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THE UNIVERSITY OF IDAHO BULLETIN

VOL XXIV

No. 12

ANNUAL CATALOG

1928-1929

With Announcements for 1929-30

MAY, 1929

PUBLISHED QUARTERLY BY THE UNIVERSITY OF IDAHO

Entered as second-class mail matter at the post-office at Moscow, Idaho, October 5, 1906,
Under Act of July 16, 1894

VIRGINIA UNIVERSITY WOODSON

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Thirty-Seventh Annual

Catalog

of the

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With Announcements for 1929-1930

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VIA
MAIL
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1929 CALENDAR 1929																											
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29	30																										

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19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22	20	21	22	23	24	25	26
26	27	28	29	30	31		23	24	25	26	27	28		23	24	25	26	27	28	29	27	28	29	30			
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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11	12	13	14	15	16	17	8	9	10	11	12	13	14	13	14	15	16	17	18	19	10	11	12	13	14	15	16
18	19	20	21	22	23	24	15	16	17	18	19	20	21	20	21	22	23	24	25	26	17	18	19	20	21	22	23
25	26	27	28	29	30	31	22	23	24	25	26	27	28	27	28	29	30	31			24	25	26	27	28	29	30
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8	1	2	3	4	5	6	
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
														30													

CALENDAR OF THE UNIVERSITY

FIRST SEMESTER

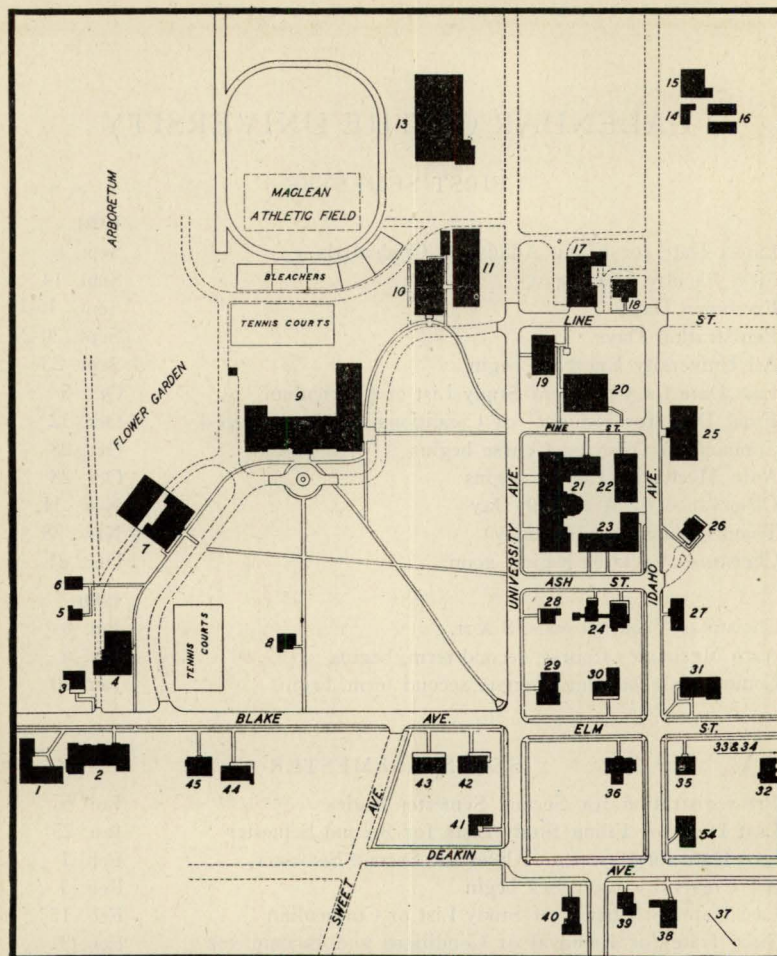
	1929
Latest Date for Filing Admission Credentials	Sept. 9
First Faculty Meeting	Sept. 14
Freshman Days	Sept. 16-19
Registration Days	Sept. 20-21
All University Exercises begin	Sept. 23
Last Date for Change of Study List or Curriculum	Oct. 5
Final Date for Removal of Conditions and Incompletes	Oct. 12
Commercial Dairying Course begins	Oct. 28
Auto Mechanics Course begins	Oct. 28
Observance of Armistice Day	Nov. 11
Thanksgiving Day (holiday)	Nov. 28
Christmas Vacation begins, noon	Dec. 21
	1930
Christmas Vacation ends, 8 A.M.	Jan. 6
Auto Mechanics Course, second term, begins	Jan. 6
Commercial Dairying Course, second term, begins	Jan. 20

SECOND SEMESTER

Pre-registration for Second Semester begins	Jan. 6
Last Date for Filing Study Lists for Second Semester	Jan. 25
Last Date for Payment of Fees for Second Semester	Feb. 1
All University Exercises begin	Feb. 3
Last Date for Change of Study List or Curriculum	Feb. 15
Final Date for Removal of Conditions and Incompletes	Feb. 21
Observance of Washington's Birthday	Feb. 22
Auto Mechanics Course ends	Feb. 28
Commercial Dairying Course, second term, ends	March 28
Spring Vacation	April 10-13
Observance of Memorial Day	May 30
Commencement	June 9

