elizabeth, 2 s. Moscow
 Carpenter, Hubbell, 1 ee. Boise
 Carroll, Fred Clifton, 1 b. Weiser
 Carter, Carrell Neva, 4 ed. Moscow
 Carter, Howard Alvin, 2 b. Boise
 Castillo, Briccio Aguila, 1 ee. Batangas, Batanga, P. I.
 Caswell, Donnabel B., 1 s. Idaho City
 Chadburn, Mildred Evans, 4 ed. Malad
 Chandler, Vera Juanita, 2 a. Boise
 Chapman, Arthur Edward, 1 med. Idaho Falls
 Chapman, Emma Elizabeth, 1 a. Idaho Falls
 Chapman, Leland Leon, 4 ch. Blackfoot
 Chase, Verla Alice, 3 a. Grangeville
 Chassy, Beatrice Boris, 1 ed. Spokane, Wn.
 Chenoweth, Mary Elizabeth Anne, 1 a. Moscow
 Cheuvront, Edwin Cecil, 4 ed. Summit
 Cheyne, Arthur Clark, 3 ed. Mullan
 Cheyne, Ben Alexander, 1 b. Mullan
 Childers, James Marvin, 2 ag. Orofino
 Chisholm, Raymond Swayne, 3 ch. Burke
 Christen, Ruth, 4 ed. Rupert
 Christensen, Harriett Lorraine, 2 ed. Shelley
 Christenson, Carl James, 1 b. Sandpoint
 Christenson, Esther Jeanette, 3 ed. Moscow
 Christians, Jerome James, 2 b. Kellogg
 Christopher, Musetta Mary, 2 a. Palouse, Wn.
 Church, James Francis, 2 ag. New Plymouth
 Clapp, Charles Arthur, 2 a. Somerville, Mass.
 Clare, Herbert Cecil, 3 ch. Cambridge
 Clare, Mildred Colen, 1 h. Cambridge
 Clare, Pauline, 3 ed. Cambridge
 Clark, Herbert Strickland, 1 ee. Gooding
 Clark, Laura Alice, 2 m. Filer
 Clark, Mary Isabelle, 2 med. Twin Falls
 Clark, Verlyn Ellis, 3 ed. Soda Springs
 Clark, Vernon, 1 min. Picabo
 Clayville, Mildred Meda, 3 h. Paul
 Cleaver, Donald Louis, 4 b. Boise
 Clements, Ruth Helen, 1 ed. Hailey
 Clemmer, Francis Egbert, 2 a. Spokane, Wn.
 Click, Frank Wardin, 4 a. Lewiston
 Cline, Murtha Kent, 3 law. Springdale, Wn.
 Cochran, Allan Roscoe, 4 f. Moscow
 Coddington, Henry West, 2 b. Portland, Ore.
 Collado, Santiago Mejia, 1 me. Vilasis, Pangasinan, P. I.
 Cole, Josephine Elvada, 1 h. Coeur d'Alene
 Collette, Elsie Jean, 4 a. Burley
 Collier, Claire Barton, 2 law. Liberty Lake, Wn.
 Collins, Milford Edwin, 3 ee. Moscow
 Combes, Ruth Minnie, 4 ed. Greenacres, Wn.
 Compton, Raymond Jerome, 2 law. Potlatch
 Cone, James Frank, sp. s. Parma
 Connaughton, Charles Arthur, 4 f. Boise
 Connor, Lula Margaret, 2 ed. Boise
 Cook, David Warren, 4 a. Everett, Mass.
 Coon, Edward Albert, 2 ed. Boise
 Coonrad, Jacob Francis, 1 ar. Garden Valley
 Coons, Clifford Albert, 4 b. Sandpoint
 Cooper, Jack Howell, 1 med. Burley
 Cope, Madelyn Jordan, 1 a. Seattle, Wn.
 Corlett, Edward John, Jr., 1 b. Meridian
 Cornelison, Alton Beddall, 4 b. Moscow
 Cornelison, Meroe Esther, 4 h. Moscow
 Cornell, Virginia Harriet, 3 a. Pocatello
 Cornish, Warner Henry, 1 ee. Winchester
 Couchman, Harry Clinton, 1 b. St. Maries
 Coughlan, Harry W., 3 ar. Montpelier
 Coulter, Robert Oliver, 2 a. Cascade
 Courtney, Daniel Sherwood, 3 ag. Moscow
 Cowgill, Linn Duncan, 1 a. Spokane, Wn.
 Cowles, Vern Lawrence, 2 ee. Kellogg
 Cox, Evelyn Irene, 1 a. Kooskia
 Cox, Phillip Wendell, 4 a. Kellogg
 Cox, Willard, 3 b. Kendrick
 Craig, Catherine Virginia, 1 h. Avery
 Craig, Franklin Curtiss, 4 ce. Terreton
 Craig, Merrill Vivan, 1 ee. Moscow
 Craig, Victor Melvin, 4 b. Avery
 Crandall, John Sheridan, 1 min. Salmon
 Craner, William Richard, 2 ag. Burley
 Craven, Marylou, 2 ed. Boise
 Crawford, Walter Alexander, 2 ee. Boise
 Croft, Charles Wesley, 1 a. Moscow
 Crooks, James Edgar, 3 b. Boise
 Crooks, Robert Gordon, 1 b. Boise
 Cross, Edward George, 1 a. Ritzville, Wn.

- Cross, Virgil Stuart, 2 ag. Gooding
Crowley, Newel Squire, 1 a. Idaho Falls
Cruver, Charles Edward, 1 ee. Moscow
Culligan, Alice, 3 ed. Fernwood
Culp, Lynn Wallace, 1 a. Coeur d'Alene
Curtis, Lorin Weston, 4 ee. Emmett
Curtis, Richard Murtha, 2 med. Sandpoint
Cusick, Lorene Evelyn, 3 n. Burke
Dahlkey, Eugene George, 1 med. St. Maries
Dalton, Helen Irene, 2 n. Mullan
Daniels, Lorin, 1 b. Malad
Daniels, Ruth Agnes, 1 ed. Moscow
Danilson, Paul Andrew, 1 ee. Chewelah, Wn.
Daubert, Harry Eugene, 1 ed. Reubens
Davidson, Capitola Brown, 4 a. Moscow
Davis, Artemus Darius, 3 b. Burley
Davis, John Wesley, 4 med. Glens Ferry
Davis, Margaret Eloise, 2 a. Caldwell
Davis, Robert, 4 f. Moscow
Davison, Frank Howard, 2 a. Boise
Dawald, Arthur Leslie, 3 ed. Lewiston
Dawald, Lorenz Merton, 3 ed. Lapwai
Dawson, Grace Florence, 3 ed. Lewiston
Day, Anne Louise, 1 h. Spokane, Wn.
Deacon, Janet Hawley, 2 ed. Pocatello
Dean, Alfred Lyle, 3 ed. Moscow
Dean, Kenneth Franklyn, 4 ed. Dresden, N. Y.
Dean, Walter Judson, 3 a. Fremont, Neb.
Deane, Louis Taylor, 3 med. Moscow
d'Easum, Cedric Godfrey, 2 a. Coeur d'Alene
Deatherage, Corlyn Pinkney, 1 b. St. Anthony
Decker, Cleo Fern, 3 a. Kooskia
DeHart, John Baldwin, 1 ar. Blackfoot
DeHart, Lucille Waller, 1 a. Blackfoot
DeLashmutt, Dorothy, 1 h. Spokane, Wn.
Des Marais, Adrian, 1 a. New Bedford, Mass.
Devery, Frank Edward, 4 ed. Reubens
Devery, James Morris, 1 b. Reubens
Dewey, Corona Elizabeth, 2 a. Nampa
Dewey, Ray Melvin, 2 b. Moscow
Dewey, William Cornelius, Jr., 4 ed. Nampa
Dhillon, Hardit Singh, 2 b. Punjab, India
Dice, Carl Marion, 2 med. Pocatello
Dick, Marian Ellen, 4 b. Mountain Home
Dickinson, Margaret Wilson, 4 a. Hagerman
Dickson, Leigh Manchester, 1 ed. Harrison
Dicus, Fred Ellis, 2 ee. Genesee
Diederichsen, Leona Helen, 2 a. Payette
Diehl, Charles Christian, 3 ag. Filer
Diehl, Flora Viola, 1 h. Filer
Diehl, Samuel Gordon, 2 ed. Filer
Diethelm, Alfred Conrad, 1 b. Moscow
Diethelm, Lillian Eleanor, 3 h. Moscow
Dillon, Bessie, 3 h. Sinclair
Disney, Dwight Rockwell, 4 law. Rupert
Dittman, Clarence Paul, 1 f. Aurora, Ill.
Dodd, Jack Bruce, 1 f. Spokane, Wn.
Dolan, Paul Gerald, 1 a. Spirit Lake
Dominguez, Hilario Velasquez, 2 f. Lapay Pocos Sur, P. I.
Donnelly, George Martin, 3 ee. Rockland
Doolittle, Louene Adora, 1 b. Vale, Ore.
Doores, Esther, 1 a. Boise
Dorsey, Walter Allen, 3 ed. Moscow
Dotson, Charles Crawford, 1 me. New Plymouth
Doty, Harold George, 1 ee. Moscow
Douglas, Edward Leonard, 1 b. St. Maries
Douglas, Helen Dorothea, 1 h. St. Maries
Doyle, Clarence James, 1 ed. Genesee
Drager, Frederick Eugene, 1 ee. Bellevue
Drager, Marjorie, 4 a. Bellevue
Driscoll, Elizabeth Agnes, 2 a. Moscow
Driskill, Vernon, 1 ee. Moscow
Drummond, Harold, 2 a. Kellogg
Drummond, Robert, 2 ed. Kellogg
DuBois, Grace Hardie, 3 ed. Moscow
Duffy, Hugh Joseph, 1 ar. Jerome
Duke, Alma Earl, 4 ag. Burley
Dumvill, Marion Willie, 2 ed. Idaho Falls
Dumvill, Paul Solomon, 2 b. Idaho Falls
Duncan, Elva Kathryn, 1 a. Sheridan, Wyo.
Duncan, Loren Gano, 2 b. Wallace
Dunlap, Louise Irby, 2 a. Craigmont
Dunn, Elizabeth Lay, 3 a. Wallace
Dunn, James Thomas, 2 a. Boise
Durbin, Forrest William, 4 b. Troy
DuSault, Philemon Edward, 3 ar. Moscow
Dyer, Geneva, 1 a. Walla Walla, Wn.
Eakin, Zaida Leila, 1 ed. Moscow
Earhart, Lynden Leonard, 1 ed. Riverside, Cal.
Easley, Howard, sp. s. Moscow
Easter, Katie Bell, sp. m. Cabinet
Eastman, Elizabeth Mary, 2 ed. Boise
Eastman, Virgil Herman, 1 f. Nampa
Eaton, Frances Lucile, 4 ed. Emmett
Eaton, John Murray, 1 ed. Emmett
Eddy, Robert Franklin, 1 a. Lewiston
Edmiston, Vivian Virginia, 1 s. Spokane, Wn.
Edmiston, Susanna Jean, 1 s. Spokane, Wn.
Edwards, Elinor Blythe, 2 ed. Hazelton
Edwards, Georgia Alberta, 1 a. Nampa
Egbers, Frank Bordwell, 2 a. Coeur d'Alene
Egbert, Kenneth Madden, 1 b. Meridian
Egurrola, Jess, 2 b. Boise
Ehrhardt, John Chase, 2 b. Lewiston
Eklund, Edith Mildred, 3 ed. Burley
Eklund, Lennart Norman, 1 ee. Burley
Elder, Constance Elizabeth, 4 a. Coeur d'Alene
Eldredge, Kenneth, 1 ag. Carey
Eldridge, Alva Ruth, 3 a. Boise
Elliott, Edith D., 4 h. Moscow
Elliott, Robert George, 4 ee. Moscow
Ellis, Burton French, 3 law. Monida, Mont.
Ellis, Ellwood Arnold, 1 ed. Rossland, B. C.
Ellis, Francis Gordon, 4 f. Idaho Falls
Ellis, Grace Miriam, 1 m. Waterville, Wn.
Ellis, James Nicholas, 2 ar. Boise
Ellsworth, Willard Fisher, 4 b. Oakland, Calif.
Emahiser, Evelyn Marie, 2 ed. Lewiston
Emerson, James Calvin, 4 ed. Moscow
Ennis, Richard Cecil, 1 b. Nampa
Ensign, Arthur Willis, Jr., 3 b. Hailey
Ensign, William Warren, 1 f. Howarden, Iowa
Equals, Edward Walter, 4 b. Payette
Erickson, Irene, 2 ed. Longview, Wn.
Espe, Oliver William, 2 ag. Spokane, Wn.
Estes, Murray, 1 ed. Moscow
Eubanks, Alva Otto, 3 ed. Nampa
Evans, Myrthus W., 2 ag. Malad
Evans, Rhoda Louise, 2 a. Downey
Ewing, John Dumas, 3 a. Pocatello
Fagerlund, Gunner Odwin, 1 f. Rolla, N. D.
Fagerstedt, Mary Maxine, 1 a. Weiser

- Fanazick, Joseph William, 1 med
Endicott, Wn.
- Fanning, Ruth Jean, 2 h Moscow
Fannon, Jesse Dixon, 1 a Genesee
Farmer, Merl Lee, 2 s Bliss
Farmin, Ted Clark, 1 a Sandpoint
Farrell, William Stedman, 1 a Boise
Farrelly, Bertram Charles, 2 b Latah, Wn.
Fattu, Nicholas Albert, 1 ed Kellogg
Felten, William Paul, 1 ed Glendale, Cal.
Feltis, Carol Ruth, 1 a Mead, Wn.
Feltis, Hugh McCabe, 4 b Mead, Wn.
Ficke, Harold Carl, 2 ed Payette
Ficke, Herman, 2 f Payette
Fifer, Ivan Thomas, 2 med Parma
Fiscus, Howard Morgan, 1 ag Potlatch
Fisher, Clifford Leroy, 2 b Reubens
Fisher, Douglas William, 2 b Moscow
Fisher, Ernest Leroy, 4 ed Moscow
Fisher, George Morris, 2 f Coolin
Fisher, Mary Frances, 4 a Weiser
Fisher, Robert Arthur, 1 met Porthill
Fisher, Ruth Theadora, 1 a Weiser
Fitch, Harry N., sp. ag Shelley
Fitschen, Juanita, 4 a Boise
Flack, Damon Milton, 2 med Meridian
Flack, Gordon Lester, 3 ed Spokane, Wn.
Fleming, Bernard Paul, 2 b Burke
Fleming, Laurence Francis, 1 b Burke
Fleming, Marion Daniel, 2 s Boise
Fletcher, Elliot, 3 b Richfield
Folden, Edwin James, 1 b Sandpoint
Folden, Helen Marie, 1 h Sandpoint
Foley, Madeline Eleanore, 3 a Bonners Ferry
- Forbis, Vera Ruth, 1 a Troy
Ford, Margaret Helen, 1 a Pocatello
Ford, Marjorie Phyllis, 2 b Wendell
Foreman, Ava Ithene, 2 ed Kamiah
Foss, David Franklin, 1 ed Preston
Foss, Edward, 2 b Gifford
Fouch, Doris Evelyn, 3 n Parma
Fowler, Charles Henry, 1 b Idaho Falls
Fowler, Leroy Chestney, 2 a Wendell
Fowler, Margaret Louise, 2 a Idaho Falls
Fox, Charles Edward, 4 f Utica, N. Y.
Fox, Dorothy Gorrie, 2 s Moscow
Fox, Margaret Mary, 4 a Moscow
Frahm, Aubert Lorn, 2 b Hansen
Fraley, Marvella Elizabeth, 1 ed Coeur d'Alene
- Francisco, Emiliano Alonzo, 1 b Laoag Ilocos Norte, P. I.
Francone, Flora Rose, 1 b Nampa
Frazier, Leonard, 3 ed Culdesac
Frederic, Wilbur Hahn, 4 s Coeur d'Alene
Frederickson, Lucille May, 2 a Lewiston
Frederickson, Dorothy Mary, 2 a Malad
Freeman, LeRoy Esten, 4 a Meadows
Frei, Violet Lucile, 1 med Moscow
Friedman, Beatrice Louise, 2 a Moscow
Friedman, Bernice Mary, 2 a Moscow
Frisch, Lawrence Vaughan, 1 f Lewiston
Fritchman, Holt, 2 f Naches, Wn.
Frizzelle, Merle Edwin, 1 ed Eagle
Frost, Irving Candie, 1 ch Moscow
Frost, Wayne Purser, 1 b Caldwell
Fry, Arthur Esher, 1 ed Bonners Ferry
Fuller, George Lester, 1 f Ilion, N. Y.
Fuller, Melvin Francis, 3 med Moscow
Fulton, Richard Wood, 2 b Coeur d'Alene
Funke, Alfred John, 3 ag Cottonwood
Gale, Clair Edward, 3 b Bonners Ferry
Gale, William Paul, 2 b Bonners Ferry
Galigher, Thomas William, Jr., 1 me Boise
- Gallet, Frances Marian, 2 a Boise
Galloway, Eleanor Lake, 3 b Weiser
Galloway, Mary Frances, 3 a Weiser
Gardner, Leonard Martenis, 4 ed Wardner
Garlinghouse, Gerald Gilbert, 3 b Lewiston
Garmo, George Albert, 3 f Bellingham, Wn.
- Garner, Orville Fredrick, 2 a Hayden Lake
Garnett, Maude Estelle, 3 m Enid, Okla.
Garnette, Kathleen Gene, 2 a Lewiston
Garrett, Nora Opal, 1 ed Spokane, Wn.
Garver, Ruth Frances, 1 b Boise
Gaskins, Harry Arthur, 1 ee Montpelier
Gauksheim, Olaf Carl, 1 ed Nezperce
Gault, Harry Stewart, 3 ag Buhl
Geddes, Elsie Margaret, 1 b Weiser
Geddes, Norma, 3 a Winchester
Geddes, Zola, 3 a Winchester
Geesey, Theodore Newton, 2 ag American Falls
- Gehrke, Gerald Milton, 4 ag Moscow
Geisendorfer, Marifrances, 2 a Lewiston
Gibson, Dawn Irene, 1 ed Lewiston
Giffen, Olive Marjorie, 1 b Moscow
Giles, Edith Rebecca, 4 ed Craigmont
Gillespie, Kenneth Russell Miller, 1 a Rexburg
- Gillespie, Mary Carolyn, 1 ed Veradale, Wn.
Gillespie, Richard Conroy, 1 a Monida, Mont.
- Gillett, Lois Alyda, 1 ed Moscow
Gillette, Gayle Iva, 4 h Moscow
Gillette, Lee Randolph, Jr., 1 a Wenatchee, Wn.
- Gimble, Germaine Jean, 3 a De Smet
Gittens, Horace Leigh, 3 a Pocatello
Glase, John Cahoon, 2 b Boise
Glindeman, Lucile Harriet, 2 ed Coeur d'Alene
- Gnaedinger, Margaret Lavina, 3 n Wallace
Gochenour, Warren David, Jr., 1 b Wallace
Goldsmith, Maryvina, 3 a Idaho Falls
Gooch, Dorothy Caroline, 1 a Clarkston, Wn.
- Goodwin, Cardinal Wayne, 2 f Piedmont, Cal.
Gooding, Mary Janet, 1 ed Weiser
Gord, Edna Nina, 3 ed Troy
Gorecki, George Anthony, 3 ch Coeur d'Alene
- Gorman, Warren Arthur, 2 ed Spokane, Wn.
Gorton, William Winfield, 2 b New Plymouth
- Goss, Dale Marvin, 1 a Kellogg
Goudzward, Donald Martin, 3 ed Moscow
Goudzward, Herbert, 2 b Moscow
Gould, George Lester, 4 b Council
Gowen, Paul R., 2 me Caldwell
Grabner, Floren Alden, 3 ed New Plymouth
- Grammer, Betty Maude, 2 a Huston
Grant, Virginia Lucille, 4 a Seattle, Wn.
Gray, Henry Holman, 2 b Twin Falls
Gray, Murrel Elbert, 1 ed New Plymouth
Gray, Ruth Meriam, 2 a Caldwell
Graybill, Charles Lillard, 1 a Nampa
Greeling, Merritt Monroe, Jr., 3 ed Nyssa, Ore.
- Green, Irene Vemiell, 2 h Moscow
Green, Jennie A., 4 ed Farmington, Wn.
Green, Marguerite Vera, 3 s Troy
Greene, George Wise, 4 ed Culdesac
Greenway, Elynor Jean, 2 ed Spokane, Wn.

- Gregory, Ada Mary, 4 ed. Juliaetta
 Gregory, Charles Arthur, 4 f. Chicago, Ill.
 Gregory, Gladys Fae, 4 ed. Moscow
 Grieser, Theodore Joe, 3 ee. Moscow
 Griffin, Arthur Edgar, 1 min. Spirit Lake
 Griffith, Clarence James, Jr., 4 b. Burley
 Griffith, Glynn Kinnie, 2 b. Burley
 Griffith, Gwendolyn, 3 h. Burley
 Griffith, LeVern Morten, 1 ee. Plummer
 Grimm, Gerald, 1 a. Boise
 Grinsfelder, Henry, 2 ch. Spokane, Wn.
 Gross, Clinton William, 1 b. Anacortes, Wn.
 Grove, Ethel Marcella, 1 a. Troy
 Guernsey, William Gano, 4 f. Moscow
 Gunderson, Shirley May, 3 ed. Huntington, Ore.
 Gunnerson, Luella Ethel, 1 ed. Troy
 Guske, William Henry, 2 ed. Moscow
 Gustafson, Ardie Gustof, 1 ag. Moscow
 Gustafson, Evon Herbert, 2 ed. Kellogg
 Guthrie, Isabel Fynette, 1 a. Emmett
 Haddock, Frances Lucile, 2 m. Shoshone
 Haecker, Alma Ethel, 2 ed. Hope
 Haga, Margaret Virginia, 3 h. Boise
 Hagan, Edgar Bernard, 3 ce. Brooklyn, N. Y.
 Hagan, Ralph Milton, 1 ee. Brooklyn, N. Y.
 Hagen, Cecil, 2 b. Spokane, Wn.
 Hagman, Irvin Saunders, sp. ed. Priest River
 Hague, Walter Bruce, 3 b. Wardner
 Haley, Ann Jane, 2 s. Idaho Falls
 Hall, Blanch Idaho, 3 h. Eagle
 Hall, Dorothy Helen, 2 a. Spokane, Wn.
 Hall, Georgia Almorine, 3 a. Pocatello
 Hall, Howell Turner, 3 ed. Coeur d'Alene
 Hall, Jess Lee, 2 a. Coeur d'Alene
 Hall, Mary Beryl, 2 ed. Moscow
 Hall, Oliver William, 2 ee. Moscow
 Hall, Ray Addison, 3 b. Lewiston
 Hall, Raymond Orland, 1 ed. Steptoe
 Hall, Russell Charles, 1 s. Filer
 Hamilton, Harold Samuel, 2 a. Nampa
 Hamilton, John Brindley, 4 a. Nampa
 Hamilton, Kenneth Veloy, 1 f. Sugar City
 Hamilton, Ralph Dyer, 4 me. Kamiah
 Hanford, Russell Bratton, 4 med. Boise
 Hankins, Lawrence Donald, 1 ce. Coeur d'Alene
 Hanley, Anna Teresa, 3 b. Cottonwood
 Hanna, Kathryn Margaret, 3 a. Tensed
 Hansen, Henry Paul, 2 f. La Crosse, Wis.
 Hansen, Russell Clifford, 1 ed. Anacortes, Wn.
 Hanson, Catherine Rowene, 2 s. Grangeville
 Hanzel, Clarence Frank, 2 ed. Burley
 Hardin, Beatrice Julia, 1 ed. Boise
 Harding, Alice Elizabeth, 3 h. Nezperce
 Harding, Vera Lucile, 2 ed. Nezperce
 Hardwick, Mac T., 2 ce. Jerome
 Hargrove, James Clifton, 1 b. Weiser
 Hargus, Helen Louise, 3 ed. Anaheim, Cal.
 Harland, Josephine Amy, 3 a. Troy
 Harman, Carey Chris, 2 ag. Moscow
 Harman, Leonard Franklin, 3 me. Boise
 Harris, Byron Eldred, 4 b. Kamiah
 Harris, Raymond Kenoyer, 2 ed. Potlatch
 Harrison, John Louis, 3 b. Coeur d'Alene
 Hartling, Jack Park, 1 ee. Bonners Ferry
 Hasse, Raymond Lewis, 1 ee. Rathdrum
 Hatch, Alden Bruce, 4 f. Sparta, N. J.
 Hatch, Ernest, 2 ee. Weiser
 Hatfield, Eldon Franklin, 1 a. Nampa
 Hatmaker, Sam, 1 a. Jerome
 Hauck, Bertha Louise, 1 a. Moscow
 Hauck, Gordon Walter, 1 me. Moscow
 Haug, Gordon William, 2 ag. Kelowna, B. C.
 Hauger, Fred Edward, 2 b. Grangeville
 Haugse, Myrtle Gertrude, 2 b. Sandpoint
 Hausen, Charles Bradstreet, 4 min. Kellogg
 Hausen, Christina Knudson, sp. ed. Kellogg
 Hausen, Mildred Evelyn, 2 b. Rupert
 Haut, Irvin Charles, 4 ag. Mitchell, S. D.
 Hawe, Floyd Francis, 1 a. Boise
 Hawe, Robert Glen, 2 g. Drummond, Mont.
 Hawkins, James Wesley, 2 med. Coeur d'Alene
 Hawkins, Janet Adena, 4 s. Emmett
 Hawkins, William Stark, 1 a. Coeur d'Alene
 Hayes, Teresa Sullivan, 3 a. Moscow
 Hays, Glen LaValley, 1 ed. St. Maries
 Hayward, Doyle Edson, 4 ee. Southwick
 Hayward, Harold Louis, 4 g. Idaho Falls
 Headrick, Garland, 2 ed. Moscow
 Heath, Bertrand E., 3 b. Moscow
 Heath, Charles Worth, 1 b. Rigby
 Heckathorn, John Henry, 2 ce. Moscow
 Heimsoth, Helen Harriet, 2 s. Council
 Hejtmank, Lillian Bessie, 1 ed. Buhl
 Helfert, Jessie, 3 m. Moscow
 Hennen, Max Leo, 3 b. Moscow
 Hennen, Waldo Gerhart, 1 b. Moscow
 Henry, Ada Fern, 1 a. Idaho Falls
 Hensley, Kenneth Robert, 1 ed. Cottonwood
 Hephner, William Stanley, 1 f. Boswell, B. C.
 Herndon, John Charles, 1 a. Salmon
 Hewes, John Alden, sp. ce. San Francisco, Cal.
 Hickey, Alis Mayo, 1 a. Nampa
 Higgins, James Joseph, 1 med. Anaconda, Mont.
 Higgs, De Witt A., 1 a. Council
 Higley, Warren Milford, 2 b. Twin Falls
 Hill, Edward Brenneisen, 1 f. Dubois, Wyo.
 Hill, Edwin Casper, 2 b. Ashton
 Hill, John Logan, 4 ed. Kimberley
 Hill, Ralph Dan, 1 ce. Spirit Lake
 Hilton, Aileen, 2 b. Yakima, Wn.
 Hirschman, Dorothy Elizabeth, 3 ed. Ashton
 Hjort, George Vincent, 3 f. Kooskia
 Hoback, Ford Sebert, 1 ed. Post Falls
 Hobek, Eugene Emmil, 1 ag. Ontario, Canada
 Hockaday, Edna Pauline, 2 a. Rupert
 Hockaday, James Morrison, 2 f. Rupert
 Hodgson, Edward Russell, 1 med. Spokane, Wn.
 Hodson, Boyd W., 3 ed. Blackfoot
 Hoffman, Henry Christian, 4 f. Galesburg, Ill.
 Hogg, Robert Albert, 2 ce. Payette
 Hogue, Denney Robert, 2 b. Payette
 Hogue, Wilbur Owings, 1 a. Burley
 Hoisington, Carl Wallace, sp. ed. Moscow
 Holden, Robert Sponsler, 2 b. Boise
 Hollada, Artylee, 2 ed. Moscow
 Hollister, Richard Frederick, 2 med. Idaho Falls
 Holman, Royal Wiley, 2 b. Moscow
 Holmes, Alvin Carl, 3 ee. Rupert
 Holmes, Clarence Raymond, 4 ch. Nampa
 Holmes, Stell Carpenter, 2 a. Payette
 Holmquist, Ray Jennings, 1 s. Amsterdam
 Homling, Roland Emanuel, 2 ag. Buhl
 Honeywell, Alene, 4 a. Orofino
 Honeywell, Jesse McFarland, 2 ed. Orofino

- Horney, Mabel Marie, 2 ed. Moscow
 Houk, Ray Alexander, 1 ed. Coeur d'Alene
 Houlton, Lyman Smith, 2 ar. Moscow
 Houmann, Oscar Brunn, 3 b. Boise
 Houston, Robert Williamson, 3 b. Gooding
 Houtchens, Harold Max, 1 b. Waitsburg, Wn.
 Hove, Einar, 1 a. Kellogg
 Hove, Inger, 3 a. Moscow
 Howard, Forrest Hayden, 3 med. Pocatello
 Howard, Rex Pomeroy, 2 b. Pocatello
 Howe, Helen Mary, 1 a. Moscow
 Howe, Lucile Caroline, 3 ed. Moscow
 Howe, Lowell LaGrave, 3 ed. Moscow
 Howe, Orville LaGrave, 2 ed. Moscow
 Howell, Ward Kenneth, 2 ed. Moscow
 Howerton, Dorothy, 4 h. Jerome
 Howerton, Miriam, 3 a. Jerome
 Hoyer, Doris Kathryn, 1 ed. Boise
 Hubbard, John Maitland, 2 ed. Dayton, Wn.
 Huber, George Losie, 2 a. Kellogg
 Hudelson, Vernon Lee, 3 ed. Cambridge
 Huff, Oliver Theodore, 1 med. Lapwai
 Huggins, Charles Lyman, 1 ed. Rupert
 Hughes, Ethel Helen, 1 ed. Bellevue
 Hughes, John Everett, 3 a. Roseberry
 Hughes, LeRoy Jesse, 1 ed. Bellevue
 Hughes, Loren La Verne, 3 ed. Bellevue
 Hughes, Olive Louise, 1 a. Gooding
 Hulburd, Virginia Lee, 4 ed. Spokane, Wn.
 Hull, Clyde Cozette, 1 ed. Lewiston
 Hult, Orville, Leroy, 2 ed. Burley
 Hume, John Fred, Jr., 3 f. Nelson, B. C.
 Humiston, Julian Gray, 1 s. Potlatch
 Humphrey, Elmer Newton, 1 ag. Moscow
 Humphrey, Thomas Watson, 3 s. Twin Falls
 Humphreys, Josephine Elizabeth, 2 b. Moscow
 Hunt, Donnell Hodge, 1 s. Colfax, Wn.
 Hunt, Ernest Frank, 2 med. Meridian
 Hunter, Daniel Jackson, 1 b. Rupert
 Hunter, Helen Hammo, 4 h. Moscow
 Hunter, Julia Glenn, 1 a. Moscow
 Hunter, Rosel Hyrum, 1 ag. Oakley
 Huntley, Helen Maurine, 2 ed. Endicott, Wn.
 Hurley, Lucy Frances, 3 h. Montpelier
 Huston, Edith Rosina, 4 ed. Mullan
 Huston, Richard Phillips, 1 met. Mullan
 Hutchings, Samuel Cole, 3 ar. Lewiston
 Hutchinson, Donald Wilson, 1 a. St. Maries
 Hutchinson, James Carl, 4 med. Chewelah, Wn.
 Hutchinson, Paul Vernon, 2 med. Chewelah, Wn.
 Illichevsky, George J., 3 f. Moscow
 Ingle, Dwight Joyce, 3 ed. Kendrick
 Iorns, William Vaughn, 3 ce. Glenns Ferry
 Jackson, Alfred Wright, 2 ag. Rupert
 Jackson, Elinor Cameron, 1 a. Spirit Lake
 Jacobs, Fred Albert, 3 s. Santa Barbara, Cal.
 Jacobs, Harold John, 1 ed. Uniontown, Wn.
 Jacobsen, Noland Adolph, 1 ag. Payette
 Jacoby, Glenn James, 4 a. Bonners Ferry
 Jacoby, Lee Roy, 1 b. Dubois
 Jain, Lela Grace, 3 a. Genesee
 James, Edward Evans, 1 ag. Malad
 James, Wallace Hubble, 2 ee. Bonners Ferry
 Janssen, Allen Sheeley, 3 ar. Boise
 Jarboe, Edward William, 1 b. Pocatello
 Jemison, George Meredith, 2 f. Spokane, Wn.
 Jenkins, Lariel, 3 b. Twin Falls
 Jenks, Clarence Emmett, 4 a. Dent
 Jenks, Rachel Elizabeth, 2 m. Lewiston
 Jennings, Farnsworth Leroy, 4 a. Craigmont
 Jennings, William Sinclair, 1 ed. Craigmont
 Jensen, Helen May, 4 h. Rupert
 Jensen, Theodore John, 2 ed. Blackfoot
 Jessup, Marie Josephine, 1 a. Moscow
 Johnson, Alma Faye, 1 ed. Moscow
 Johnson, Amne Berthe, 2 a. Pocatello
 Johnson, Carl Edgar, 1 med. Spokane, Wn.
 Johnson, Chester Gleyenn, 2 met. Boise
 Johnson, Edith Lucile, 2 s. Post Falls
 Johnson, Elmer Hans, 1 ed. Harvard
 Johnson, Erval William, 4 ee. Longview, Wn.
 Johnson, Fay Theodore, 1 me. Moscow
 Johnson, Fred Maxwell, 3 ee. Moscow
 Johnson, George William, 2 ag. Coeur d'Alene
 Johnson, Glen, 4 a. Kellogg
 Johnson, John Oliver, 1 b. Coeur d'Alene
 Johnson, Laree, 4 a. Coeur d'Alene
 Johnson, Lyna Helen, 3 ed. Hagerman
 Johnson, Margarette Lucile, 1 a. Nezperce
 Johnson, Moses Melville, 3 min. Council
 Johnson, Norman Edwin, 4 ed. Sandpoint
 Johnson, Raymond Malcolm, 2 ed. Troy
 Johnson, Robert Bailey, 1 f. Moscow
 Johnson, Samuel Lee, 1 b. Hagerman
 Johnson, Wendell Alden, 1 med. Spokane, Wn.
 Johnson, Wilfred V., 4 s. Pocatello
 Johnston, Ruth Vivienne, 3 m. Moscow
 Jones, Ada, 2 ed. Malad
 Jones, Estelle Anne, 2 ed. Boise
 Jones, Esther Katherine, 2 m. Spokane, Wn.
 Jones, George Andrew, 3 ed. Magill
 Jones, Harry Edward, 3 b. Spokane, Wn.
 Jones, Harvey Anderson, 1 ed. Homedale
 Jones, Jean Marie, 1 ed. Moscow
 Jones, John Richard, 4 a. Moscow
 Jones, Kenneth Ray, 3 ee. Blackfoot
 Jones, Kenneth Paul, 2 ed. Emmett
 Jones, Neil MacDonald, 3 b. Moscow
 Jones, Leroy, 3 b. Malad
 Jones, Tracy D., 1 ed. Carmen
 Joslin, Florence Alma, 4 a. Idaho Falls
 Jouno, Russell John, 2 ag. Coeur d'Alene
 Judy, Frank Edward, 2 ed. Lewiston
 Justus, Chester Lee, 4 ee. Harrison
 Justice, George Edwards, 3 ed. Lewiston
 Kail, Clara Eleanor, 4 m. Twin Falls
 Kantola, Edward Emlin, 2 ag. Arling
 Kayler, Dean Clayton, 2 a. Winchester
 Kayser, Wilburn Lewis, 3 ag. Palouse, Wn.
 Keegan, Margaret Elizabeth, 1 n. Burke
 Keene, Edward Louis, 3 f. Providence, R. I.
 Keiffer, George Martin, 1 b. Wheatland, Cal.
 Keith, James Frank, 4 a. Melba
 Keller, Flora, 1 b. Spokane, Wn.
 Kellberg, Theodore Roosevelt, 3 ee. Troy
 Kelley, Homer Everett, 1 ee. Emmett
 Kelley, Ray Hansen, 1 b. Rexburg
 Kelly, Alice Rosemary, 3 h. Spokane, Wn.
 Kelly, Thomas Gilbert, 4 b. Coeur d'Alene
 Kennedy, Fred Henry, 3 f. Dubois
 Kennedy, Howard Ross, 1 f. Fresno, Cal.
 Kennedy, Joe Samuel, 1 b. Meridian
 Kennedy, John Robert, 3 b. Mullan
 Kennedy, Lois Gordon, 2 a. Chicago, Ill.