SUMMER SCHOOL

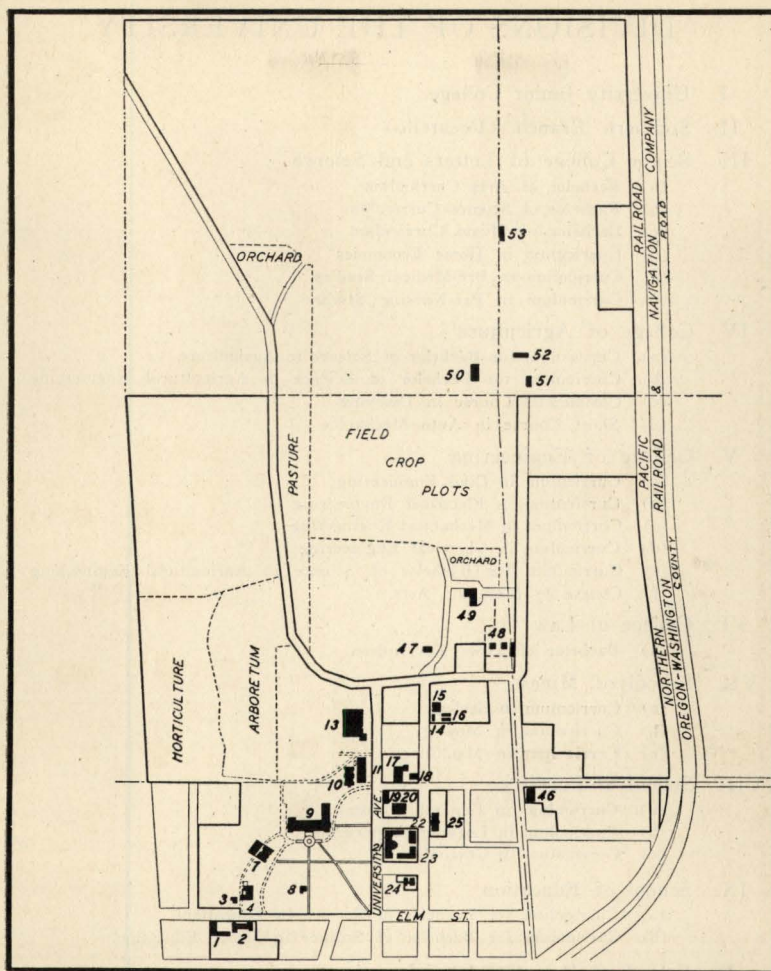
Summer School begins	June 10
Summer School ends	July 18



THE CAMPUS OF THE UNIVERSITY

(As Approached From the East, Which Is the Down-Town Side)

- | | | |
|-------------------------|------------------------|-------------------------|
| 1. Hays Hall | 17. Service Building | 32. Alpha Chi Omega |
| 2. Forney Hall | 18. Dairy Building | 33. Lambda Chi Alpha |
| 3. Center Cottage | 19. U. Hut; Postoffice | 34. Alpha Phi |
| 4. Ridenbaugh Hall | 20. Metallurgical Lab. | 35. Delta Gamma |
| 5. Bartley Cottage | 21. Science Hall | 36. Phi Delta Theta |
| 6. Music Hall Annex | 22. Geology Building | 37. Tau Kappa Epsilon |
| 7. Engineering Building | 23. Lindley Hall | 38. Pi Beta Phi |
| 8. Music Hall | 24. Infirmary | 39. Delta Delta Delta |
| 9. Administration Bldg. | 25. Morrill Hall | 40. Sigma Alpha Epsilon |
| 10. Women's Gymnasium | 26. Beta Chi | 41. Kappa Alpha Theta |
| 11. Lewis Court | 27. Sigma Chi | 42. Delta Chi |
| 13. Memorial Gymnasium | 28. Senior Hall | 43. Kappa Sigma |
| 14. Storage Building | 29. Phi Gamma Delta | 44. Sigma Nu |
| 15. Greenhouse | 30. Kappa Kappa Gamma | 45. Gamma Phi Beta |
| 16. Seed House | 31. Beta Theta Pi | 54. Alpha Tau Omega |



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 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.

DIVISIONS OF THE UNIVERSITY

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

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 and Pocatello; 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.

Graduates of accredited four-year high schools are eligible for admission to the University, either at Moscow or at Pocatello, in accordance with requirements stated on page 10 and following. The work of the junior college is prerequisite to entrance into the various senior colleges, and the required work of the freshman and sophomore years of the colleges at Moscow, not organized on the junior-senior basis, may be done at either place. The colleges organized on the junior-senior basis are the College of Letters and Science, College of Law, School of Education, and School of Business Administration. These offer the Bachelor of Arts, Bachelor of Science, and Bachelor of Laws degrees upon completion of their various curricula. Each makes some requirements for entrance which may be covered by the work of the junior college. The College of Agriculture, College of Engineering, the School of Mines, and the School of Forestry are four-year colleges having no junior-senior divisions. They grant appropriate baccalaureate degrees in their particular fields on completion of the four-year curricula. While these schools and colleges have no separate organization at the Southern Branch at Pocatello, the courses required in the freshman and sophomore years of their curricula are offered and may be completed there.

The Southern Branch offers 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. Its main function is the conduct of the work of the junior college curriculum, in which it parallels work done at Moscow.

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 an electric subsidiary of the Great Northern. 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.

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. Also, at Felt, at an altitude of over 6,000 feet, is "The High Altitude Substation," which has 160 acres for experiments in dry farming and 20 acres in irrigation.

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, a fireproof brick and stone, three-story structure in collegiate gothic style, is the campus center. It houses the offices of the president and other administrative officers, including the deans of several of the colleges, and has certain classrooms and laboratories, together with the library and auditorium.

SCIENCE HALL is a handsome structure of Tudor gothic architecture, fireproof, 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.