- Kent, Rupert Idaho, 1 ee. Boise
 Kenworthy, Kenneth Paul, 2 ee. Twin Falls
 Kerby, Fred Melvin, 1 f. Cascade
 Kerns, Marion J., 3 med. Malad
 Kerr, Helen Josephine, 2 a. Moscow
 Kershaw, Gordon Kohler, 2 ed. Medford, Ore.
 Kerhsnik, William Louis, 2 ed. Burley
 Kester, Hartley Palmer, 4 a. Lewiston
 Ketchen, Aleck Petrie, 2 b. Boise
 Keyser, Joseph Edward, 1 b. Meridian
 Kienholz, Dorothy Mildred, 2 b. Moscow
 Killoren, Clair John, 4 a. Portland, Ore.
 Kimball, Stuart Fairchild, 1 b. Spokane, Wn.
 Kiner, Zelma Ida, 2 s. Boise
 King, Laura Edna, 3 ed. Lewiston
 King, Margaret Frances, 3 ed. Moscow
 King, Mary Ellen, 1 a. Boise
 King, Richard Duncan, 4 b. Boise
 King, Ruby Carol, 1 ed. Moscow
 King, Stella, 2 ed. Chattanooga, Tenn.
 Kirk, Eugene Huffman, 4 b. St. Maries
 Kirklind, Harold Lincoln, 2 m. Wallace
 Kirklind, Walter Henry, 1 min. Wallace
 Kirkpatrick, Allan Elwyn, 1 ee. St. Maries
 Kirkpatrick, Lester Henry, 2 b. Park
 Kirtley, Charles Gordon, 2 min. Challis
 Kline, Millicent Martha, 2 h. Twin Falls
 Klingler, Willard Calvin, 3 ee. Hailey
 Klock, Gillies Franklin, 1 b. Canastota, N. Y.
 Koster, Albert Edward, 3 ag. Moscow
 Kraemer, Marcella Evelyn, 2 a. Plummer
 Krause, Carl Reginald, 1 ee. Buhl
 Krebs, Winnette Frances, 1 a. Sandpoint
 Kroll, Alvin Frederick, 2 met. Coeur d'Alene
 Kronblad, Edward Carl, 2 b. Coeur d'Alene
 Krueger, Otto Carl, 3 f. Rio Linda, Cal.
 Krummes, William Theodore, 2 f. Boise
 Kryger, Arthur, 2 b. Coeur d'Alene
 Kuckku, Morris Edward, 1 med. Emmett
 Kugler, John Christ, 1 ee. Rathdrum
 Kurath, Hildegard Reichardt, 1 a. Moscow
 Kurdy, Thomas Jonathan, 1 b. Winona
 Lacy, Henry Ambrose, 1 me. Buhl
 Lafferty, Ethel Stanford, 3 a. Spokane, Wn.
 LaFond, Winifred Beth, 3 a. Nampa
 Laidlaw, Fred Manton, 2 b. Boise
 Lake, Nyl Elwyn, 2 ed. Blackfoot
 Lambdin, Willard Clarke, 1 b. Lewiston
 Lamielle, Louise Elizabeth, 3 a. Kellogg
 Lancaster, Joseph Glover, 1 ee. Klockman
 Lang, Arthur Hawkins, 1 f. Waukon, Wn.
 Langdon, Alwilda, 3 a. Lewiston
 Lange, Lawrence Herman, 3 met. Spokane, Wn.
 Langer, Charley Joseph, 2 f. Lewiston
 Lansberry, Julius Robert, 2 a. Moscow
 Lansdon, Floyd Wilbur, 3 a. Boise
 Lantzy, Percy Phillip, 3 ee. Moscow
 Lappin, Alice Margarrette, 1 h. Council
 Larkham, Sara Lois, 3 a. Culdesac
 Larsen, Elsie Louise, 2 a. Moscow
 Larsen, Junius, 4 ch. Nampa
 Larson, Carl Henry, 3 b. Spirit Lake
 Larson, Carl Olaf, 1 ee. Spokane, Wn.
 Larson, Edith Marie, 4 b. Coeur d'Alene
 Larson, Ethel Sofie, 3 a. Coeur d'Alene
 Larson, Philip Clifford, 1 a. Potlatch
 Laughlin, Beverly Frances, 1 b. Spokane, Wn.
 Laughlin, Kyle Emmett, 1 med. Moscow
 Laving, Elijah Everett, 1 b. Pearl
 Lawrence, Everett Clark, 3 b. Jerome
 Lawson, Robert Carpenter, 3 b. Wilder
 Layne, Clarence Nathaniel, 1 b. Buhl
 Layne, Claude Morgan, 1 b. Buhl
 Leatherwood, Russell Keith, 2 ee. Elk River
 Leaton, Gladys Arlene, 3 n. Challis
 Leaton, William Duncan, 2 ch. Challis
 Lehot, Robert Louis, 2 a. Boise
 LeClair, Robert Alexander, 1 b. Lewiston
 Ledesma, Honorato, 3 min. LePaz, Iloilo, P.I.
 Ledesma, Narciso Jaranille, 1 me. Klickitat, Wn.
 Lee, Harold Eugene, 3 met. Medford, Mass.
 Lee, Patricia Edith, 1 b. Bellevue
 Lefever, Mary Charlotte, 1 a. Cascade
 Leiser, John Elmer, 1 ed. Twin Falls
 Leonard, Carl George, 2 ag. Filer
 Lessey, Clara Mae, 1 a. Rigby
 Leute, Frank Anthony, Jr., 4 a. Pocatello
 Levander, Jack Howard, 2 ed. Cascade
 Lewis, Henry Ryle, 3 med. Lewiston
 Lewis, Mont Edmond, 1 ag. Oakley
 Libby, Charles Pride, 1 ee. Moscow
 Lindberg, Fred Alex, 1 ee. Post Falls
 Lindsay, Adrian Kenneth, 4 min. Hazelton
 Lindsay, John Colin, 1 med. Lewiston
 Line, Milton Arthur, 2 b. Pocatello
 Lint, Leigh B., 1 ee. Weiser
 Little, Jessie, 2 ed. Emmett
 Litzenger, Eva Margaret, 3 ed. Colfax, Wn.
 Locke, Gladys Genevieve, 2 b. Idaho Falls
 Logue, Eugene Cecil, 3 med. Bancroft
 Long, Jere James, 3 b. Twin Falls
 Long, Leroy Ernest, 4 b. Pocatello
 Long, Vesta Clarice, 2 a. Arco
 Loosli, Clayton Gurr, 1 med. Marysville
 Lord, Philip Burt, 1 f. Los Angeles, Cal.
 Love, Imogene Beatrice, 2 h. Burley
 Luke, Cornell Leroy, 2 s. Moscow
 Luke, Orral Stanford, 4 ed. Junction, Utah
 Lundemo, Carl Melvin, 1 ed. Spirit Lake
 Lundquist, Alice, 3 ed. Moscow
 Lundquist, Armand Hilmer, 4 s. Moscow
 Luvaas, Jessica Oline, 1 a. Moscow
 Luvaas, Norman Daniel, 4 b. Moscow
 Luz, Manuel Lorenzo, 1 ee. Laoag Ilocos Norte, P. I.
 Lyle, James M., Jr., 3 med. Lewiston
 Lynch, Charles Thomas, 2 b. St. Anthony
 Lyon, Chaumo Walker, 1 me. Idaho Falls
 Lyons, Philip James, 1 ed. Kooskia
 McArthur, Merritt Hillierd, 3 ee. Bonners Ferry
 McAuley, Charles Edwin, 2 med. Emmett
 McBirney, Mary Elizabeth, 1 h. Meridian
 McBirney, William Robert, 2 ag. Boise
 McBratney, Edward William, 2 ed. Boise
 McCall, Clarence Joseph, 3 b. Caldwell
 McCauley, Dorothy Elma, 1 ed. Moscow
 McComb, Jane Marian, 2 a. Troy
 McConnell, Helen L., 4 a. Boise
 McConnell, Charles, 2 a. Moscow
 McCown, Joseph Hardy, 2 b. Palouse, Wn.
 McCoy, Wayne Alexander, 3 ee. Meridian
 McCoy, William Alexander, 1 min. Newsome
 McCrea, Ina Mae, 1 ed. Coeur d'Alene
 McCrory, LaFayette Develz, 1 ed. Kellogg
 McDevitt, James Frederick, 1 a. Boise
 McDonald, Earl William, 2 ag. Grangeville
 McDonald, George, 2 a. Moscow
 McDowell, Kenneth John, 3 a. San Francisco, Cal.
 McGee, Zola Nadine, 2 a. Dubois
 McGinty, Norman Wesley, 2 ee. Sandpoint

- McGirr, Helen Winifred, 1 ed. Boise
 McGirr, Richard Gordon, 1 ed. Boise
 McGonigle, Marion Anna, 2 h. Spokane, Wn.
 McGonigle, Thomas John, 3 ch. Moscow
 McGrane, Frank Thomas, 3 b. Grangeville
 McGrath, Daniel Lincoln, 2 a. Wallace
 McKeown, Frank Stratton, 1 b. Wallace
 McKinley, Harold Lee, 3 met. Wallace
 McKinney, Alice Louise, 2 a. Spokane, Wn.
 McLeod, Constance Emily, 1 ed. Caldwell
 McMahan, Verna De, 3 ed. Shoshone
 McMaster, Mattie, 3 ed. Twin Falls
 McMillin, Frank, 2 b. Pocatello
 McMonigle, Edward Bartholomew, 4 b. Boise
 McMurray, Ina, 4 ed. Liberty
 McNaughton, Marjorie, 3 ed. Coeur d'Alene
 McPhillamey, Wallace Frederick, 1 ee. Sheridan, Wyo.
 McQuade, Jack Francis, 1 s. Pocatello
 Macey, Helen, 1 m. Boise
 Madigan, Henry Francis, 4 law. Twin Lakes
 Madison, Loretta Isabel, 1 a. Lewiston
 Madison, Roy William, sp f. Lewiston
 Maggart, Isabel Rebecca, 3 h. Burley
 Magnuson, Ralph Lauren, 1 ag. Worley
 Maguire, Virginia Lee, 1 a. Spokane, Wn.
 Maher, Gussie Ann, 2 a. Kellogg
 Mahngar, Bachittar Singh, 1 ag. Punjab, India
 Manley, William Arnold, 4 a. Sedro Woolley, Wn.
 Manning, James Henry, Jr., 3 ed. St. Joe
 Manning, Laura Gail, 3 ed. Ashton
 Manning, Laurence Rodman, 2 b. Ashton
 Manning, Philip Clair, 3 ed. St. Joe
 Manning, Robert Walter, 2 b. Pocatello
 Marcellus, William Howard, 1 a. Boise
 Marchesi, Kenneth Hugh, 3 b. Kellogg
 Mark, Frederick Albert, 1 ag. Blackfoot
 Mark, William David, 3 g. Blackfoot
 Marker, Earl James, 1 b. Mackay
 Marlay, Catherine McReynolds, 1 a. Moscow
 Marsh, Frank Abram, 4 g. Moscow
 Martin, Elmer Henry, 1 ed. Boise
 Martin, Henry Stanley, 2 a. Idaho Falls
 Martin, Marjorie Lucille, 1 a. Oakesdale, Wn.
 Martinson, Anne Emelia, 1 ed. Coeur d'Alene
 Mason, Lowell Wesley, 2 ed. Woodland
 Mathewson, Flo Dale, 3 ed. Wendell
 Matson, Helen Marguerite, 3 ed. Donnelly
 Matteucci, Paul Anthony, 1 b. Great Falls, Mont.
 Matthews, James Boyd, 1 b. Caldwell
 Maughan, Alfred Nielsen, 2 ag. Weston
 Maurer, Fred D., 1 b. Moscow
 Maxey, Stewart Sherman, 3 law. Caldwell
 Maxwell, Jane, 1 a. Twin Falls
 Mayer, Orland Clayton, 3 ee. Genesee
 Maynard, Earl Myron, 1 ag. Lapwai
 Meacham, Evelyn Jean, 1 a. Wendell
 Meadows, Jesse, 3 ed. American Falls
 Meakin, Clarence James, 4 ed. Ferdinand
 Mee, Leonard Smith, 2 b. Twin Falls
 Meisner, Racheal Mary, 1 ed. Moscow
 Melgard, Alice Gladys, 4 h. Moscow
 Melgard, Helen Winifred, 2 a. Moscow
 Melgard, Thelma Solveig, 1 a. Moscow
 Mellinger, Ardith Reed, 1 h. Spokane, Wn.
 Menecely, James Franklin, 1 ee. Moscow
 Menzies, Miriam Elma, 1 m. Nampa
 Mercer, Bruce Royal, 3 me. Moscow
 Merriam, Virginia Agnes, 1 a. Wallace
 Merrick, George Henry, 3 ed. Drummond
 Merrill, Beardslee Bliss, 4 b. Spokane, Wn.
 Merwin, Lee Samuel, 1 b. Sandpoint
 Messenger, Dorothy Elizabeth, 3 ed. Moscow
 Michael, Dale Charlton, 1 b. Lewiston
 Miller, August Ernest, 3 med. Moscow
 Miller, Charley Walter, 4 ee. Nezperce
 Miller, Cleo Ferrol, 4 h. Moscow
 Miller, Edith Bradley, 2 ed. Sandpoint
 Miller, Elizabeth Gelsmer, 2 ed. Twin Falls
 Miller, Frank Crowley, Jr., 3 ee. Salmon
 Miller, George William, 2 ee. Hagerman
 Miller, Grace Dorothy, 2 h. Nampa
 Miller, John Smith, 3 a. Moscow
 Miller, Leon, 3 a. Kellogg
 Miller, Lois Aileen, 1 ed. Moscow
 Miller, Margaret Florence, 3 a. Pocatello
 Miller, Mary Georgetta, 2 ed. Nampa
 Miller, Richard Bauer, 1 f. Salmon
 Miller, Ruth Annetta, 1 ed. Boise
 Miller, Sherman Joseph, 1 a. Lewiston
 Miller, Tom Oliver, 3 b. Coeur d'Alene
 Milliken, Helen Elizabeth, 4 a. Nampa
 Milliner, George Alton, 1 ed. Caldwell
 Mindte, Robert Augustine, 1 m. New Meadows
 Minear, Frances Elma, 1 ed. Fairfield
 Minger, Dorothy Dinah, 2 a. Boise
 Mink, Elvira Amanda, 1 b. Gooding
 Minkler, Alben Page, 1 ar. Smiths Ferry
 Mitchell, Esther Fisk, 1 n. Parma
 Mitchell, James Morris, 1 b. Parma
 Mitchell, John William, 4 s. Parma
 Mitchell, Lloyd McIntyre, 1 ch. Rupert
 Mitchell, Lutie Mae, 1 m. Nezperce
 Mitchell, Margaret Mary, 3 s. St. Maries
 Mitchell, Ruth Adelaide, 1 b. Boise
 Mitchell, William Wilson, 4 f. Wilmington, Del.
 Mix, Leslie Boyce, 1 ag. Moscow
 Mogg, Oswald Grover, sp a. Moscow
 Monk, Joe Clyde, 1 b. Spokane, Wn.
 Montgomery, John Frank, 4 a. Boise
 Montgomery, Warren James, 4 a. Boise
 Moore, Agnes Gay, 2 ed. Gooding
 Moore, Burton L., 3 a. Boise
 Moore, James Arthur, 3 a. Cottonwood
 Moore, Robert Andrew, 3 ag. Boise
 Moore, Robert James, 1 ee. Moscow
 Moore, Troy, 4 s. Buhl
 Moore, William Cloud, 2 b. Gem
 Moran, William James, 4 ed. Bellevue
 Morgan, Harold Albert, 1 ed. Rosalia, Wn.
 Morgan, Harry Wayne, 3 b. Idaho Falls
 Morgan, Velma Eloise, 4 ed. Twin Falls
 Morley, Maurice Joseph, 2 b. Idaho Falls
 Morris, Mary Mabel, 4 s. Spokane, Wn.
 Morris, Rayson Pasco, 4 ee. Potlatch
 Morse, Karleen Gwendolyn, 2 a. Rupert
 Morse, Kenneth Frank, 1 ee. Sandpoint
 Mortensen, Lillian Adeline, 1 b. Moscow
 Mortenson, Anna Fananda, 4 b. Moscow
 Mortenson, Ruth Victoria, 1 b. Moscow
 Moser, Alphonse Stephen, 2 ee. Moscow
 Mosher, Vivienne Claire, 3 a. Boise
 Mosman, May Teresa, 2 b. Genesee
 Mosman, Ormand John, 1 ag. Genesee
 Moss, Anthony Bartlett, 1 ed. Payette
 Moss, Virgil Daniel, 1 f. Fairfield
 Moulton, Esther Elizabeth, 1 a. Kennewick, Wn.
 Moulton, Lester Paul, 3 b. Weiser
 Mudgett, Grayce Thelma, 3 b. Troy
 Mundle, Alice Elizabeth, 3 a. Parma
 Munden, Dale Eugene Park, 2 ed. Moscow

- Murphy, Albert Marion, 3 ag. Twin Falls
 Murphy, Mary Elizabeth, 1 a. Seattle, Wn.
 Murphy, Mary Elizabeth, 4 med. Buhl
 Murray, Carl Harold, 4 ed. Filer
 Mushletz, Arba Robert, 3 ee. Troy
 Mutch, Del Leonard, 1 med. Coeur d'Alene
 Muzzy, Rodney Mertz, 1 ed. Kootenai
 Myers, Velma Frankie, 1 ed. Moscow
 Mykelbust, Ida Jo, 1 b. Troy
 Myrene, Clarence Fred, 2 min. Spokane, Wn.
 Nancolas, Edith Marie, 3 b. Jerome
 Nash, Alton West, 3 ag. Boise
 Nass, Herman William, 2 b. Outlook, Wn.
 Nattinger, Lorine Alice, 1 h. Port Angeles, Wn.
 Neace, Elizabeth Sara, 2 a. Endicott, Wn.
 Neal, Dorothy Carol, 2 h. Meridian
 Neal, Edgar Henry, 4 ag. Arco
 Neal, Mary Virginia, 1 b. Boise
 Neifert, Lenora, 1 s. Ashton
 Neighbor, Albert Leonard, 3 ed. Moscow
 Nelson, Alice Jean, 1 ed. Troy
 Nelson, Avis Watt, 3 a. Portland, Ore.
 Nelson, Carl Augustine, 3 b. Moscow
 Nelson, David Reynold, 2 b. Moscow
 Nelson, Edyth Dale, 2 b. Moscow
 Nelson, Einar Firtjof, 2 ed. Moscow
 Nelson, Emma Viola, 3 a. Moscow
 Nelson, Harold Theodore, 2 ce. Wallace
 Nelson, Krista Henriett, 2 s. Bellevue
 Nelson, Lester James, 4 ag. Kendrick
 Nelson, Maurice Austin, 3 b. Boise
 Nettleton, Vida Derflinger, 2 ed. Moscow
 Netzel, Harold Edward, 1 b. Lewiston
 Neuman, Carl Augustus, 1 ch. Sandpoint
 Newcomb, Zella Grace, 2 a. Rupert
 Newcomer, Fred Riggie, 1 f. Sheridan, Wyo.
 Newell, Donna Marguerite, 1 a. Bonners Ferry
 Newell, John LeGore, 2 met. Boise
 Newhouse, Dean Scholfield, 2 a. Boise
 Newhouse, Ruth Irene, 2 a. Kuna
 Newman, Nina Kelso, 1 m. Shoshone
 Newman, Olive Albertina, 1 b. Boise
 Newport, James Kendall, 1 ar. Notus
 Neyman, Virgil Edgar, 2 b. Albion
 Nibler, Crawford Wilson, 4 ag. Middleton
 Nichols, Alta Genevieve, 1 ed. Viola
 Nicholson, Carl Emil, 1 b. Boise
 Nicholson, Donald Eugene, 1 b. Star
 Nicholson, John Douglas, 2 met. Yellow Pine
 Nicholson, June Elizabeth, 1 a. Moscow
 Nicolas, Serviliano Manuel, 1 f. Laoag Ilocos Norte, P. I.
 Niedemeyer, Harold Oliver, 1 ch. Post Falls
 Nielsen Virginia, 1 h. Idaho Falls
 Nielson, Byron Haight, 4 med. Oakley
 Nims, Raymond Possion, 3 ed. Cottonwood
 Nixon, Grace Virginia, 2 a. Genesee
 Nixon, Dorothy Celestia, 2 ed. Pocatello
 Nonini, Francis Vitto, 2 ed. Mackay
 Norby, Arthur Marvin, 2 b. Rupert
 Norell, Byron Mitchell, 1 b. Mountain Home
 Norell, James Alden, 3 ee. Mountain Home
 Norman, John Earl, 2 g. Wallace
 Noyes, Rachael Louise, 2 ed. Orofino
 Nye, John Hollister, 2 ed. Twin Falls
 O'Brien, James Riley, 3 ed. Lewiston
 O'Leary, Kenneth Webster, 1 a. Boise
 O'Neil, Kenneth, 3 a. Grants Pass, Ore.
 Oberg, Carl Allen, 1 ed. Moscow
 Oberg, Florence Mary, 4 m. Moscow
 Ogg, Amelia Dester, 2 ed. Moscow
 Okesson, Willis Cormick, 2 ee. Declo
 Oldman, Sylvia Louise, 3 a. Boise
 Olin, Robert Winslow, 3 ee. Culdesac
 Oliver, Florence Irene, 3 h. Moscow
 Oliver, Lucien Everett, 2 b. Moscow
 Oliver, Marguerite Isabelle, 2 ed. Moscow
 Oliver, Mary Elizabeth, 4 h. Moscow
 Oliver, Zoe Mae, 1 ed. Moscow
 Oller, Gladys Hilma, 4 h. Moscow
 Olson, Dorothy Ellen, 2 h. Spokane, Wn.
 Olson, Kenneth Endeward, 1 ed. Moscow
 Ommanney, Herbert Tudor, 1 f. Grand Forks, B. C.
 Osgood, Emily Berneice, 1 h. Boise
 Osterberg, Erik Gothe, 1 b. Coeur d'Alene
 Ostrander, Harold Raymond, 1 med. Spokane, Wn.
 Otness, George Louis, 3 b. Moscow
 Otness, Herman, 2 ce. Moscow
 Otter, Floyd Leslie, 3 f. Moscow
 Otter, John Vernon, 4 ce. Moscow
 Otter, Joyce Harriet, 1 s. Moscow
 Oud, John Bert, Jr., 1 ed. Orofino
 Owens, Harry Sutphin, 1 ch. Montpelier
 Owens, Herbert Evan, 1 ed. Twin Falls
 Ownbey, Hazel Lucile, 1 ed. Boise
 Oylear, Gertrude Irene, 1 a. Boise
 Packer, Harold Vernon, 1 m. Nampa
 Page, Robert James, 2 ar. Kellogg
 Palmer, Ernest Joseph, 1 ag. Malad
 Papesch, Beulah Elizabeth, 2 ed. Kellogg
 Pardue, Arlie Austin, 3 ar. Craigmont
 Parish, Bernice Aldene, 2 a. Buhl
 Park, Charles Raymond, 3 a. Idaho Falls
 Parker, Caroline Annette, 2 a. Boise
 Parker, Edwin John, 1 me. Moscow
 Parker, Ernest Thompson, 1 me. Moscow
 Parker, Jack Thomas, 2 b. Lewiston
 Parmer, Charn Singh, 2 ch. Hoshlar Pur, India
 Paroz, Henriette Marguerite, 2 a. Potlatch
 Parsons, Grace McClintock, 1 a. Moscow
 Parsons, Harold Charles, 1 me. Hagerman
 Patchen, Glenn Oliver, 2 me. Careywood
 Paterka, Pauline Harriet, 1 m. Republic, Wn.
 Patric, John, 3 a. Boise
 Paulson, George M., 4 law. Twin Falls
 Payne, Lulu Clare, 4 b. Idaho Falls
 Pearce, Beatrice, 2 a. Washtucna, Wn.
 Pearce, Beulah, 1 h. Washtucna, Wn.
 Pearce, Thelma Bernadine, 1 ed. Kellogg
 Pearson, Joe S., 1 a. Starbuck, Wn.
 Peavey, Arthur Jacob, Jr., 3 law. Twin Falls
 Pechanec, Joseph Frank, 1 f. Nampa
 Peck, Lawrence Layne, 2 s. Buhl
 Peck, Virginia Inadine, 1 med. Buhl
 Pedersen, Waldemar Ambrose, 1 ed. Juliaetta
 Pence, Gladys Taylor, 2 ed. Payette
 Pence, Katherine, 4 ed. Payette
 Penwell, Park Hugo, 1 ag. Moscow
 Perkins, Ruth Marietta, 1 ag. Jerome
 Perrenoud, Rachel Pauline, 1 m. Coeur d'Alene
 Perrins, Melvin Samuel, 4 ed. Albion
 Perry, Mildred Eleanor, 4 b. Wenatchee, Wn.
 Peshak, Helen Dorothy, 3 s. Boise
 Petersen, James Morton, 3 ee. Moscow
 Petersen, William Arthur, 1 ed. Pocatello
 Peterson, Eddie, 2 ar. Kellogg
 Peterson, Eleanor Rowena, 4 a. Moscow
 Peterson, Ernest Dean, 1 ce. Aberdeen
 Peterson, Fritz B., 3 ee. Aberdeen
 Peterson, Kenneth Landys, 2 b. Moscow

- Peterson, Ralph Nicholas, 3 a. Harrison
 Peterson, Robert William, 1 b. Moscow
 Pew, Genevieve Adaline, 3 n. Tekoa, Wn.
 Pfost, Cecil Anderson, 2 b. Boise
 Philippi, Frances Eleanor, 1 a. Lewiston
 Phillips, John William, 1 a. Glens Ferry
 Pickrell, Estelle Marguerite, 3 a. Spokane, Wn.
 Pierce, Irene Elizabeth, 1 ed. Moscow
 Piercy, Esther June, 4 a. Moscow
 Piercy, Watt Henry, 1 ee. Boise
 Pierre, Walter Louis, 2 a. Wallace
 Pierson, Sidney Luthy, 1 b. Preston
 Pincock, Mark Lavaine, 1 ag. Sugar City
 Pittman, William Henry, 3 law. Moscow
 Pittwood, Elvie May, 3 ed. Orofino
 Pizarro, Louis Serrano, 4 s. Philippine Is.
 Pizey, Pauline Martha, 1 a. Boise
 Platt, Kenneth Batdorf, 2 ag. Genesee
 Platt, W. Emerson, 3 ed. Caldwell
 Pledger, Robert Walter, 1 me. Wallace
 Plumlee, Roy Grant, 2 b. Burke
 Pond, Keith Greaves, 1 ag. Grace
 Pond, LaVerna, 4 ed. Grace
 Pontius, Rex Burns, 1 s. Lewiston
 Pool, Ruby Ellen, 1 ed. Dayton Wn.
 Poolton, Truman Lynex, 4 ed. Richland, Wn.
 Porter, Harry Allison, 3 a. Wendell
 Porter, Horace Macklin, 3 b. Moscow
 Portfors, Francis Albert, 1 ed. Orofino
 Potter, Russell Francis, 2 b. Twin Falls
 Poulton, Edward Eli, 2 law. Churchill
 Poulton, Elizabeth, 4 b. Churchill
 Poulton, Emma J., 4 b. Churchill
 Powell, Dorothy Louise, 3 a. Huntington Park, Cal.
 Powell, George Henry, 3 ag. Blackfoot
 Power, Wilson Huntley, 1 g. Spokane, Wn.
 Prater, Ralph Everett, 1 ed. Colfax, Wn.
 Prater, Vilas Edgar, 1 f. St. Anthony
 Prewitt, Joseph Robert, 2 a. Ritzville, Wn.
 Price, Walter John, 2 ed. Malad
 Pritchard, Theodore Jan, sp a. Thief River Falls, Minn.
 Priebe, Melcher Walter, 3 ed. Twin Falls
 Prior, Harry Drumm, 1 ag. Hansen
 Pyrah, Evan Ralph, sp ag. Carey
 Quitiquit, Maximo Queypo, 3 a. Ilcos Sur, P. I.
 Raby, Prudence Matilda, 1 b. Boise
 Rach, Edna Elsie, 4 ed. Moscow
 Rach, Myrtle Irene, 2 ed. Moscow
 Rae, Helen Robina, 3 m. Coeur d'Alene
 Ragan, Ruth Marie, 1 a. Lewiston
 Raide, Theodore Emil, 1 b. Enaville
 Ramos, Roman Bolompo, 1 ee. Bauan, Batangas, P. I.
 Ramstedt, Albert Martin, 2 b. Moscow
 Ramstedt, Allen Swan, 4 b. Moscow
 Ramstedt, Bernard Nathaniel, 1 b. Moscow
 Ramstedt, Ruth Anna, 2 a. Moscow
 Randall, Donald Duncan, 3 b. Moscow
 Randall, Russell Samuel, 2 a. Moscow
 Rasor, Charles Alfred, 1 ee. Boise
 Rauch, Wilma Hylah, 1 h. Troy
 Rawlins, Jean Young, 1 a. Boise
 Raymond, Emma Alsy, 1 ed. Huston
 Reading, Alvin Henry, 3 a. Buhl
 Reardon, Thomas Alvin, 2 a. Post Falls
 Rector, Charles Mugler, 2 f. Bryan, O.
 Redman, Elliott Eugene, 1 med. Pocatello
 Reed, Ralph Whitney, 1 b. Coeur d'Alene
 Reed, William Rowton, 3 ee. Moscow
 Reeves, Amy Beatrice, 3 a. Craigmont
 Reeves, William, 4 ee. Burke
 Reichman, Louis Cecil, 2 ee. Juliaetta
 Reid, Elva, 4 a. Colfax, Wn.
 Reid, Jane Helen, 2 a. Weiser
 Reierson, Paul Edward, 3 b. Troy
 Reiley, Marion Rex, 2 b. Grangeville
 Reinhardt, Richard Gray, 2 me. Spokane, Wn.
 Reiniger, Leonard Henry, 1 b. Rathdrum
 Reiniger, Walden Quincy, 1 b. Rathdrum
 Remsberg, Ruth Elizabeth, 4 s. Rupert
 Renfrew, William, 1 ed. Moscow
 Rettig, Francis Marion, 3 law. Lewiston
 Reuter, Carl Theodore, 3 b. Fenn
 Reynolds, Hester Adrian, 3 h. Spokane, Wn.
 Reynolds, Robert Reed, 1 ch. St. Maries
 Rice, Edla Lucille, 1 h. St. Anthony
 Rice, Neva Margaret, 3 b. Nampa
 Rice, Theodore Allison, 4 met. Coeur d'Alene
 Richards, Edna Mae, 2 h. Moscow
 Richards, Patrick Clark, 1 a. Moscow
 Richards, Stanford, 1 ed. Malad
 Richardson, Bert Henley, 1 b. Lewiston
 Richardson, Everett Jesse, 4 a. Boise
 Richardson, Ferol, 4 a. Moscow
 Richardson, Kenneth Fred, 1 f. Burke
 Richter, Erich Theodor, 2 b. Spokane, Wn.
 Ricketts, Curtis Theodore, 3 ee. Salmon
 Riddle, Anna Louise, 3 h. Moscow
 Riddle, Mary Ann, 3 b. Pocatello
 Riddle, William Dixie, 4 s. Moscow
 Ridge, Susie May, 4 a. Moscow
 Riesbol, Herbert Spencer, 3 ee. Lapwai
 Rindy, Myrtle Angeline, 4 a. Moscow
 Rinehart, Edward Franklin, sp ag. Boise
 Rippe, Oscar Hjalmar, 4 a. Moscow
 Robb, Harry Alexander, 1 a. Nampa
 Robbins, Gladys Belle, 4 b. Blackfoot
 Robbins, Walter Clemet, 1 ed. Moscow
 Roberts, Frederick Fezer, 1 ee. Parma
 Robertson, Finley Pierce, 1 ee. Driggs
 Robertson, Frederick Reese, 3 b. Boise
 Robison, George Alvin, 1 ag. Roberts
 Rodell, Charles Herman, 1 ed. Hayden Lake
 Rodgers, Beryl, 4 h. Moscow
 Rodgers, Jefferson Belton, 4 me. Moscow
 Roe, Katherine Helen, 1 m. Boise
 Rohde, Myrtle Lemora, 1 h. Orofino
 Rohn, Donald Carl, 1 f. Lowden, Wn.
 Roise, Elmer Manford, 3 ed. Moscow
 Rose, Melvin Truman, 1 me. Spokane, Wn.
 Rosell, Martin Bernard, 3 f. Elk River
 Rosenbaum, William Ray, 1 ed. Gooding
 Ross, Alice Lyle, 4 a. Nampa
 Ross, George Andrew, 4 b. Moscow
 Ross, Josephine Agnes, 2 m. Moscow
 Ross, Thomas Roderick, 2 ee. Moscow
 Roth, Wayne John, 1 a. Coeur d'Alene
 Rothechild, Josephine Nancy, 3 a. Boise
 Rouse, Dorothy Helen, 1 a. Pocatello
 Rowe, Marcus Wayne, 1 b. Moscow
 Rowe, Percy Burton, 4 f. Moscow
 Rowell, Ruth Lois, 3 ed. Lewiston
 Rudeen, Axel Waldo, 1 ar. Spokane, Wn.
 Rudger, Florence Marie, 1 ed. Cambridge
 Rudy, Paul Lenard, 3 b. Buhl
 Ruehle, Archie Edwin, 2 s. Port Townsend, Wn.
 Rugg, Barbara Jane, 4 ed. Buhl
 Russell, Donald Raymond, 2 ee. Reubens
 Russell, Lois Elwood, 4 ed. Moscow
 Russell, Max Kenneth, 1 ee. Cascade
 Rutledge, Bud William, 1 ed. Middleton
 Ryan, Golden Dewey, 3 b. Gooding
 Sackett, Vera Mildred, 2 ed. Twin Falls
 Sage, Dorothy Nell, 2 a. Shelley