THE MEMORIAL ARMORY-GYMNASIUM is an imposing structure built north of MacLean field as a memorial to the Idaho men and women who lost their lives in the World and other wars. Its erection was sponsored

by the University of Idaho Alumni Association and the American Legion, Department of Idaho, working thru the Idaho Memorial Association.

THE WOMEN'S GYMNASIUM, formerly the Armory and Gymnasium, is devoted to the uses of physical education and athletics for women.

THE ENGINEERING BUILDING is of brick, three stories high. Offices and classrooms of the Civil, Electrical, Mechanical, and Agricultural Engineering Departments, together with drafting rooms for the upper classes in engineering, are located in this building.

THE ENGINEERING ANNEX, 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 comprise a group of concrete buildings of the factory type containing the wood shop, forge and foundry shops and machine shops of the Mechanical Engineering Department, an excellent machine shop used for custom work and available for instructional purposes, and the laboratories of the Agricultural Engineering Department.

MORRILL HALL is the administrative building of the College of Agriculture, the Agricultural Experiment Station, and the School of Forestry.

THE GEOLOGY BUILDING is equipped for geological, mineralogical, and petrographic work, with suitable offices, classrooms, and laboratories. It also houses the geological museum.

THE METALLURGICAL LABORATORY occupies a red pressed-brick building which is built upon sloping ground and has the different floors or levels common to all mills constructed on a hillside.

MARY E. FORNEY HALL is a modern, three-story, brick structure, with full basement and sub-basement, being virtually a four-story building above ground level. It provides accommodations 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.

GERTRUDE L. HAYS HALL, 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.

RIDENBAUGH HALL, a residence for men, contains three reception halls, thirty-five rooms, two large sleeping porches, and a dining hall for 200 boarders.

LINDLEY HALL, 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.

SENIOR HALL, residence for men, houses twenty students.

LEWIS COURT, a one-story wooden structure with cinder floor, is used for track practice and other physical educational and recreational purposes.

MUSIC HALL provides the administrative office for the Department of Music, together with studios and classrooms for instruction in piano and theory. Music studios also are provided in *Music Hall Annex*, *Bartley Cottage*, and *Center Cottage*.

THE UNIVERSITY HUT contains the University post office, together with studios for instruction in dramatics and in art.

THE INFIRMARY provides hospital and clinical accommodations for students who become ill.

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

THE DAIRY BUILDING, a three-story brick structure, gives the Department of Dairying unsurpassed accommodations, providing office room and laboratories for dairy manufacture.

FARM BUILDINGS include the *Dairy Barn*, *Livestock Pavilion*, *Beef Cattle Barn*, *Horse Barn*, *Sheep Barn*, *Swine Barn*, *Poultry Service Building*, *By-Products Building*, and *Greenhouses*.

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

THE LIBRARY.—The University Library consists of approximately 90,000 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 491 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 recitations 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.

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.

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, typewriting, or bookkeeping.

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

(d) More than one unit in physical education.

Requirements for admission to the University Junior College, the senior colleges, and the four-year divisions of the University are shown in the tables below. High-school graduates are admitted to full standing in the University Junior College if they present the prescribed number of academic units, a lesser number of which are specified. Those who plan later to enter one of the senior colleges, or those who may transfer to one of the four-year colleges, must have the units of credit specified under such college. For instance, a student entering the College of Letters and Science, College of Law, or School of Business Administration on completion of the junior college curriculum must present two units of foreign language. These may be the unspecified academic units required for admission to the

University Junior College. High-school courses should be planned with these possibilities in mind.

N. B. It is advisable that whenever possible a student who enters the University Junior College anticipate in the high school certain subjects assigned to the freshman and sophomore years as prerequisites to the curriculum which he expects to enter in the senior college. Especial attention is called to foreign language and science requirements for students who plan to follow a curriculum in one of the sciences. For details of these requirements see the separate curricula in Part II of this catalog.

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:

	Junior College	Senior Colleges				Four-Year Colleges			
		Letters & Science	Law	Education	Business	Agriculture	Engineering	Mines	Forestry
English	3	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	2
Mathematics	1	1	1	1	1	1	1	1	1
Algebra	1	1	1	1	1	1	1	1	1
Plane Geometry	—	—	—	—	—	—	½	½	—
Advanced Algebra	—	—	—	—	—	—	½	½	—
Solid Geometry	—	—	—	—	—	—	1	1	—
Natural Science (unspecified)....	2	2*	2	2	2	2	1	1	2*
Physics	—	—	—	—	—	—	1	1	—
Unspecified Academic Units	2	—	—	2	—	—	—	—	—
Total Academic Units.....	11	11	11	11	11	9	10	10	9
Additional Academic, Vocational & Elective Units	4	4	4	4	4	6	5	5	6
Total Units Required.....	15	15†	15†	15†	15†	15	15	15	15

*It is highly desirable for students planning to enter the School of Forestry, or the B.S., or B.S.(Pre-Med.) 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

Graduation From Accredited Senior High Schools Organized 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:

	Junior College	Senior Colleges				Four-Year Colleges			
		Letters & Science	Law	Education	Business	Agriculture	Engineering	Mines	Forestry
English	2	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	1
Mathematics Algebra	1*	1*	1*	1*	1*	1*	1*	1*	1*
Plane Geometry	1	1	1	1	1	1	1	1	1
Adv. Algebra.....	—	—	—	—	—	—	½	½	—
Solid Geometry.....	—	—	—	—	—	—	½	½	—
Natural Science (unspecified)	1	1†	1	1	1	1	—	—	1†
Physics	—	—	—	—	—	—	1	1	—
Unspecified Academic Units	4.3	1.3	1.3	3.4	1.3	3.4	2.3	2.3	3.4
Total Academic Units.....	9	9	9	9	9	9	9	9	9
Additional Academic, Vocational, or Elective Units.....	3	3	3	3	3	3	3	3	3
Total Units Required	12	12‡	12‡	12‡	12‡	12	12	12	12

*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, or the B.S., or B.S.(Pre-Med.) 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 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.