- Saling, Wallace Marion, 4 f. Weippe
 Sample, Clarence Hugh, 3 ch. Meridian
 Sampson, Florence Rachel, 2 a. Moscow
 Samuels, Henry Floyd, 1 me. Samuels
 Sanborn, Dorothy May, 1 b. Spokane, Wn.
 Sanborn, Edith Adell, 3 a. Spokane, Wn.
 Sanborn, Fred Field, 1 me. Idaho Falls
 Sanders, Sheldon Clyde, 1 ag. Roberts
 Sandmeyer, John Arthur, 1 ag. Buhl
 Sandmeyer, Theodore Ernest, 1 ag. Buhl
 Sankey, Henry Perry, 1 a. Moscow
 Sargeant, Howard John, 2 f. Granger, Wn.
 Sargent, Richard Blake, 1 med. St. Maries
 Sayles, Thomas Byer, 3 s. Ft. Lapwai
 Scarborough, Charles Roy, 2 min
 Priest River
 Scatterday, George Hays, 1 a. Caldwell
 Schedler, Fred Russell, 2 b. Sandpoint
 Schlack, Melvin Raymond, 1 ee. Post Falls
 Schmid, Elsie Christina, 4 ed.
 New Plymouth
 Schmitz, Lawrence Donald, 3 ee. Cambridge
 Scholer, George Philip, 1 b. Burley
 Scholer, Margaret Elsie, 3 ed. Rupert
 Scholtz, Erma Marilyn, 4 a. Seattle, Wn.
 Schroeder, Violet Elaine, 4 ed. Moscow
 Schumacher, Keith Albert, 2 ed. Moscow
 Schumacher, Walter Mathias, 1 ar. Moscow
 Schumann, Gilbert Vopel, 3 min. Dubois
 Schuttler, Harry Rollin, 4 ed. Medimont
 Schwartzenhauer, Arthur George, sp min
 Rossland, B. C.
 Schwendiman, John Leo, 1 ag. Newdale
 Scilley, Margaret Henderson, 2 ed.
 Twin Falls
 Selby, Irving Remsburg, 4 a. Moscow
 Settle, John Edwin, sp ag. Moscow
 Seymour, Wellington George, 4 f.
 Westfield, N. Y.
 Shamberger, William David, 2 s. Payette
 Shane, Cornelius Allan, 1 ed. Council
 Shank, Paul James, 1 f. Swan, Tex.
 Shaw, Carl Ingram, 2 ed. Caldwell
 Shaw, Glen Lyle, 2 b. St. Maries
 Shears, Dorothy Virginia, 2 b. Kellogg
 Sheehan, Evelyn Delight, 1 a. Boise
 Sheehan, John Edward, 2 a. Boise
 Sheils, Evelyn Betty, 2 b. Barber
 Shellworth, Grace Nellie, 1 h. Boise
 Sheridan, Max Clark, 1 med. Wallace
 Sherrill, George Folk, 2 med. Lewiston
 Shirk, Marlys Arlene, 4 a. Moscow
 Shirley, Phyllis, 1 a. Idaho Falls
 Shook, Glen Merrill, 1 ee. Sandpoint
 Showalter, Ted Harry, 1 min. Nampa
 Shropshire, Lawrence Lincoln, 4 law
 Lewiston
 Siderfin, Marion Jean, 1 ed. Butte, Mont.
 Sifton, James Bruce, 3 ag. Emmett
 Siggins, Howard Edwin, 3 ed. Twin Falls
 Silverthorne, Glenn Raymond, 4 a. Lewiston
 Simm, Arthur Dean, 1 b. Boise
 Simmonds, Richard Charles, 1 ch. Salmon
 Simmonds, Robert Walter, 1 ch. Salmon
 Simmons, Agnes Louise, 4 a. Kellogg
 Simmons, Dorothy Ina, 2 b. Kellogg
 Simon, Clara Bernice, 4 b. Cottonwood
 Simonds, Hazel Marguerite, 1 a.
 Bonners Ferry
 Simons, Ralph Hugh, 2 b. Kellogg
 Simpson, Elizabeth Therese, 1 a. Moscow
 Simpson, Harrison Hudson, Jr., 3 a.
 Moscow
 Sims, Dorothy Madieu, 4 ed. Kuna
 Singh, Karam, 2 b.
 Baddon, Punjab, India
 Singh, Kehar, 1 b. Punjab, India
 Singh, Mota, 1 b. Duncan, B. C.
 Sizemore, George Wesley, 1 ee. Eden
 Skinner, Florence Mae, 2 b. Moscow
 Slate, Edgar Davis, 2 g. Bonners Ferry
 Slaughter, Walter Arthur, 2 b. Twin Falls
 Slec, Watford Burch, 1 ch. Spokane, Wn.
 Slotten, Mary Corbin, 4 a. Coeur d'Alene
 Small, Charles Edward, 4 met. Gem
 Smith, Bernice Winters, 1 m. Moscow
 Smith, Beryl Thelma, 4 a. Moscow
 Smith, Chandler Wickersham, 2 s.
 Gross Ile, Mich.
 Smith, Charlotte Ellen, 4 a. Moscow
 Smith, Darold George, 2 law. Moscow
 Smith, Elizabeth Alice, 3 a. Salmon
 Smith, Glenn Edward, 2 law. Weiser
 Smith, Glenn Wilson, 4 b. Moscow
 Smith, Goldie May, 3 ed. Boise
 Smith, Irene Wells, 3 ed. Moscow
 Smith, Lawrence Martin, 1 ee. Moscow
 Smith, Marshall Riley, 2 ag. Gooding
 Smith, Norman Myer, 1 ag. Weiser
 Smith, Owen Delevan, 2 med. Priest River
 Smith, Raleigh Webster, 1 ee. Leland
 Smith, Ronald Martin, 1 b. Moscow
 Smith, Stanley Lewis, 4 ag. Gooding
 Smuin, Frank Delmore, 2 a. Ashton
 Snook, Henry Waynefield, 3 ed. Post Falls
 Snow, Doris Mae, 3 h. Moscow
 Snow, Floyd Madison, 1 ee. Moscow
 Snow, George Madison, 1 min.
 Philipsburg, Mont.
 Snow, Mary Drusilla, 2 h. Moscow
 Soden, Johnnie Wesley, 1 b. Buhl
 Soderberg, Louis Albin, 4 b. Orofino
 Soderquist, Marvin Kenneth, 1 med.
 Idaho Falls
 Sogard, Vernon Reginald, 3 b. Culesac
 Sohns, Melvin William, 1 ed. Spokane, Wn.
 Sokolnikoff, Annie, 4 s. Moscow
 Solberg, Emma Louise, 2 ed. Kamiah
 Solberg, Lawrence Arthur, 3 med.
 Elk River
 Sommercamp, James Peyton, 1 b. Weiser
 Songer, Eleanor Emily, 2 ed. Meridian
 Soper, Vernard, 1 ed. Weiser
 Sorensen, Erma, 4 a. Emmett
 Sorensen, Vernal Treavore, 2 a. Rigby
 Southworth, Harry Fox, 4 s. Prescott, Ariz.
 Sowder, James Ethelbert, 1 f. Moscow
 Spence, Harry Lowe, Jr., 3 ag. Moscow
 Spence, Liter Estill, 4 f. Park Ridge, Ill.
 Spencer, Charles Stewart, 3 ag. Victor
 Spencer, Jesse Raymond, 1 ee. Moscow
 Spencer, Wesley Roosevelt, 2 ag. Moscow
 Sponsler, Lennie Clarinda, 2 ed. Caldwell
 Springer, Charles Edwin, 2 b. Boise
 Sproat, Hugh, Jr., 1 ag. Boise
 Spurgeon, Violette Estelle, 2 ed.
 Spokane, Wn.
 Spyres, Ruth, 3 h. Burke
 St. Clair, Robert Wright, 2 a. Idaho Falls
 Stageberg, Oswald C. R., 3 a.
 Red Wing, Minn.
 Stalker, Beatrice, 2 h. Lewiston
 Stamm, Alice, 2 n. Moscow
 Stamm, John Frederick Todsen, 4 b.
 Moscow
 Standahl, Josephine Marie, 2 h.
 Coeur d'Alene
 Stanfield, Hugh, Jr., 1 b. Weiser
 Stanley, Wilfred Burnham, 2 f. Moscow
 Stark, Lyell Ward, 4 ed. Hagerman
 Steele, Harold Adelbert, 3 ag. Gooding
 Steele, John Winton, 1 a. Burley

- Steele, Mary Catherine, 2 a. Coeur d'Alene
 Steele, Sonoma Louise, 1 ed. Burley
 Steffens, Herman Walter, 3 med. Blackfoot
 Stein, Gladys Inez, 1 a. Cascade
 Stellmon, Elbert Andrew, 4 law. Nezperce
 Stephens, Howard Deaver, 3 min. Burke
 Stephenson, Thomas Hoyt, 3 ee. Twin Falls
 Stevens, Burton J., 1 a. St. Anthony
 Stewart, Burton Lyman, 2 med. Boise
 Stewart, Jennie Christine, 1 ed. Montpelier
 Stewart, Russell Sterling, 3 b. Pocatello
 Stinimates, Merrill Phillip, 3 ag. Moscow
 Stock, Merlin Ross, 1 f. Oakley
 Stoddard, Samuel Edmund, 4 ed. St. Anthony
 Stoner, Edna, 3 a. Burke
 Story, Ruth Gladys, 3 m. Burley
 Stout, Charles Shields, 3 a. Glens Ferry
 Stover, Joseph Murphy, Jr., 3 ed. Weiser
 Stowasser, Allen Arthur, 2 b. Coeur d'Alene
 Stowell, Harold Bowman, 1 s. Pocatello
 Stringer, Gertrude Ann, 2 a. Weiser
 Stroud, Charles Crawford, 2 f. Hollywood, Cal.
 Styner, Truman Leonard, 4 ee. Moscow
 Su, Lansing, 4 ce. Kao Tang, Shantung
 Sullivan, Ava Hilda, 3 a. Rupert
 Sullivan, Cleland Garnet, 4 b. Rupert
 Summer, Merrill Roland, 1 ed. Eden
 Summers, Austin B., 2 ag. Salmon
 Sumpter, Castleman Harvey, 2 ed. Mullan
 Suter, Floyd Louis, 1 b. Coeur d'Alene
 Swain, Robert Fielding, 1 f. Chicago, Ill.
 Swanson, Clara Aldora, 3 a. Pocatello
 Swanson, Edna Frances, 2 b. Troy
 Swanson, Roland Waldamar, 4 a. Coeur d'Alene
 Swaney, Samuel Pothergill, 2 a. Melba
 Sweeley, Royal Glen, 1 a. Moscow
 Swift, Robert Kenneth, 1 ed. Salmon
 Swindaman, George Robert, 1 ed. Declo
 Tacke, Raymond Anthony, 4 med. Cottonwood
 Taggart, Jay, 2 ed. Moscow
 Talbott, Constance Ramona, 3 s. Moscow
 Talbott, Loyal Elmer, 1 f. Moscow
 Tall, Aldon, 3 med. Rigby
 Tall, Asael, 3 med. Rigby
 Tatro, William Winfield, 3 ed. Pocatello
 Tatum, Frank James, 2 ed. Black Lake
 Taylor, Cyprian Neufville, 2 f. Nelson, B. C.
 Taylor, Dorothy Marie, 1 a. Weiser
 Taylor, Florence Catherine, 4 a. Grangeville
 Taylor, Floyd, 4 b. Burley
 Taylor, Helen Hartley, 3 a. Weiser
 Taylor, Lois Elizabeth, 3 a. Weiser
 Taylor, Ralph Albert, 3 ee. Liverpool, N. Y.
 Taylor, Richard Herman, 2 a. Boise
 Teater, Arthur Sherman, 1 f. Weiser
 Teed, Currie Noel, 4 ee. Kuna
 Teller, William Romer, Jr., 1 a. Boise
 Terhune, Charles Alfred, 3 med. Burley
 Terwilliger, Harry Willard, 1 a. Nampa
 Thackwell, Fred Emerson, 3 min. Ogden, Utah
 Thielke, Lawrence Henry, 1 ed. Emmett
 Thomas, Elmo Benn, 2 a. Kellogg
 Thomas, Mary Elizabeth, 3 a. Gooding
 Thomas, Richard Sheridan, 3 a. Walla Walla, Wn.
 Thomason, Jesse Lenard, 3 ee. Emmett
 Thometz, Marguerite Lucille, 2 ed. Twin Falls
 Thompson, Caryl Florence, 1 a. Post Falls
 Thompson, Fred Thomas, 1 b. Burley
 Thompson, Gilbert Doveton, 1 b. Spokane, Wn.
 Thompson, Irene Delight, 3 ed. Post Falls
 Thompson, Ivan, 3 b. Moscow
 Thompson, Josephine Cecelia, 1 a. Potlatch
 Thompson, Judson Albert, 4 ag. Cascade, Mont.
 Thompson, Marie Inga, 1 a. Spokane, Wn.
 Thompson, Vining Clyde, 1 b. Moscow
 Thomson, Andrew Halleck, 2 a. Moscow
 Thomson, Margaret Isabel, 1 ed. Boise
 Thornhill, Harold Bryant, 2 b. Kellogg
 Thorsen, Elmer Oluf, 1 ag. Nezperce
 Throckmorton, James Robert, 2 ce. Twin Falls
 Throckmorton, Josephine, 4 ed. Twin Falls
 Tillotson, Robert Erwin, 2 b. Boise
 Timken, Gladys Ione, 1 ed. Kellogg
 Timken, Mildred Georgia, 3 h. Kellogg
 Timm, Margaret Leah, 4 ed. Twin Falls
 Tipton, Kenneth McClintock, 4 a. Boise
 Todd, Glenn Clayton, 1 min. Troy
 Toggstad, Charlotte Laura, 1 b. Nampa
 Tolleth, Charlotte Irene, 2 b. Meridian
 Tolleth, Dorothy Evelyn, 3 h. Meridian
 Tomkins, Paul Brooke, 1 a. Cascade Locks, Ore.
 Toolson, Rex Noble, 2 ag. Bancroft
 Townsend, Rei Emerson, 4 ed. Sagle
 Trail, Glen Ewing, 3 ag. Middleton
 Trauger, Ersie Elizabeth, 3 a. Jerome
 Travis, Wayne Ivan, 2 ce. Wilder
 Trenary, Farrell Myers, 3 b. Kooskia
 Triplett, James Morrison, 2 a. Spokane, Wn.
 Trousdale, Martha Katherine, 1 ed. Ogden, Utah
 Tucker, Leonard John, 1 ee. Rathdrum
 Tucker, Nadine Edith, 3 a. Emmett
 Tucker, Sidney Grace, 1 m. Parma
 Tulley, Cecil Roosevelt, 3 ag. Worley
 Tulley, Miriam Gladys, 3 ed. Worley
 Tupker, Eugene Powers, 3 med. Genesee
 Tupper, Alta, 2 ed. Weippe
 Tupper, Amy, 3 ed. Weippe
 Turinsky, Otto, 3 ch. Sandpoint
 Turner, Bernice Irene, 3 ed. Nampa
 Turner, Joseph Edward, 2 b. Bruneau
 Turner, Nell Adelaide, 3 h. Bruneau
 Turner, Thomas Samuel, 1 ed. Caldwell
 Tuttle, Leah Rachel, 3 s. Walla Walla, Wn.
 Tuttle, Russell Lowell, 4 ch. Moscow
 Uglem, Harold Arnold, 1 f. Clarkston, Wn.
 Uhl, Orvil Michael, 3 ce. Cottonwood
 Uranga, Juanita, 2 a. Boise
 Urel, Thomas Cantillon, 1 f. So. Pasadena, Cal.
 Utes, Harry Herman, 1 s. Kellogg
 Utt, Ralph Bernard, 2 met. Kellogg
 Vance, Virginia Wilda, 3 h. Mackay
 Vang, Alice Bertine, 2 b. Kellogg
 Van Orman, Pearl, 2 ed. Montpelier
 Varian, Florence Delorme, 2 ed. Weiser
 Vaupell, Helen Kathryn, 3 a. Tekoa, Wn.
 Vaurick, Pero Vernon, 1 ed. Weiser
 Vehrs, Eda Louise, 3 b. Spokane, Wn.
 Veum, Mary Belle, 2 ed. Moscow
 Vincent, Robert Clarence, 1 a. Moscow
 Virts, Dorothy Aileen, 4 b. Boise
 Voak, Helen Jane, 3 a. Boise
 von Ende, Eunice Ankeny, 4 a. Moscow
 Vorous, Eva Marion, 3 ed. Lewiston
 Voshell, Robert Ellwood, 1 a. Colfax, Wn.
 Waddell, Robert Malcolm, 1 f. S. Ardmore, Pa.

Wadsworth, Alice Lenora, 3 a	Kellogg	Widner, Floyd, 3 ag	Moscow
Waggoner, Walter Lowell, 1 me	Lewiston	Wiks, David Louis, 2 a	Coeur d'Alene
Wahl, Edward Ronald, 2 a	Genesee	Wilcox, Harley Morris, 4 s	Coeur d'Alene
Walden, Harry Arthur, 1 b	Bonnors Ferry	Wilcox, Percy Soper, Jr., 2 med.	St. Anthony
Walden, Percy Bertram, Jr., 2 ee	Coeur d'Alene	Wilde, Marvin Booth, 2 f	Moscow
Waldrop, Alice Martha, 3 a	Parma	Wiley, John Richard, 1 b	Spokane, Wn.
Waldrop, Eila Dean, 3 h	Parma	Wilkison, Wallace Burgess, 3 b	Twin Falls
Walker, Patrick Henry, 3 a	Wallace	Willi, Ann Marie, 2 b	Sandpoint
Walmsley, Wilfred Wal Wyn, 3 ed	Parma	Williams, Floyd Edward, 3 f	Rosalia, Wn.
Walrath, Theodore Marcus, 4 law	Orofino	Williams, Mary, 1 m	Montpelier
Wann, Helen Mildred, 3 ed	Lewiston	Williams, Mildred Lois, 4 ed	Fruitland
Wanous, Hildegard, sp a	Glencoe, Minn.	Williams, Ruby Jeanette, 2 h	Kellogg
Ward, Marguerite Ruthe, 3 a	Moscow	Williamson, Taylor Scott, 4 ed	Filer
Ware, Esther Couzens, 3 h	Moscow	Willis, Galen Nesbit, 1 b	Rupert
Ware, Eugene Spencer, 4 a	Coeur d'Alene	Willis, Mary Isabel, 1 a	Wallace
Ware, James Voorhees, 4 ed	Moscow	Wilson, Austin Sidney, 1 b	Payette
Warm, Elsie Anna, 1 a	Spokane, Wn.	Wilson, Betty Jane, 1 a	Twin Falls
Warm, Minnie Martha, 1 a	Spokane, Wn.	Wilson, Edgar Marion, 1 ag	Emmett
Warner, Donald Purvis, 3 b	Moscow	Wilson, James Maurice, 1 ed	Kuna
Warner, Frank Amel, 2 a	Boise	Wilson, Jessie Margaret, 1 m	Genesee
Warner, William Franklin, 1 b	Malad	Wilson, Margaret, 3 a	Moscow
Warr, Opal Isabel, 2 ed	Hailey	Wilson, Patricia, 1 a	Twin Falls
Warren, Harry Homer, 3 ed	Kooskia	Wilson, Wendell Wickham, 1 ce	Salmon
Warren, Travers Hamblin, 2 b	Mackay	Wiltamuth, Willard Francis, 1 ag	Blackfoot
Wartman, Gilbert, 2 me	Boise	Wilton, Letha Napina, 2 a	Emmett
Washburn, Ralph Raymond, 1 a	Spokane, Wn.	Wimer, John Everett, 2 ar	Wallace
Waters, Harold Arthur, 2 ag	Cottonwood	Winchester, Ruby Alta, 1 a	Mullan
Wayland, James Harold, 1 ch	Boise	Winzler, Frank Lee, 2 b	Meridian
Weber, Edmund Joseph, 1 ag	Genesee	Wiseman, Charles Leonard, 1 ag	Hansen
Wedin, Martha Rosetta, 2 h	Moscow	Wiseman, Donald Miller, 1 ee	New Plymouth
Weeks, Leon Lester, 4 ed	Boise	Wiswall, Clinton Henry, 3 ag	Jerome
Weidman, Viola Christina, 2 a	Boise	Wiswall, Helen Cochran, 1 h	Jerome
Weinmann, Attlee O., 1 f	Orofino	Woesner, Raymond Christopher, 1 f	Moscow
Weisgerber, Philip Otto, 1 me	Lewiston	Woodward, Doren Ellis, 3 f	Spokane, Wn.
Welker, Herman Orville, 3 law	Weiser	Woodward, Rhoda Margaret, 2 n	Spokane, Wn.
Wells, Katherine Ellice, 1 a	Boise	Woodworth, Lillian Gritman, 2 a	Moscow
Wells, Robert Sumner, 3 min	Colville, Wn.	Woody, Ralph Oscar, 2 ed	Kendrick
Wendle, Chud Woods, 1 a	Sandpoint	Wright, Calvin Everett, 1 a	Burley
Wendle, Cornelius Clinton, 4 med	Sandpoint	Wright, Mildred Christine, 1 h	Buhl
Wendle, Rex, 3 f	Sandpoint	Wright, Robert Glenn, 3 b	Hailey
Werner, Arthur Vincent, 1 ce	Moscow	Wruble, Joseph Edwin, 1 g	Northport, Wn.
Werner, Ervin LaVerne, 1 ee	Moscow	Wunderlich, Herbert John, 4 a	St. Maries
Werner, Frederick Victor, 1 ce	Moscow	Yaggy, Elinor May, 3 a	Nampa
Werner, Paul Everett, 1 ce	Moscow	Yarborough, Ethel Algera, 4 h	Moscow
Werner, Violet Myrtle, 1 a	Moscow	Yearsley, Wilbur Lewis, 2 b	Moscow
West, Kathryn Hazel, 1 b	Spokane, Wn.	Yenney, Lewis Rufus, 1 f	Kooskia
Westcott, Wilburn Rex, 2 b	Kellogg	Yeo, Lora Madeleine, 1 ed	Seattle, Wn.
Westover, Dora Gladys, 1 ed	Sheridan, Wyo.	York, Bryce Herbert, 1 b	Blackfoot
Wetherbee, Ray Eckler, 2 ed	Chicago, Ill.	York, Catherine Adema, 1 b	Boise
Wheeler, Harold Richard, 1 m	Boise	Yost, George Lee, 4 b	Boise
Wheeler, Helen Grant, 4 a	Spokane, Wn.	Yost, Harry L., 1 b	Boise
White, Dana Homer, 2 b	Bonnors Ferry	Young, Burris Lester, 3 ag	Moscow
White, Daniel Lamont, 1 a	Mountain Home	Young, George Croshaw, 4 ed	Pocatello
White, Donald William, 1 a	Eden	Young, Helen Anna, 1 a	Rathdrum
White, Edward Arthur, 1 a	Lewiston	Young, Walter Russell, 1 ed	Caldwell
White, Evelyn May, 1 a	Kimberly	Young, Thomas Herman, 4 a	Davis, Okla.
White, Freda Virginia, 2 a	Boise	Young, Wilford Roscoe, 1 b	Rathdrum
White, Marion McLachlan, 3 h	Lewiston	Youngs, Lyman Gustin, 1 ce	Moscow
White, Marjorie Alice, 1 a	Coeur d'Alene	Yribar, Stackeal, 3 b	Boise
White, Russell Conwell, 3 s	Salmon	Zablow, Nathan Philip, 3 a	Moscow
Whitenack, Dorothy Thorpe, 3 m	Shoshone	Zeimantz, Lucille Ann, 1 n	Mondovi, Wn.
Whiteside, Ruby Jayne, 1 a	Moscow	Zener, Milton Edward, 3 law	Pocatello
Whiting, Harry Lester, sp f	Coolin	Zieman, Daniel Henry, 2 med	Southwick
Whiting, Mary Moreland, 1 ed	Coolin	Zirbel, Donald Benjamin, 1 ch	Lewiston
Whitman, Eugene Winfield, 4 ag	Soda Springs	Zoerb, Ernest Ludwig, 1 f	LaCrosse, Wis.
Whittaker, Chester G. I., 2 b	Weiser	Zundel, Reed, 3 law	Malad
Wiberg, Eleanore June, 1 a	Lakeview		
Wickstrand, Herbert Leonard, 1 b	Potlatch		

TOTAL UNDERGRADUATES, 1831

SPECIAL STUDENTS IN MUSIC

Baken, Harriet, <i>Piano</i>	Moscow	Kennard, Patricia, <i>Violin</i>	Moscow
Brody, Ruth, <i>Voice</i>	Moscow	Lee, Alice, <i>Violin</i>	Moscow
Chenoweth, Mary, <i>Voice</i>	Moscow	Lee, Marie, <i>Piano</i>	Moscow
Collins, Kathryn, <i>Piano</i>	Moscow	Marden, Dan, <i>Violin</i>	Moscow
Diethelm, Florence, <i>Violin</i>	Moscow	Oleson, Margaret, <i>Piano</i>	Moscow
DuSault, Frances, <i>Piano</i>	Moscow	Pitzen, Violet M., <i>Piano</i>	Moscow
Eisinger, Elsa, <i>Piano</i>	Moscow	Ramstedt, Agnes, <i>Voice</i>	Moscow
Eldridge, Grace, <i>Piano</i>	Moscow	Smith, Evangeline, <i>Violin</i>	Moscow
Frei, Mabel, <i>Piano</i>	Moscow	Stanton, Richard, <i>Piano</i>	Moscow
Harshman, Laura, <i>Voice</i>	Moscow	Sterner, J. Lionel, <i>Violin</i>	Moscow
Helfert, Jessie, <i>Piano</i>	Moscow	vonEnde, Carl, <i>Violin</i>	Moscow
Irwin, Leora, <i>Violin</i>	Potlatch	Wicks, Genevieve, <i>Piano</i>	Moscow

TOTAL SPECIAL STUDENTS IN MUSIC, 24

MOSCOW SUMMER SCHOOL, 1927

(Exclusive of Graduate Students)

Addington, Lucile Elbert.....	Lewiston	Hanford, Russell Bratton.....	Oakesdale, Wn.
Allen, Carol Fay.....	Boise	Hansen, May Florence.....	Moscow
Allen, Frances Anne.....	White Bluffs, Wn.	Harland, Josephine Amy.....	Troy
Allen, James Kenneth.....	White Bluffs, Wn.	Haroldsen, Alice.....	Idaho Falls
Allen, Nora E.....	White Bluffs, Wn.	Hasfurther, Bernadine Edna.....	Genesee
Alley, Alice Virginia.....	Lewiston	Hauck, Bertha Louise.....	Moscow
Ames, Gertrude Angeline.....	Heyburn	Hawkins, Janet Adena.....	Emmett
Angell, Virginia Gilbert.....	Moscow	Hayes, Teresa Sullivan.....	Moscow
Ball, Leona Nessly.....	Moscow	Hays, Amanda Alice.....	Boise
Becker, Elizabeth Mary.....	Moscow	Helfert, Jessie.....	Moscow
Beeson, LaReta Beryl.....	Buhl	Hoisington, Carl Wallace.....	Moscow
Bell, Bessie Amelia.....	Boise	Howe, Lucille Caroline.....	Moscow
Bernard, Violet Florence.....	Kellogg	Humphrey, Mary King.....	Moscow
Booth, Anna M.....	Sandpoint	Humphreys, Josephine Elizabeth.....	Moscow
Brabb, Clarence Virgil.....	Buhl	Hunter, Helen Hammo.....	Moscow
Brainard, Rex Charles.....	Moscow	Jenifer, Katherin Margaret.....	Lewiston
Bridgman, Netta Lois.....	Jerome	Johnson, Berkley Gerrald.....	Salmon
Brossard, Stella Josephine.....	Rigby	Jones, Esther Katherine.....	Spokane, Wn.
Brown, Pauline Hester.....	Homedale	Jones, Harry Edward.....	Spokane, Wn.
Burney, Ruth Swan.....	Tehuacana, Tex.	Jones, Maybelle Alice.....	Spokane, Wn.
Burton, Miriam.....	Moscow	Jungstrum, Charles Richard.....	Moscow
Calkins, Wesley Emil.....	Lapwai	Kelberg, Theodore Roosevelt.....	Troy
Carey, Alice Mary.....	Moscow	Kennard, Patricia.....	Moscow
Carmel, Sister Mary.....	Moscow	Kerr, Helen Josephine.....	Moscow
Carney, Helen Elizabeth.....	Moscow	King, Ruby Carol.....	Moscow
Carter, Carrell Neva.....	Moscow	Knipe, Hollice Winifred.....	Moscow
Christenson, Esther Jeanette.....	Moscow	Knoll, Lee Elbert.....	Spokane, Wn.
Click, Lucille Dean.....	Bovill	Kulstad, Alam Sirjord.....	Bejou, Minn.
Click, Leo Ennes.....	Bovill	Lappin, Ruth Viola.....	Council
Cornelison, Meroe Esther.....	Moscow	Larson, Edith Marie.....	Coeur d'Alene
Davidson, Mary Cecelia.....	Spokane, Wn.	Larson, Leone Marguerite.....	Spencer, Ia.
Dawald, Lorenz Merton.....	Onalaska, Wn.	La Rue, Ethel King.....	Moscow
Dean, Walter Judson.....	Moscow	La Veine, Maud Estelle.....	Harrison
Dhillon, Hardit Singh.....	Punjab, India	Layne, Claude.....	Buhl
Downey, Margaret Helen.....	Springdale, Wn.	Lee, Alice.....	Moscow
Eakin, Zaida Leila.....	Moscow	Lee, Cecile Marguerite.....	Moscow
Elliott, Edith D.....	Moscow	Lee, Harold Eugene.....	Medford, Mass.
Enders, Bessie Ingalls.....	Post Falls	Lennox, Edith Gertrude.....	Moscow
Equals, Edward Walter.....	Payette	Lichtenberg, Ora Irene.....	Alta, Ia.
Erickson, Evelyn Irene.....	Moscow	Livingston, Sylvia Josephine.....	Spirit Lake
Ewing, Arlene Evelyn.....	Sandpoint	Lowe, E. Marguerite.....	Twin Falls
Faulkner, Jonas Craton.....	Moscow	Lower, Dena Agnes.....	Colbert, Wn.
Featherstone, Frances.....	Moscow	Lowry, William James.....	Plummer
Fowler, Ida Shea.....	Moscow	McGrane, Frank Thomas.....	Grangeville
Frizelle, Harriette Jane.....	Coeur d'Alene	McMonigle, Edward B.....	Boise
Gamble, Lola.....	Moscow	Melgard, Alice Gladys.....	Moscow
Gillett, Lois Alyda.....	Moscow	Melgard, Thelma Solveig.....	Moscow
Gillette, Gayle Iva.....	Moscow	Messenger, Dorothy Elizabeth.....	Moscow
Good, Nimrod.....	Rigby	Miller, Cleo Ferrol.....	Moscow
Gooding, Grace Lillian.....	Weiser	Miller, Lois Ailene.....	Moscow
Green, Jennie A.....	Farmington, Wn.	Milliken, Helen Elizabeth.....	Nampa
Green, Margie Vera.....	Troy	Minden, Edna Henrietta.....	Clarkston, Wn.
Gregory, Gladys Fae.....	Moscow	Mitchell, John William.....	Parma
Gregory, Ada Mary.....	Julietta	Montgomery, John Frank.....	Rupert
Groseclose, Arta Lozalia.....	Julietta	Montgomery, Warren James.....	Boise
Hall, Jess Lee.....	Coeur d'Alene	Morris, Mary Mabel.....	Spokane, Wn.

LIST OF STUDENTS

311

Mortenson, Anna Fananda.....	Moscow	Simpson, Elizabeth Therese.....	Moscow
Murphy, Mary Elizabeth.....	Buhl	Smith, Bernice Winters.....	Moscow
Nelson, Emma Viola.....	Moscow	Smith, Chandler Wickersham.....	San Marcos, Tex.
Nichols, Erma Lucile.....	Spokane, Wn.	Smith, Charlotte Ellen.....	Moscow
Oliver, Mary Elizabeth.....	Moscow	Soelberg, Charles Edwin.....	Idaho Falls
Oliver, Marguerita Isabelle.....	Moscow	Sokolnikoff, Annie.....	Moscow
Oller, Gladys Hilma.....	Moscow	Stanbery, Stanley William.....	Grangeville
Otness, Herman.....	Moscow	Swanson, Roland Waldemar.....	Coeur d'Alene
Ouse, Hazel May.....	Genesee	Taggart, Goldie Moore.....	Tekoa, Wn.
Paroz Henriette Marguerite.....	Potlatch	Terhune, Mary Catherine.....	Burley
Perry, Mildred Eleanor.....	Wenatchee, Wn.	Terry, Maurine Reynolds.....	Nezperce
Pence, Katherine.....	Payette	Throckmorton, Josephine.....	Twin Falls
Peterson, Opal Kinnier.....	Moscow	Thomas, David Williams.....	Malad
Planski, Agatha Tierney.....	Moscow	Tovey, Kenna Mae.....	Malad
Pomeroy, Harriett Tempa.....	Boise	Trauger, Ersie Elizabeth.....	Bellevue
Prentice, Della R.....	Jerome	Varian, Florence Delorme.....	Weiser
Prouty, Charles Clarence.....	Moscow	Veasey, Helen Maud.....	Moscow
Randall, Ruth Louise.....	Lapwai	von Ende, Carl.....	Moscow
Remsberg, Ruth Elizabeth.....	Rupert	Ware, Esther M.....	Moscow
Richardson, Ferol Anna.....	Moscow	Ware, James Voorhees.....	Moscow
Riddle, William Dixie.....	Moscow	Warlick, Agnes Idell.....	Peck
Rietze, Florence Ethel.....	Moscow	Waters, Silas Arthur.....	Moscow
Ridge, Susie May.....	Moscow	Webb, Anna Maude.....	Gifford
Rindy, Myrtle Angeline.....	Moscow	Wendle, Cornelius Clinton.....	Sandpoint
Rinehart, Edward Franklin.....	Boise	Yarborough, Ethel Algera.....	Moscow
Rippe, Oscar Hjalmar.....	Boise	Zablow, Nathan Philip.....	St. Maries
Rodgers, Beryl.....	Moscow	UNDERGRADUATES AND SPECIAL STUDENTS IN	
Rubie, Harry Charles.....	Johnson, Wn.	MOSCOW SUMMER SCHOOL.....	
Russell, Lois Elwood.....	Moscow	GRADUATES IN MOSCOW SUMMER SCHOOL.....	
Shira, Ruth Elizabeth Munro.....	Grangeville	TOTAL AT MOSCOW SUMMER SCHOOL.....	
Simmons, William Harland.....	Burley		

BOISE SUMMER SCHOOL, 1927

Adams, Wallace.....	Weiser	Kleinkopf, Edith B.....	Eden
Ady, Virginia Lee.....	Payette	Kleinkopf, Maude F.....	Roseworth
Athey, Carolyn Regan.....	Boise	Knowlton, Margaret.....	Nampa
Bacon, Ruby Carolyn.....	Boise	Lemon, O. W.....	Boise
Beal, Marjorie E.....	Boise	Maberly, Grace Madeline.....	Boise
Black, J. Ellis.....	Boise	Maloney, Mary Catherine.....	Nampa
Blacker, Sarah G.....	Nampa	Mason, Maude M.....	New Plymouth
Brenn, Laura M.....	Boise	Miller, Helen Lain.....	Caldwell
Brooks, Bendell L.....	Boise	Mitchell, Margaret E.....	Boise
Browning, Ernest Preston.....	Eden	Moffatt, Willis C.....	Boise
Browning, Mae Ruth.....	Eden	Niece, Herbert T.....	Boise
Burtenshaw, Alice A.....	Boise	Paine, Carol Margaret.....	Boise
Chaffee, Eugene Bernard.....	Boise	Pratt, Blanche S.....	Burley
Cobb, Lavilla.....	Boise	Pugmire, Enid.....	Idaho Falls
Coston, Helen.....	Boise	Radloff, Muriel Mabel Beamer.....	Boise
Cowin, Cleon C.....	Nampa	Ray, Ona.....	Sulphur, Okla.
Cox, Ethel.....	Boise	Ross, William Crosby.....	Boise
Davidson, Viola.....	Pocatello	Sawyer, John Henry.....	Boise
Cunningham, Margaret.....	Boise	Shaw, Zoa Laurana.....	Corral
Doerr, Maurice John.....	Boise	Shuee, Lela M.....	Caldwell
Eldridge, Alva Ruth.....	Boise	Smith, Lulu Mable.....	Boise
Francis, Elsie M.....	Boise	Steward, Elizabeth Gilbert.....	Twin Falls
Grey, George V.....	Boise	Thompson, Emma Dill.....	Boise
Haley, Jennie May.....	Boise	Turner, Winifred Marie.....	Burley
Hillman, John I.....	Boise	Virts, Dorothy.....	Boise
Howard, F. McElwain.....	Boise	Watson, Thomas S.....	Boise
Hunter, Genevieve.....	Lewisville	Williams, Saramae.....	Boise
Jones, Rebecca.....	Meridian	Wilson, Ivy M.....	Boise
King, Richard Duncan.....	Boise	Yeek, Lois Ellen.....	Boise
Kleinkopf, Arthur M.....	Eden	TOTAL IN BOISE SUMMER SCHOOL, 60	
Kleinkopf, Clark E.....	Roseworth	TOTAL IN SUMMER SCHOOL, 287	

NON-RESIDENT STUDENTS

Ady, Virginia Lee.....	Boise	Anderson, Donald Brown.....	Moscow
Allen, Harold.....	Ontario, Cal.	Anderson, Lucille Elizabeth.....	Spokane, Wn.
Allen, James Kenneth.....	White Bluffs, Wn.	Anderson, Mabelle Imogene.....	Moscow
Allen, Mabelle McConnell.....	Boise	Arlington, Irma.....	Jerome
Allison, Lora Marie.....	Caldwell	Avery, Harry Grant.....	LaGrande, Ore.
Alphonsa, Sister Mary.....	Keuterville	Axtell, Mildred Marion.....	Moscow
Amey, Fannie.....	Ripley, Okla.	Baird, John Cecil.....	Spokane, Wn.