BY EXAMINATION.—All other applicants for admission, including students from non-accredited high schools, will be required to take entrance examinations in fifteen units of acceptable work. These examinations are given at Moscow on the first three days of the week of registration for the fall semester of the University. 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.

ADMISSION WITH DEFICIENCY IN GROUP REQUIREMENTS.—Students who qualify for admission to the University under the general requirements heretofore described but who fail to meet specific group requirements as indicated in either of the tables may be admitted with deficiencies and take courses for which they are prepared. All entrance deficiencies must be removed before the beginning of the sophomore year; otherwise the students will be debarred from registering until the deficiencies are removed or the required courses are placed on their study lists. Students admitted to the University Junior College who present fewer than the number of academic units required in the plan under which they enter will make up the deficiency with college courses but without college credit, except that college courses can not be substituted for high-school algebra and geometry. Similarly, deficiencies for admission to the four-year divisions are, in general, made up without college credit.

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 Certificate of Recommendation giving full information regarding the applicant's high-school record, as well as separate transcripts from each of the colleges attended. These should be sent to the registrar at least one month before the student expects to enter the University. (See Regulation No. 26a on page 24.)

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. 26 and 28 and requirements for admission to the senior colleges.)

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. In order to qualify for a degree from any division of the University, a normal school graduate must satisfy the specific requirements of the curriculum in which he is registered.

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 THE SOUTHERN BRANCH OF THE UNIVERSITY OF IDAHO.—Credits

earned at the Southern Branch of the University of Idaho at Pocatello are considered on the same basis as credits earned at the University of Idaho at Moscow. In order to qualify for a degree a student who transfers from the Southern Branch must, of course, satisfy the specific requirements for graduation from the curriculum which he enters in the senior college or four-year college. Applicants for transfer must fill out a Petition for Transfer card and have it approved by the executive dean of the Southern Branch. As soon as this card is filed in the registrar's office of the Southern Branch the student's complete credentials and record will be sent to the University of Idaho at Moscow.

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 SENIOR COLLEGES

Admission to the College of Letters and Science, School of Education, or School of Business Administration will be granted to holders of the junior certificate from the University Junior College or the Southern Branch of the University of Idaho, provided they have obtained an average grade of C (4.000) in all courses for which they have registered. Students who have completed equivalent work in some other acceptable institution may be admitted provided three-fourths of their residence credits have been above grade D and their average grade has been C or above on a scheme of four passing grades.

A student must complete the prerequisites for the curriculum which he enters in the senior college. One who has completed fifty-four semester credits in addition to the requirements in Military Science and Physical Education may be provisionally enrolled in either of the above named senior colleges provided three-fourths of the residence credits which he offers are above grade D and his average has been grade C (4.000). During his first year in the senior college he must make up the requirements for the certificate of graduation from the University Junior College.

Admission to the College of Law will be granted to applicants who have satisfied the entrance requirements listed beginning on page 10, and in addition have completed sixty-four credits in courses of college grade (including not more than eight credits in military and physical education). These credits would ordinarily be earned in the University Junior College. 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 under-

graduate 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 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 Agricultural Engineering, B.S.(A.E.)
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 Music Education, B.S.(Mus.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.); Master of Science in Education, M.S.(Ed.); and the following professional degrees in engineering: Civil Engineer, C.E.; Mechanical Engineer, M.E.; Electrical Engineer, E.E.; Chemical Engineer, Ch.E.; and Agricultural Engineer, A.E. (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.—University officials cannot promise employment to prospective students. 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. An investigation conducted a few years ago showed that, for a period of three months and a half, 167 students worked, on an average, 19 hours a week, earning their way. 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 the possibility of being without em-

ployment. 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.

RATES IN THE UNIVERSITY 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.

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.

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.

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.

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 earn board and room in homes approved by the dean of women.

FEES

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.

REFUNDS OF FEES

GENERAL FEES.—Students who for any reason withdraw from the University during the first two weeks of a semester may receive a refund of five-sixths of the general University fees paid for that semester. This will include non-resident tuition, health, extra-curricular, laboratory, and library fees. Application for this refund must be made to the bursar at the time of withdrawal, and under no circumstances later than Saturday of the second week of the semester.

MUSIC FEES.—Tuition fees for private instruction in applied music may, upon prompt application by the student withdrawing, be refunded according to the following schedule:

During the first two weeks of a semester, five sixths; during third and fourth weeks, two-thirds; fifth and sixth weeks, one-half; seventh and eighth weeks, one-third; ninth and tenth weeks, one-sixth.

Application for this refund should be made to the director of the curricula in music, who will be responsible for the approval of the application.

A. S. U. I. FEES are controlled by the constitution of the Associated Students. No refunds are made except upon the order of the graduate manager, to whom application should be made.

GENERAL DEPOSIT.—The unused balance of the general deposit is refundable, provided withdrawal is in accord with the requirements of paragraph 20, page 24.

CLASS DUES.—These are not University fees but are collected for the separate classes. They are held non-refundable.

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. 16, 17, 1929) 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.—Registration for the first semester of 1929-30 will be held on September 17-18, upon 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.

A system of pre-registration will be enforced for the second semester and students will be required to confer with their registering officers and file their registration blanks in the registrar's office between January 6 and January 25. A late filing fee of \$1 a day up to a maximum of \$10 will be charged those students whose blanks are not filed between the dates mentioned. Likewise, the late registration fee of \$1 a day will be charged those students whose fees are not paid before February 1. Second semester fees may be paid by mail or in person.

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. 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 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 enrol 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 re-instated 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. In.

14. NO CREDIT FOR REPEATED SUBJECTS.—No college credit will be given for subjects taken in high school and repeated 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 thirty-two 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. GRADES, EXAMINATIONS, AND GRADUATION

17. GRADES are reported as A, excellent (90-100); B, good (80-89); C, average (70-79); D, barely passing (60-69); F, failure (below 60); Inc., incomplete, work of passing grade but, for adequate reason, not quite completed; and W, withdrawal by permission while doing passing work. Mid-semester grades as well as semester grades are filed in the registrar's office.

18. "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.

19. "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.

20. "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.

21. "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 nine weeks of their first 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.

22. 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.

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

24. AVERAGE GRADE REQUIRED FOR JUNIOR CERTIFICATE.—A student, in order to receive a certificate from the University Junior College, must present grades of C or above in three-fourths of the credits required for the certificate and received in residence.

25. 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.

26. GENERAL REQUIREMENTS FOR GRADUATION.—In addition to the general and specific requirements of his curriculum a candidate for a baccalaureate degree must have met the following general University requirements:

(a) *Residence Requirement.* A student in order to be eligible for the bachelor's degree must do at least one year's work in residence in the division from which he expects to graduate. (See Regulation No. 7). If the

student's term of residence in the University 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.

(b) *Grade Requirement.* 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.

(c) *Credits Earned in Senior College or Upper Division.* In order to qualify for a degree, a student who has done his freshman and sophomore work in a junior college, or other institution whose curricula are essentially for students in their first two college years, must present at least fifty-four (54) semester credits earned in a senior college or the upper division of a degree granting institution.

(d) *Application for Baccalaureate Degree.* Any student who expects to receive a baccalaureate degree must, at the beginning of his 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.

D. RATING AND ELIGIBILITY

27. *CLASS RATING.*—A student in order to be rated as a freshman must have met the entrance requirements for regular students (see pages 10 to 14). To be rated with an advanced class a student may not be more than six credits behind the curriculum requirement for entering that class in a given semester. Thus, for example, a student in the University Junior College who has twenty-eight 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-five credits to be so ranked.

28. *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 admitted to the University of Idaho from other institutions must have complied with these scholarship regulations in addition to those of the institution or institutions which they have attended. If the past record of a student, regardless of the rules of the institution which he attended, has been such that the above rule would have operated, such operation will be taken into account in determining his eligibility for admission to the University of Idaho.

29. *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 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.

E. ABSENCES

30. 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.

31. 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.

32. 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.

33. GENERAL ATTENDANCE.—Students are responsible for their attendance in the courses in which they are enrolled. Excessive absences are, however, reported to the dean of the college in which the student is registered.

F. MISCELLANEOUS

34. 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.

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

36. 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

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

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.

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

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

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 his dean and major professor. 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. James J. Gill, 706 Deakin Avenue, 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.

VERNON P. FAWCETT MEMORIAL FUND.—A \$1,000 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.

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 \$1,950, 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, kindness, 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>	
1929—Farnsworth Leroy Jennings, '28.....	Craigmont
Exeter College— <i>Modern History</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 one free round-trip fare to 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.

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 academic council of the University.

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 1927-28 see Part VI of the catalog).

UNIVERSITY ORGANIZATIONS

STUDENT AFFAIRS

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 seven principal departments: athletics, publications, debate,

*In figuring averages, each credit of grade A counts 6; each credit of grade B counts 5; C counts 4; D, 3; and F (failure), counts 1.

music, dramatics, rifle, 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 is an organization of all women students which seeks to regulate matters pertaining to the student life of its members which do not fall under the jurisdiction of the faculty and to promote high standards of university life.

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 "I" in intercollegiate athletics.

The Women's "I" Club is composed of women students who have earned the "I" sweater.

Mortar Board is a national honorary society of senior women.

The Silver Lance is composed 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 is an honorary organization of under-class men affiliated with similar chapters in other universities.

The Spurs belong to a national organization of sophomore women similar in purpose to the Intercollegiate Knights.

The Cosmopolitan Club exists primarily for students from other lands, but American students also are eligible to membership. The purpose is to promote international friendship and understanding.

The Associated Students of Lindley Hall is a society of dormitory men.

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 all the Moscow churches, of which there are more than a dozen. Young people's societies and Sunday school classes of these churches are organized especially with a view to serving students' needs. Among religious organizations of university people are the *Young Women's Christian Association*,

the *DeSmet Club* (Roman Catholic), the *Episcopal Club* (affiliated with the National Student Council), the *Wesley Foundation* (established by the Methodist Episcopal church and working thru the *Wesley Club*), *Kappa Phi* (Methodist girls), a chapter of the *Lutheran Student Association of America*, and the *Westminster Guild* (Presbyterian girls).

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 co-operation.

Sororities.—National sororities which have chapters at the University are *Delta Gamma*, *Gamma Phi Beta*, *Kappa Kappa Gamma*, *Kappa Alpha Theta*, *Pi Beta Phi*, *Alpha Chi Omega*, *Alpha Pi*, and *Delta Delta Delta*. 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.

Sigma Xi.—The object of this national honorary scientific society is to encourage original investigation in science, pure and applied. Members are chosen from among senior students who have given promise of future achievement in the field of science, and from among graduate students and faculty members on the completion of research work of merit.

Alpha Zeta is a national honorary agricultural fraternity with chapters in the leading agricultural colleges of the United States.