Baird, Katherine E.	Boise	Finch, Marguerite	Seattle, Wn.
Barnes, Grace Evelyn	Rathdrum	Fisher, E. Mills	Lewiston
Barnhart, Gussie M.	Republic, Wn.	Fisher, Ernest Leroy	Moscow
Beardmore, Vivienne Lucille	Lapwai	Fisher, Gladys	Mackay
Becher, Edmund Theodore	Coeur d'Alene	Fisher, Mary Frances	Weiser
Becker, Elizabeth M.	Moscow	Fisher, McLean	Lewiston
Becker, Margaret Claire	Genesee	Fitschen, Juanita	Boise
Beeson, LaReta Beryl	Walla Walla, Wn.	Fleming, Bernard	Spokane, Wn.
Benjamin, Clarice	Salmon	Foley, Madeline Eleanore	Bonnors Ferry
Benson, Maybelle Larkin	Lewiston	Fox, Margaret M.	Moscow
Bever, Melba	Lewiston	Freeman, LeRoy Esten	Meadows
Bjornson, Bernice Thordis	Rupert	Frizelle, Harriette Jane	Coeur d'Alene
Blackburn, Edmund Glenn	New York, N. Y.	Fry, Hiram Durward	Dietrich
Blakeman, Alice L.	Reubens	Gamble, Lola	Moscow
Booth, John M.	Sandpoint	Garner, Verda	Lewiston
Bowen, Elizabeth Clark	Boise	Geddes, Zola	Winchester
Bowler, Martha B.	Gooding	Glass, Samuel N.	Nampa
Bradshaw, Edith	Payette	Gooding, Grace Lillian	Weiser
Bronson, William Spencer	Mullan	Gorman, Aileen Saine	Jerome
Brossard, Stella Josephine	Rigby	Grabner, Paul John	Coeur d'Alene
Brown, McDonald Ross	Reubens	Grant, Virginia Lucille	Everett, Wn.
Brown, Pauline H.	Homedale	Greenwood, Lewis C.	Waverly Wn.
Brown, Robert Eugene	Arco	Gregory, Ada Mary	Juliaetta
Bryant, Eula Audrey	Orofino	Gunnerson, Luella Ethel	Moscow
Bryant, Velda G.	Green Creek	Haga, Margaret Virginia	Boise
Buckles, Nellie	Lewiston	Haggerty, Eliza G.	Tensed
Budrow, Delilah Margaret	Bancroft	Hamilton, John Brindley	Moscow
Burke, Mary P.	Spokane, Wn.	Hanley, Anna Teresa	Cottonwood
Burton, Edith Wilma	Emmett	Hansen, May Florence	Moscow
Cadigan, William G.	Spokane, Wn.	Hansen, Oscar Earl	Oakley
Caldwell, Ruth	Cambridge	Hanson, Effie V.	Moscow
Campbell, Edna E.	Nampa	Harley, Celesta	Mountain Home
Campbell, Helen Verna	Moscow	Harman, Warren J.	Leland
Carnie, Alice Barnum	Mica	Haroldsen, Alice	Moscow
Carter, Carrell Neva	Moscow	Harrington, Eldred Ray	Shoshone
Chaney, Bessie Frances	Grangeville	Hasfurther, Bernadine	Genesee
Chessman, Violet B.	Lewiston	Haut, Irvin Charles	Mitchell, S.D.
Childs, Floyd	Bloomington, Ind.	Hayes, Teresa S.	Moscow
Clark, Claude	Juliaetta	Hays, Arthur Homer	Boise
Clark, Ertel Vaughn	Salmon	Hays, Bertram Zollinger	Corvallis, Ore.
Clark, Laura Alice	Filer	Hays, Samuel Dent	Kimberly
Clark, Laura E.	Boise	Hayward, Doyle Edson	Moscow
Clemens, Doris Frances	Mohler	Hawkins, Janet Adena	Emmett
Click, Frank Wardin	Moscow	Helfert, Jessie	Moscow
Clinton, Dorlaska	Buhl	Hesslein, Joe	Hayden Lake
Cook, David W.	Everett, Mass.	Hill, Ralph Dan	Spirit Lake
Cook, Marguerite	St. Joe	Hirschler, Arthur E.	Eden
Collette, Jean	Burley	Hockaday, Pauline	Rupert
Coughlan, Harry W.	Montpelier	Holmstead, George F.	Logan, Utah
Cox, Phillip W.	Kellogg	Honeywell, Alene	Orofino
Cunningham, Florence	Moscow	Hove, Ella	Moscow
Darby, Laura I.	Moscow	Howard, Bernice	Lewiston
Darrah, William E.	Lewiston	Howard, Forrest Hayden	Pocatello
Davidson, Capitola Brown	Moscow	Humphrey, Thomas Watson	Twin Falls
Dawald, Lorenz Merton	Juliaetta	Huston, Edith Rosina	Mullan
Denny, Ruth M.	Nezperce	Irish, Egberta Florence	Coeur d'Alene
Devery, Frank E.	Moscow	Isaman, George R.	Craigmont
Downey, Margaret Helen	Blackfoot	Jacoby, Glenn	Bovill
Dunn, Julia M.	Wallace	Jewett, Milton R.	Caldwell
Durant, Opal L.	Lewiston	Johnson, Lyna H.	Hagerman
Eakin, Zaida Leila	Moscow	Johnson, Olga	Salmon
Easter, Bernice	Cabinet	Jones, Jean M.	Moscow
Easter, Katie Bell	Heron, Mont.	Jones, John Richard	Moscow
Eaton, Frances Lucile	Emmett	Jones, Kenneth E.	Wilder
Eaton, Ruth Viola	Wendell	Jones, Maybelle Alice	Grangeville
Elder, Constance Elizabeth	Coeur d'Alene	Jones, Neil M., Jr.	Moscow
Elder, Margaret	Coeur d'Alene	Jungstrum, Charles Richard	Moscow
Ellingson, Kathryn	Twin Falls	Kail, Clara	Twin Falls
Enders, Bessie Ingalls	Post Falls	Kalinowski, Weldon	Moscow
Equals, Edward W.	Payette	Kalousek, George Lawrence	Mullan
Erickson, Mabel D.	Lewiston	Keith, Mark Mariam	Nordman
Ernsberger, Edward L.	Rathdrum	Kennedy, Lois Gordon	Chicago, Ill.
Evans, Rhoda Louise	Downey	Kenny, Whitney Joseph	Spokane, Wn.
Farr, Milan Aquilla	Moore	Kernkamp, Blanche A.	Wallace
Faulkner, J. Craton	Moscow	Kerr, Chester Raymond	Moscow
Featherstone, Charles Thayer	Moscow	Kerr, James G.	Idaho Falls
Felt, Rose D.	Twin Falls	King, Laura Edna	Lewiston

LIST OF STUDENTS

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Lansdon, Floyd Wilbur	Boise	Romrell, Alfred Ervin	Rexburg
Lappin, Ruth Viola	McCammon	Rondeau, Nora Agnes	Harrison
Larson, Ethel	Coeur d'Alene	Roodhouse, J. R.	Nampa
Lee, Cecile Marguerite	Orofino	Ross, Alice Lyle	Nampa
Lee, Patricia Edith	Boise	Ross, Thomas Roderick	Ione, Wn.
Leistner, Lillie M.	Palouse, Wn.	Rowe, Paul William	Salmon
Lennox, Edith Gertrude	Moscow	Rowell, Ruth Lois	Lewiston
Leute, Frank Anthony, Jr.	Pocatello	Rugg, Barbara Jane	Buhl
Lewis, Ruth	Meridian	Ruhl, William E.	Kooskia
Lockwood, Milton Cutts	Orofino	Rutland, Alyce	Moscow
Long, Jere James	Milner	Sanders, Everett Claude	Rathdrum
Lowe, Marguerite	Twin Falls	Schmid, Elsie Christina	New Plymouth
Luzadder, Helen Wilson	Nampa	Schmitz, Lawrence Donald	Cambridge
Maberly, Grace	Boise	Scholtz, Erma Marilyn	Seattle, Wn.
Madson, Marvel	Coeur d'Alene	Severance, Clarabelle	Dillon, Mont.
Maeser, Earl	Weston	Shaw, Frank E.	Vale, Ore.
Manion, Orville M.	Meridian	Shea, Doris Naoma	Moscow
Martin, Robert R.	Seattle, Wn.	Sheehan, John Edward	Boise
Matthews, Howard F.	Moscow	Shepherd, Jennie E.	Weiser
McAtee, Margaret	Rupert	Shira, Ruth Elizabeth	Blackfoot
McConnell, Evelyn Frances	Wendell	Shirk, Marlys Arlene	Moscow
McCown, Holly Jones	Palouse, Wn.	Silverthorne, Glenn	Lewiston
McDonald, Alice Isabel	Lewiston	Simmons, Agnes Louise	Kellogg
McMonigle, Edward B.	Moscow	Simon, Clara Bernice	Cottonwood
McNall, Frances	Emida	Simon, Sara Irene	Cottonwood
McNaughton, Marjorie	Coeur d'Alene	Simpson, Marjorie Darlene	Ashton
Mendenhall, Millen H.	Central	Sloan, Frances Pearl	Nampa
Miller, Charles Stewart	Ontario, Ore.	Slotten, Mary Corbin	Coeur d'Alene
Miller, John Smith	Moscow	Smith, Charlotte E.	Spokane, Wn.
Miller, Sherman	San Mateo, Cal.	Smith, Elizabeth Alice	Salmon
Minden, Edna	Clarkston, Wn.	Smith, Irene Wells	Moscow
Mitchell, Opal M.	Reubens	Smith, J. Russell	Driggs
Montgomery, John Frank	Boise	Sokolnikoff, Annie	Moscow
Montgomery, Warren J.	Boise	Southworth, Harry Fox	Prescott, Ariz.
Moore, Burton L.	Boise	Spain, Mrs. James	Reubens
Moore, Troy	Buhl	Specht, Edward J.	Priest River
Moran, William James	Bellevue	Spyres, Ruth	Burke
Morgan, Velma Eloise	Twin Falls	Stanbury, Stanley	Winona
Mueller, Margaret	Moscow	Stoner, Edna	Burke
Murphy, Mary Elizabeth	Buhl	Story, Ruth Gladys	Burley
Neis, Agnes	Grangeville	Stowell, Harold Bowman	Pocatello
Nelson, Helen E.	Moscow	Stuart, Dorothy Arnold	Kamiah
Nichols, Erma Lucile	Spokane, Wn.	Stucky, Harold Ralph	Filer
Nogle, Archie	Unga, Alaska	Stringfellow, Walter Pendleton	Boise
Nogle, Mary	Unga, Alaska	Sturmer, Anne E.	Sandpoint
Olson, Kenneth E.	Moscow	Sullivan, Cleland Garnet	Twin Falls
Ott, June Marie	Naples	Sumsion, Sara	Chester, Utah
Paisley, Mary Isabel	Spokane, Wn.	Suppiger, Eleanor B.	Moscow
Parker, Caroline Annette	Moscow	Sutherland, Grace Irene	Lewiston
Parkinson, B. R.	Bancroft	Swain, Ruth Tefft	Craigmont
Peck, Lawrence Layne	Buhl	Swanson, Roland W.	Coeur d'Alene
Peck, Virginia Inadine	Buhl	Taggart, Goldie Moore	Tekoa, Wn.
Pederson, Waldemar	Burlingame, Cal.	Talbott, Curtis L.	Moscow
Pence, Katherine	Payette	Tate, Evelyn G.	Kimberly
Perkins, Harriett E.	Lewiston	Taylor, Florence Catherine	Grangeville
Peterson, Sophie	Plummer	Taylor, Helen C.	Twin Falls
Phelps, Myron B.	Featherville	Taylor, Lois Elizabeth	Weiser
Phelps, Norris McDonald	Featherville	Teater, Arthur Sherman	Weiser
Pierce, Lyle R.	Seattle, Wn.	Terhune, Mary Catherine	Burley
Platt, W. Emerson	Moscow	Thomas, David Williams	Malad
Potter, Addie Myrtle	Barber	Thomas, Florence Gregory	Payette
Poulton, Elizabeth	Churchill	Thometz, Marguerite	Twin Falls
Povey, Kathleen	Kimberly	Thorsen, Elmer O.	Nezperce
Powell, Dorothy	Huntington Park, Cal.	Throckmorton, Josephine	Moscow
Pringle, Montezella	Boise	Thurston, Ralph V.	Payette
Rach, Edna	Moscow	Timken, Gladys Ione	Kellogg
Reed, Vivian	Clarkston, Wn.	Timm, Margaret Leah	Twin Falls
Reeds, Frank Anton	Fort Scott, Kan.	Titus, Elmore Philip	Helena, Mont.
Reget, Harry Daniel	St. Louis, Mo.	Town, Altha M.	Granite
Rice, Alice	Pocatello	Tupper, Alta	Moscow
Rice, Neva Margaret	Nampa	Tuttle, Leah	Moscow
Rietze, Florence Ethel	Moscow	Tuttle, Russell	Moscow
Rindy, Myrtle A.	Moscow	Ullery, Alice Ball	Paradise, Cal.
Rippe, Oscar H.	Moscow	Underdahl, Pearl	Moscow
Robbins, Gladys B.	Blackfoot	Van Patten, Myndert Muse	Buhl
Rockwell, C. A.	Boise	Veasey, Helen Maud	Moscow
Roe, Ann Marie	Coeur d'Alene	Vivian, Olive	Clarkston, Wn.

Ward, Emma Adams.....	Nampa	Williams, Rachael M.....	Colorado Springs, Colo.
Warlick, Agnes Idell.....	Peck	Wills, Bertha.....	Rupert
Watson, Isabel.....	Tekoa, Wn.	Wilson, Margaret.....	Moscow
Webster, Lucy.....	Kimberly	Woodall, Winifred.....	Nampa
Weholt, Carl Alfred.....	Uniontown, Wn.	Yeo, Madaleine.....	Seattle, Wn.
Wheeler, Helen Grant.....	Millwood, Wn.	Yeomans, Arthur J.....	Gooding
White, Freda Virginia.....	Boise	Young, George Croshaw.....	Pocatello
Whiting, H.L.....	Spokane, Wn.	Young, Thomas Herman.....	Davis, Okla.
Whitman, Eugene Winfield.....	Soda Springs	Zablow, Nathan Philip.....	Moscow
Wickstrand, Herbert Leonard.....	Potlatch	Zumwalt, Georgia Greta.....	Gifford
Wiks, David Louis.....	Kettle Falls, Wn.	Zumwalt, Glatha.....	Moscow
Williams, Ralph Lowe.....	Gifford		

NON-RESIDENT STUDENTS, 345

POULTRY SHORT COURSE

Anderson, Mary S.....	Moscow	Henley, Mrs. Lillie E.....	Moscow
Bakkensen, Pearl L.....	Moscow	Linville, Eva Boyle.....	Burley
Broun, John A.....	Payette	McCoy, E.....	Boise
Fitzsimmons, George W.....	Lewiston	Mingo, Mrs. D. M.....	Moscow
Goddard, Mrs. Wesley.....	Moscow		

POULTRY SHORT COURSE, 9

TRACTOR SHORT COURSE

Bolstad, John I.....	Moscow	Nebelsieck, John H.....	Genesee
Chase, Charles Leslie.....	Palouse, Wn.	Paul, Harold.....	Moscow
Chase, Clyde L.....	Palouse, Wn.	Paul, Lawrence.....	Moscow
Churchill, Alton Clifford.....	Palouse, Wn.	Pettibone, George Henry.....	Grangeville
Christenson, Clarence N.....	Moscow	Rathbun, Arthur.....	Moscow
Fountain, Edward.....	Moscow	Shriver, G. H.....	Moscow
Girard, Frank.....	Colton, Wn.	Spence, Edgar Byron.....	Palouse, Wn.
Jacot, Ellie D.....	St. Maries	Stallings, Maurice.....	Moscow
Kumos, Elmer.....	Arling	Wallace, Dale.....	Moscow
Leng, Carl P.....	Squirrel	Wedin, Lawrence E.....	Moscow
Little, Orin Allen.....	Moscow		
McDonald, Joseph B.....	Fenn		

TRACTOR SHORT COURSE, 22

FOREST RANGERS

Acker, Milton E.....	Riddle, Ore.	Nichols, G. Kenneth.....	Point Pleasant, N. Y.
Bartels, Harry E.....	White Swan, Wn.	Robinson, Darrel Melvern.....	Portland, Ore.
Bradley, Glenn Strawn.....	Salmon	Rodley, Oscar S.....	Looking Glass, Ore.
Daly, Roy O.....	Delano, Cal.	Runyan, Verne R.....	Moscow
Dickerson, George W.....	Moscow	Strand, Paul H.....	Hot Springs, Mont.
Hall, Nelson E.....	Sandpoint	Treat, Norbert S.....	Priest River
Molloy, Bartley Theron.....	Halfway, Ore.	Vuurman, Herman C.....	Usk, Wn.
Naegeli, Warren W.....	Hoopie, N. D.	Wood, Marshall.....	Plains, Mont.
Nelson, Frank A.....	Irwin		

FOREST RANGERS, 17

AUTO MECHANICS

Beckwith, Donald Charles.....	Moscow	Lewis, Adrain.....	Weippe
Doyle, Louis.....	Moscow	Paroz, Andrew A.....	Moscow
Gregersen, Hans J.....	Moscow		

AUTO MECHANICS, 5

SCHOOL OF PRACTICAL AGRICULTURE

First year 1; second year 2; dairy course d		Larsen, Carl, d.....	Moscow
Ayers, Jack, 1.....	Meridian	McCandless, Earl M., 2.....	Nampa
Butler, Clarence Arthur, d.....	Coeur d'Alene	Mollers, Hubert M., d.....	Lakeville, Minn.
Cay, David L., d.....	Moscow	Pennoyer, James Kline, 1.....	Chicago, Ill.
Curts, Roy William, 2.....	Cambridge	Schneider, Eugene Everet, d.....	Oakesdale, Wn.
Driskell, Jasper Loyd, d.....	Nampa	Shattuck, Winthrop, 1.....	Garfield, Wn.
Ewing, Robert M., 1.....	Kenmore, N. D.	Wells, Earl R., d.....	Moscow
Harris, Herbert Kendall, 1.....	Lewiston	West, Kenneth Myron, 1.....	Medimont
Hostetler, Leo Franklin, d.....	Nampa		
Kinkade, James R., 1.....	King Hill		
Laird, Thomas C., d.....	Moscow		

SCHOOL OF PRACTICAL AGRICULTURE, 9

FIVE MONTHS' DAIRY, 9

GEOGRAPHICAL DISTRIBUTION
OF STUDENTS

SUMMARY

	College	Non- Resident	Special Courses	Summer School
Idaho	1647	287	74	258
States other than Idaho	238	56	21	28
Territories and For- eign Countries	26	2	—	1
Total	1911	345	95	287

COUNTIES IN IDAHO

	College	Non- Resident	Special Courses	Summer School
Ada	168	22	2	52
Adams	6	1	—	1
Bannock	46	10	—	1
Bear Lake	9	1	—	—
Benewah	23	3	1	2
Bingham	23	3	—	—
Blaine	19	1	—	1
Boise	1	—	—	—
Bonner	42	7	2	4
Bonneville	30	1	1	3
Boundary	16	2	—	—
Butte	3	2	—	—
Camas	1	—	—	1
Canyon	82	12	3	12
Caribou	2	1	—	—
Cassia	38	5	1	4
Clark*	4	—	—	—
Clearwater	22	4	1	3
Custer	8	1	—	—
Elmore	11	3	1	—
Franklin	3	1	—	—
Fremont	18	1	1	—
Gem	21	3	—	2
Gooding	26	5	—	8
Idaho	30	11	1	3
Jefferson	10	1	—	3
Jerome	16	3	—	7
Kootenai	91	20	2	9
Latah	443	67	51	106
Lemhi	12	6	1	1
Lewis	32	11	—	2
Lincoln	6	2	—	—
Madison	5	1	—	1
Minidoka	26	4	—	3
Nezperce	79	22	2	8
Oneida	15	1	—	3
Owyhee	5	1	—	1
Payette	27	6	1	3
Power	3	—	—	—
Shoshone	94	10	—	1
Teton	2	1	—	—
Twin Falls	80	24	—	10
Valley	12	—	1	—
Washington	37	7	2	3
Total	1647	287	74	258

STATES OTHER THAN IDAHO

	College	Non- Resident	Special Courses	Summer School
Arizona	1	1	—	—
California	17	5	1	—
Colorado	1	1	—	—
Delaware	1	—	—	—
Illinois	7	1	1	—
Indiana	1	1	—	—
Iowa	1	—	—	2
Kansas	—	1	—	—
Kentucky	1	—	—	—
Massachusetts	3	1	—	1
Michigan	2	—	—	—
Minnesota	3	—	1	—
Missouri	—	1	—	—
Montana	12	3	2	—
New York	7	1	1	—
North Dakota	1	—	2	—
Ohio	3	—	—	—
Oklahoma	1	2	—	1
Oregon	15	4	4	1
Pennsylvania	1	—	—	—
Rhode Island	1	—	—	—
South Dakota	1	1	—	—
Tennessee	1	—	—	—
Texas	1	—	—	1
Utah	5	2	—	—
Washington	143	31	9	22
Wisconsin	2	—	—	—
Wyoming	7	—	—	—
Total	238	56	21	28