Xi Sigma Pi is a national honorary forestry fraternity which seeks to promote scholarship in forestry education and the upbuilding of the profession of forestry.

Phi Upsilon Omicron is a national honorary home economics sorority.

Phi Alpha Delta is a national fraternity of the legal profession.

Sigma Tau is a national honorary engineering fraternity, with members selected from among upper classmen of the College of Engineering and the School of Mines.

Pi Lambda Theta is a national honor society of women students in the School of Education.

Sigma Delta Pi is a national honorary fraternity for high-standing students of advanced Spanish.

Alpha Kappa Psi is a national honorary fraternity of men in the School of Business Administration.

Phi Chi Theta is an honorary fraternity of women in the School of Business Administration.

The Agricultural Club is made up of the students of the College of Agriculture.

The Associated Engineers of the University of Idaho is a society of the students of all departments of engineering. It includes student chapters of the *American Institute of Electrical Engineers*, the *American Society of Mechanical Engineers*, and the *American Society of Civil Engineers*.

The Associated Foresters is an organization of the students and faculty of the School of Forestry.

The Associated Miners is an organization of the students in the School of Mines and is affiliated with the American Institute of Mining Engineers.

The English Club fosters student activities related to the work of the Department of English. All instructors and major students in the department are *ex-officio* members, while students writing for *The Argonaut*, *The Gem of the Mountains*, or *The Blue Bucket*, or participating in intercollegiate debate or college dramatics are eligible to membership.

The Winged Helmet is composed of students interested in literary composition.

The Curtain is composed of students and faculty members who have passed certain eligibility requirements in acting, play-writing, or play production.

Delta Sigma is composed of men professionally interested in newspaper work.

Theta Sigma is an organization of women professionally interested in journalism.

Delta Sigma Rho is a national honorary debating fraternity, for which the eligibility requirement is participation in intercollegiate debate or oratory.

The Home Economics Club, which is affiliated with the American Home Economics Association and the State Federation of Women's Clubs, is an organization of all students registered in home economics.

The Pre-Medical Club is an organization of pre-medical students.

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 students preparing to enter the College of Law.

Scabbard and Blade is an organization of cadet officers with 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.

Alpha Psi grants membership in recognition of ability in art.

Kappa Delta Pi is a national honorary society of men in the School of Education.

Mu Beta Beta is a national fraternity of students who have participated in club work in agriculture and home economics.

Alpha Tau Delta is a national honorary society of women taking pre-nursing studies.

Gamma Epsilon is an honorary fraternity composed of students of geology, mining, and metallurgy.

Sigma Delta is a fraternity of men interested in physical education.

MUSICAL

Musical organizations under supervision of the Department of Music are the *Treble Clef Club* (women's glee club), the *University Glee Club* (for men), the *Moscow Community Chorus*, and the *University Orchestra*. The *Cadet Military Band* is a part of the Reserve Officers' Training Corps. The *Pep Band* is under control of the Associated Students.

PUBLICATIONS

THE UNIVERSITY OF IDAHO BULLETIN series includes the *University Catalog*, the *General Information Bulletin*, the bulletin of *Departments of Instruction*, the announcements of the several schools, colleges, and curricula, the University illustrated booklet, research studies in forestry and in engineering, and the biennial report of the president.

AGRICULTURAL PUBLICATIONS.—The University publishes monthly the *News Letter*, devoted chiefly to agricultural news and articles. It will be sent free to anyone applying to the News Letter Committee. The *Idaho 4-H Club News* is published every two months, in the interest of boys' and girls' clubs thruout the state. *Agricultural Experiment Station Bulletins* are full accounts of results of investigation by the staff of the experiment station. *Agricultural Extension Bulletins* are published frequently to make available to farmers the latest agricultural knowledge in non-technical language. The *Annual Report of the Experiment Station* sets forth the program of the station, its progress and results.

STUDENT PUBLICATIONS are *The Idaho Argonaut*, semi-weekly newspaper; *The Gem of the Mountains*, the annual; *The Blue Bucket*, humorous quarterly; *The Idaho Forester*, annual of the Associated Foresters; *The Idaho Engineer*, annual of the engineering students; and *The Idaho Agriculturist*, annual of the students of agriculture.

PUBLIC SERVICE BULLETINS are *The Idaho Economic Bulletin* of the School of Business Administration and *The Idaho Forestry Bulletin* of the School of Forestry.

HISTORY 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 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 forty 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

*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."

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 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. Graduate study was reorganized as the Graduate School in 1925. The spring of 1929 witnessed the change of the College of Letters and Science, the School of Education, and the School of Business Administration into senior colleges, and the establishment of the University Junior College.

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

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

*The final s is now omitted.

the country. In 1913 the preparatory department was discontinued. There are now 141 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; 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-seven 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 thirty-four hundred. The first six college students were graduated in 1896. Since that time, and including those first six, 2444 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 \$2,807,000, 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, \$1,831,000; and other property, \$200,000. The estimated value of fraternity and sorority houses (used by students but not University property) is an additional \$700,000. The lands, buildings, and equipment of the Southern Branch represent another \$765,000.

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 educa-

tional 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; Dr. Alfred Horatio Upham, 1920 to 1928; and Dr. Frederick James Kelly, beginning in 1928.

PART II
THE UNIVERSITY'S SCHOOLS
AND COLLEGES
WITH THEIR CURRICULA

PART II
THE UNIVERSITY'S SCHOOLS
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UNIVERSITY JUNIOR COLLEGE

ADMINISTRATIVE COUNCIL

JAY GLOVER ELDRIDGE, PH.D., *Dean of the University Faculty
and Head of the Department of Modern Languages.....Chairman*
ELLA L. OLESEN, *Registrar.....Secretary*
ADA EULALIA BURKE, M.A., *Assistant Professor of English*
CURTIS WORTH CHENOWETH, M.A., *Professor of Philosophy*
RICHARD BROOKS HEFLEBOWER, A.B., *Instructor in Economics*
- IRVING WILLARD JONES, PH.B., *Assistant President*
JOHN ANTON KOSTALEK, PH.D., *Professor of Organic Chemistry*
RAYMOND MYLAR MOSHER, PH.D., *Director of the Bureau of Student
Personnel and Professor of Educational Psychology*
EUGENE TAYLOR, M.A., *Professor of Mathematics*

The University Junior College has been organized as a separate division of the University and will be in operation at the opening of the fall semester of 1929-30. Its program will embrace the work heretofore done during the first two years in the College of Letters and Science, the School of Education, and the School of Business Administration. It will also fulfil the requirements for admission to the College of Law. All freshmen and sophomores will enrol in the Junior College except those who have definitely decided to follow the curricula of the College of Agriculture, the College of Engineering, the School of Forestry, or the School of Mines.

The purpose of the Junior College is a dual one. It will afford to those who do not expect to attend college more than a year or two a comprehensive and organized course of study which will be appropriate to all general educational needs; and it will furnish to all candidates for a degree a broad and liberal foundation for any curriculum which they may wish to pursue in the senior college. Experience has shown that entering students are about equally divided between those who will and those who will not be candidates for degrees, but relatively few students know at entrance into which class they fall. The necessity, therefore, of a curriculum which is capable of satisfying all students' needs is obvious.

In its organization and administration the Junior College is designed to serve in increasing measure the need for close articulation between the work of the high school and that of the college, and the avoidance of duplication in studies. This is to be accomplished partly by the modification of teaching methods, and partly by curriculum provision for the recognition and acceptance of work done in the high school. This organization is calculated to save the time of students—a matter of both educational and economic importance—and to develop greater initiative and capacity for creative scholarship.

In entering upon this modification of existing forms of organization the University is convinced that it will thus improve greatly its service to students, and hence to the state. It is the better able to render this service

because the work of the University Junior College at Moscow is paralleled by that of the Southern Branch at Pocatello.

ADMISSION

The general statement of admission requirements will be found on page 10 and following.

Students desiring to enter the Junior College, without reference to any senior college requirements, will be admitted on the basis of the minimum requirements. Those who expect to enter a senior college on completion of the Junior College must satisfy the additional requirements, for example in foreign language, of the senior college chosen. Consult the statement of admission requirements for the several colleges.

The minimum junior college requirements for admission are as follows:

PLAN I

(For Graduates of Accredited Four-Year High Schools)

15 approved high-school units, of which

11 units shall be in academic subjects, including:

9 specified academic units (English 3, natural science 2, social science 2, mathematics—algebra and plane geometry—2)

2 unspecified academic units; with

4 units, in academic, non-academic, or vocational subjects.

PLAN II

(For Graduates of Accredited Senior High Schools Organized on the 6-3-3 Plan)

12 approved high-school units, of which

9 units are in academic subjects, including:

5-6 units specified (English 2, social science 1, natural science 1, mathematics—algebra* and plane geometry—1-2) with

3-4 units (academic) unspecified

3 units additional, in academic, non-academic, or vocational subjects.

Students presenting fewer than the required number of academic units in the plan under which they enter will make up the deficiency with college courses, but without college credit, except that college courses cannot be substituted for high-school algebra and geometry.

CURRICULUM

The curriculum of the Junior College is based on a completion requirement of sixty credit-hours in addition to the requirements in physical education and military science and tactics. Students completing this requirement will be given a diploma (or certificate) of graduation, provided that three-fourths of the residence credits offered are above grade D. A portion of this requirement, amounting in most cases to thirty-eight hours, is specified; the remainder is at the disposal of the student, for the purposes

*Algebra is required to the extent of one unit but it may not count toward the nine academic units if the work is done in the junior high school.

which seem most wise to him and his adviser. Opportunity is in this portion given for the completion of prerequisites for the various senior college curricula; for the pursuit of courses which are designed to provide some vocational proficiency, particularly for those who will not go beyond the junior college; or for the election of any courses which will tend to give breadth and scope to the student's general education.

The specific requirements have been selected in the fields of natural science, social science, English language and literature, and the arts. The aim has been to include those items of human thought and accomplishment which function most generally in the life of a person living under present social and economic conditions. The resultant information and training should furnish the basis for an enlightened citizenship, and a foundation on which any subsequent form of education might be built safely and well. Some of this work may, and in many cases will, be done in the high school. In no case will a student be required or permitted to do again in college for credit the work of the high school. In some cases the student may be required to show, by some form of test or examination, that his high-school work has given him the required preparation. Deficiencies will be made up without credit.

The required studies are as follows:

I. MILITARY AND PHYSICAL EDUCATION:

1. Military Science and Tactics. The basic course, three hours a week for two years, is required of all able-bodied men students, with a credit of $1\frac{1}{2}$ hours a semester.

2. Physical Education. All women students are required to complete three hours a week (two credits each semester) during the freshman year, and two hours (one credit) during the sophomore year.

Men students will be required to complete at least one hour a week during the two years, one-half credit each semester.

II. NATURAL SCIENCE:

1. The sciences are to be considered in two groups:

A. Biological Sciences: Botany, Psychology, and Zoology.

B. Physical Sciences: Chemistry, Geology, and Physics.

From each of these groups a student must complete, in high school and junior college combined, eight credits, or two high-school units, a total of sixteen credits, of which eight credits must be taken in the junior college.