TERRITORIES AND
FOREIGN COUNTRIES

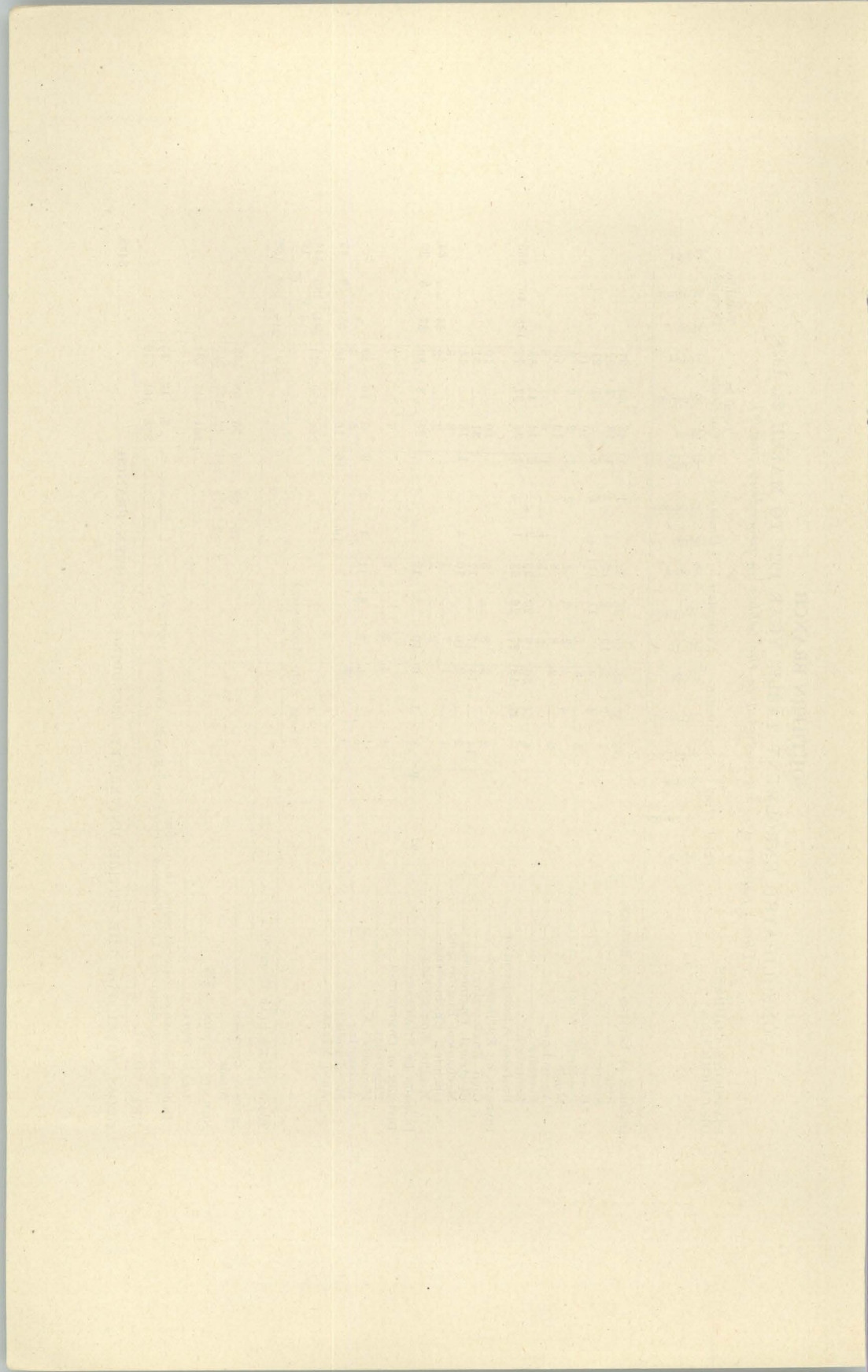
	College	Non- Resident	Special Courses	Summer School
Alaska	—	2	—	—
Canada	10	—	—	—
China	1	—	—	—
India	5	—	—	1
Philippine Islands	10	—	—	—
Total	26	2	—	1

CONSOLIDATED ENROLMENT TABLE, YEAR 1927 TO MARCH 10, 1928

COLLEGE, COURSE OR CURRICULUM	Graduates			Seniors			Juniors			Sophomores			Freshmen			Unclassed			Total by Curricula			Total by Colleges			
COLLEGE	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	
COLLEGE OF LETTERS AND SCIENCE.....	20	17	37	43	65	108	55	100	155	72	100	172	102	134	236	6	3	9				298	419	717	
Arts	10	11	21	27	43	70	29	56	85	40	65	105	57	86	143	3	2	5	166	263	429				
Science	10	7	15	9	5	14	5	6	11	7	7	14	9	5	14	3		3	43	28	71				
Pre-Medical Studies.....				6	1	7	15		15	16	1	17	24	2	26				61	4	65				
Home Economics		1	1		14	14		25	25		18	18		26	26					84	84				
Music					2	2	1	8	9	2	6	8	4	12	16		1	1	7	29	36				
Architecture				1		1	5		5	7		7	8		8				21		21				
Pre-Nursing								5	5		3	3		3	3					11	11				
COLLEGE OF AGRICULTURE.....	10		10	11		11	25		25	27		27	35	1	36	5		5				113	1	114	
COLLEGE OF ENGINEERING.....	5		5	23		23	43		43	33		33	90		90	1		1				195		195	
Civil Engineering	3		3	4		4	6		6	9		9	15		15	1		1	38		38				
Electrical Engineering				12		12	27		27	16		16	46		46				101		101				
Mechanical Engineering	2		2	3		3	2		2	5		5	18		18				30		30				
Chemical Engineering				4		4	8		8	3		3	11		11				26		26				
COLLEGE OF LAW.....				7		7	10		10	5		5										22		22	
SCHOOL OF MINES.....	4		4	8		8	10		10	15		15	16		16	1		1				54		54	
Mining Engineering				3		3	6		6	5		5	10		10	1		1	25		25				
Geology	2		2	2		2	1		1	3		3	4		4				12		12				
Metallurgy	2		2	3		3	3		3	7		7	2		2				17		17				
SCHOOL OF FORESTRY.....	4		4	15		15	14		14	19		19	43		43	2		2				97		97	
SCHOOL OF EDUCATION.....	15	9	24	29	27	56	46	39	85	40	56	96	73	56	129	2	1	3				205	188	393	
SCHOOL OF BUSINESS ADMIN.....	2		2	32	11	43	54	8	62	82	17	99	96	22	118	1		1				267	58	325	
TOTAL IN REGULAR CURRICULA.....	60	26	86	168	103	271	257	147	404	293	173	466	455	213	668	18	4	22				1251	666	1917*	
SPECIAL COURSES.....																						69	26	95	
Music																			4	20	24				
Auto Mechanics																			5		5				
Commercial Dairying																			9		9				
S. P. A.																			9		9				
Ranger																			17		17				
Poultry Husbandry																			3	6	9				
Tractor																			22		22				
NON-RESIDENT (College Credit).....																						130	215	345	
SUMMER SCHOOL (Boise).....				Undergrad: men, 18, women, 42; tot. 60										Special Music					18	42	60				
SUMMER SCHOOL (Moscow).....	39	19	58	Undergrad: men, 41, women, 124; tot. 165										Special Music			2	2	4	82	145	227	100	187	287
GRAND TOTAL.....																						1550	1094	2644*	
Deduct for names entered more than once:																									
Students registered in 1927 summer school and regular curricula, 1927-28 (Boise, 1 2 3).....																			34	76	110				
Students registered in 1927 summer school and non-resident courses, 1927-28.....																			17	36	53				
Students registered in 1927 summer school and special courses, 1927-28.....																				2	2				
Students registered in regular curricula and non-resident courses, 1927-28.....																			50	78	128				
*Deduct four men and two women for midyear graduates taking graduate work.....																			4	2	6	105	194	299	
NET TOTAL.....																						1445	900	2345	

SOUTHERN BRANCH
CONSOLIDATED ENROLMENT TABLE, YEAR 1927 TO MARCH 24, 1928.
(These figures are not included in the tables on preceding pages)

[illegible]



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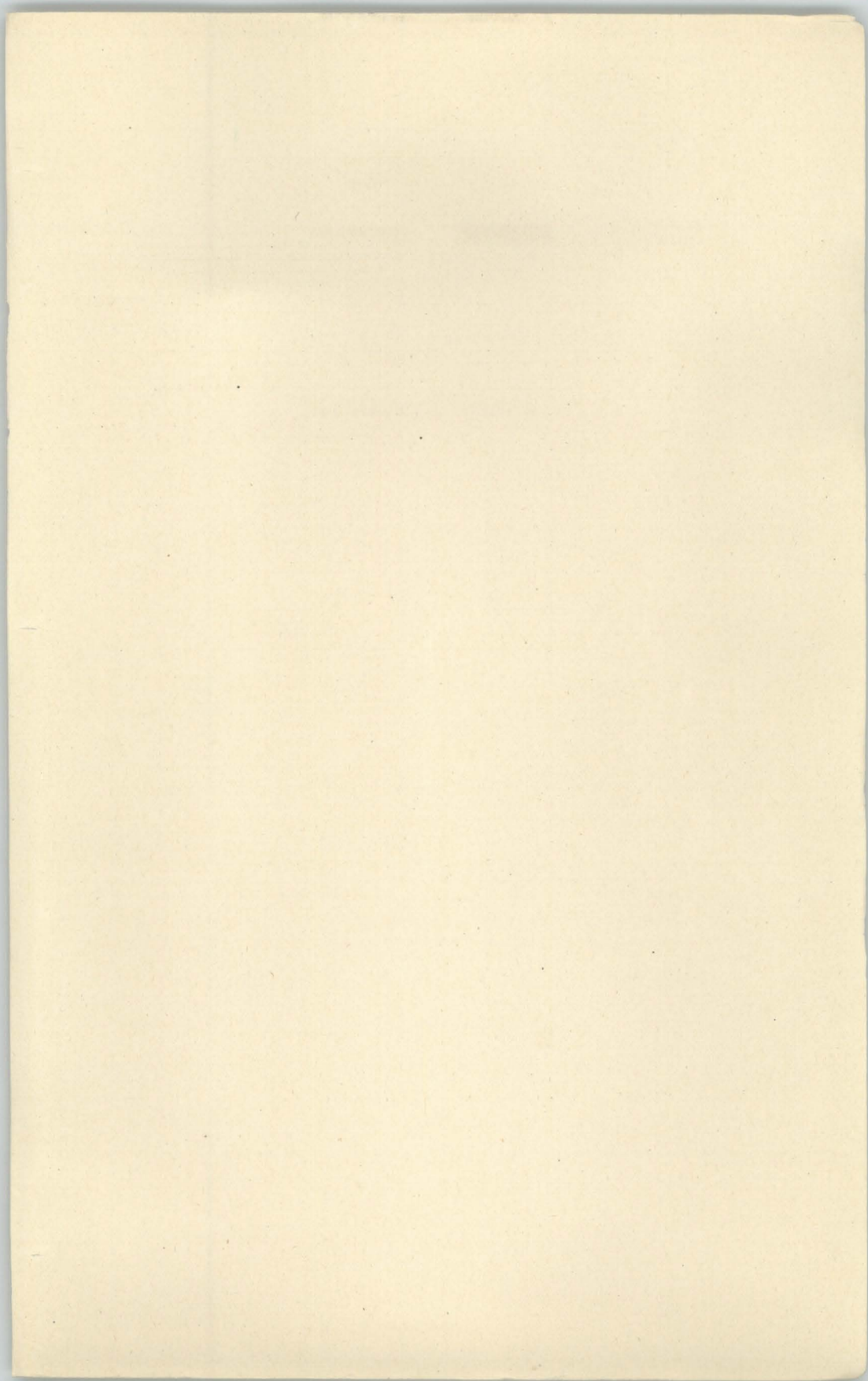
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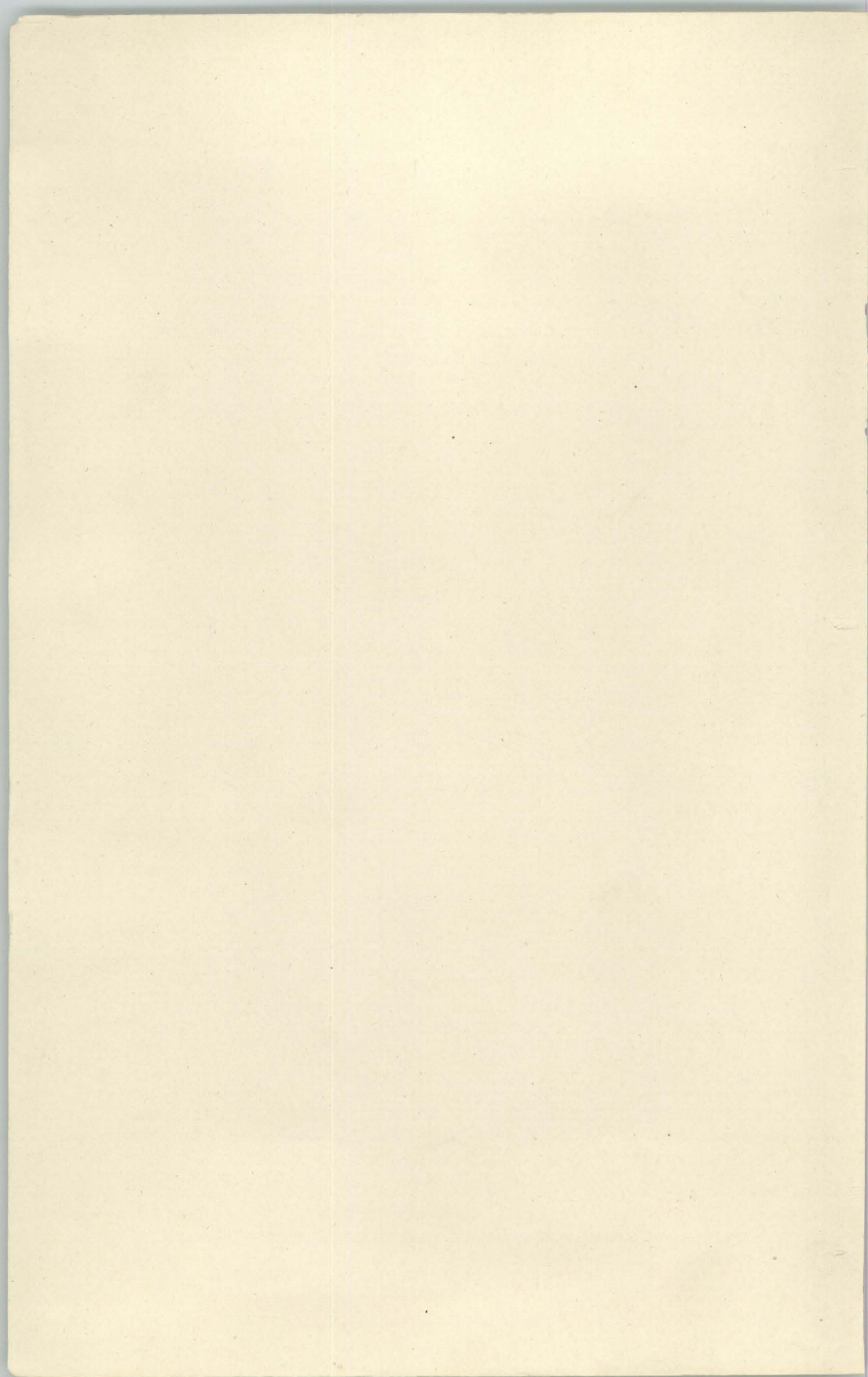
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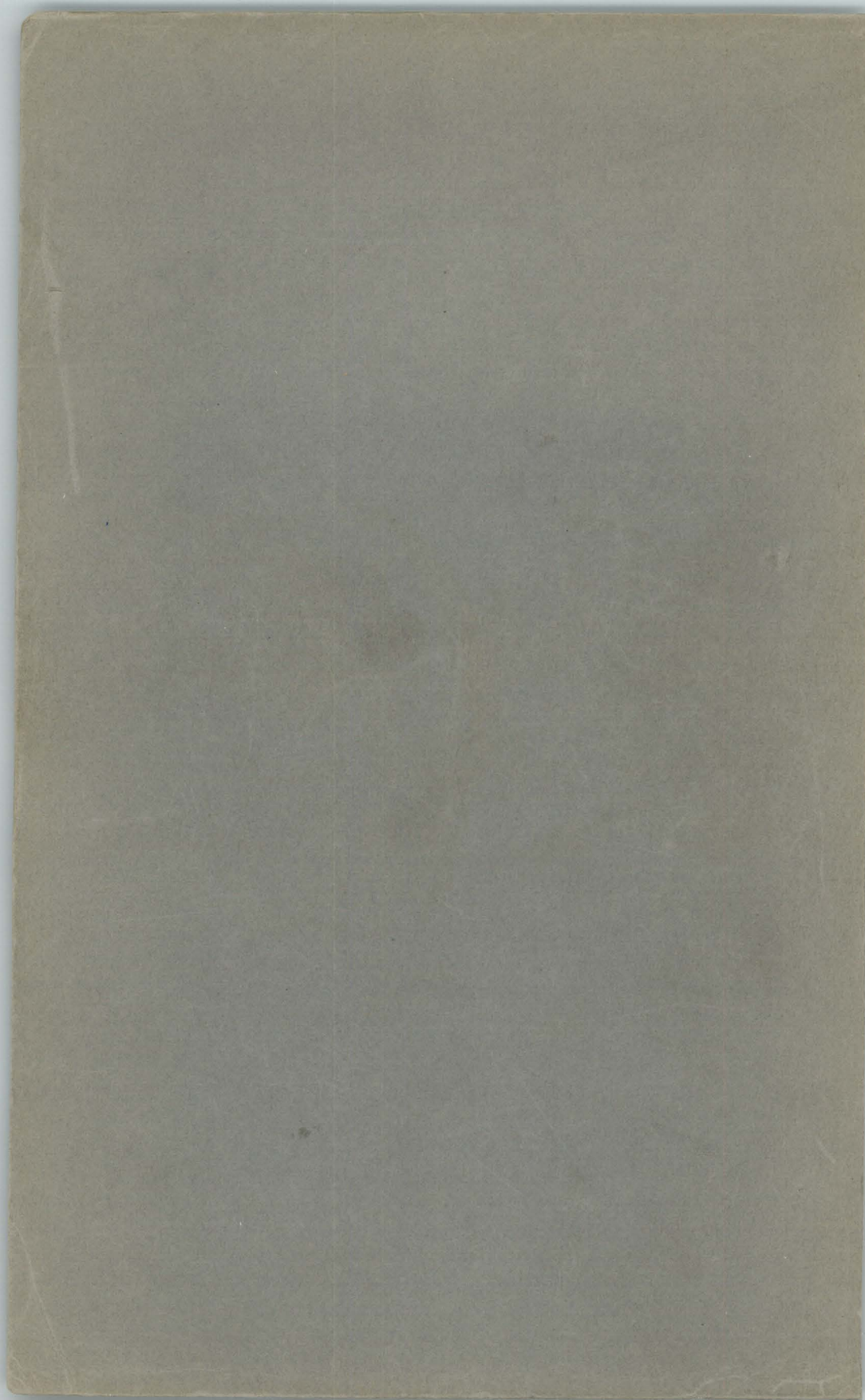
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