These sciences will be given in four-credit, one-semester courses, each being considered equivalent to a full year's high-school work. Any of them, therefore, may be satisfied by a corresponding high-school course in Biology, Botany, Chemistry, Physics, or Zoology, as usually given. High-school courses running only a half-year, with credit of a half-unit, cannot be so substituted; nor may the courses in General Science and in Related Science be counted in place of the specified sciences listed.

Students having one unit of high-school credit in a science may enter a second semester of that science in the junior college if they can pass a placement test in the subject. No credit is given for repetition of a high-school course.

2. Correlated Science. Each student will, preferably in the sophomore year, complete the course in Correlated Science, two credits, one semester.

III. SOCIAL SCIENCE:

1. All students will take Civilization 1 and 2, Contemporary Civilization, three credits each semester, during the freshman year.

2. All students will, during the sophomore year, elect one of the following courses in History:

(a) History 21 and 22, History of the Americas, three credits each semester.

(b) History 1 and 2, History of Civilization, three credits each semester.

(c) History 11 and 12, Classical Civilization, three credits each semester.

Students who present entrance credits in American History only will elect either (b) or (c). Such entrance credits may be either in a complete year-course in United States History, or in a course combining United States History and Civics.

Students presenting entrance credits in General History only (Ancient, Medieval and Modern, European, or other designation) will elect (a).

Students presenting no credits in history will of course make up the deficiency: they will elect (a) and either (b) or (c).

IV. ENGLISH COMPOSITION:

1. All freshmen, except those provided for below, will take English Composition for two semesters, three credits each semester.

2. Students who in placement tests satisfy prescribed standards of attainment will be excused from English Composition for either one or both semesters.

3. Students who cannot make a satisfactory grade in the placement test will take English A, without credit.

V. LITERATURE:

All students must take English 17 and 18, Sophomore Literature, three credits each semester. This course is primarily for sophomores but is open to specially proficient freshmen.

VI. THE ARTS:

All students will take four credits in the arts, preferably in the sophomore year, selected from courses offered in Art Structure and Design, Art History, Art Appreciation, Free-Hand Drawing, Architectural Drafting, History of Architecture, Landscape Design, Applied Music, History of Music, Appreciation of Music, Classical Art, Natural Dancing, Public Speaking, and Play Production.

SUBJECTS OPEN TO ELECTION:

The normal student program will distribute the required subjects over

four semesters, as evenly as circumstances permit. This will make an average amount of twelve hours a semester, leaving four to six hours open for election. It is recommended that students use such election specifically to serve one of the following objectives:

1. To complete prerequisites for courses required in a senior college curriculum. If even a tentative choice has been made of such a curriculum, the student should with his adviser make up a program, to include these prerequisite courses, extending over the junior college years. A complete list of senior college curricula and their prerequisites will be found in the college statements, Part II of this bulletin.

2. To secure such vocational preparation as is afforded by regularly offered courses. Some suggested fields in which election may be made are business (secretarial studies, or accounting); music, art (drawing, painting); architecture (drafting); journalism, home economics, mechanical engineering (shop).

3. To complete or supplement studies already pursued, by electing either more advanced courses in certain basic subjects, or courses closely correlated to these basic subjects, or courses which will extend general education beyond the limits of breadth specified in the basic junior college requirements. A student may, for instance, very properly elect to carry his study of chemistry into one or more semesters beyond the initial requirement; to enter upon more specific study of political organization after his introduction to it thru the course in Contemporary Civilization; or to go more deeply into the reasons for social organization by means of studying the philosophy which is basic; or to secure some acquaintance with other sciences than those already elected. This rather free choice in electives is primarily for those who have formed no definite objectives, may wish to discontinue formal study after the junior college, but at the same time are desirous of making explorations into the fields of thought in the quest of an absorbing interest. In any case it may make possible a background of general information and culture on which to build a continuing education thruout life. The only caution to be given is that elections be made with some very definite end in mind.

A TYPICAL STUDY LIST

No rigid study lists can, or should be, followed. Outside of such courses as English Composition, Contemporary Civilization, Literature, and History, running thruout the year, no particular order or sequence is required. Even here some latitude is possible, particularly for those who may be excused from English Composition. A student should elect first that science of which he expects to need the most. In general, each student will do well to follow a program of study something like the following:

FRESHMAN YEAR:

English Composition, both semesters.

Contemporary Civilization, both semesters.

A science, each semester, until the science requirement is met.
 Military Science and Tactics, and Physical Education, both semesters.
 Electives, as desired.

SOPHOMORE YEAR:

Literature, both semesters.
 History, both semesters.
 Completion of science, including Correlated Science.
 Arts (as selected), both semesters.
 Military Science and Tactics, and Physical Education.
 Electives.

SPECIAL MUSIC CURRICULUM

The Bachelor of Music degree, given in the Senior College of Letters and Science, is in the nature of a technical and professional degree, and the curriculum is arranged on a four-year basis. The first two years administered by the junior college will embrace a curriculum slightly different from the standard junior college requirement. Students who on entering believe that they will ultimately work for the degree of Bachelor of Music may elect in accordance with the special music curriculum listed below. The completion of these requirements will qualify the student for entrance into the senior college curriculum leading to the degree of Bachelor of Music but to no other curricula. Students, therefore, are cautioned not to elect this special curriculum unless they are positive of their choice of the Bachelor of Music degree. Students with a major interest in music have also the option of becoming candidates for the Bachelor of Arts degree in the music curriculum, in which case they will follow the standard junior college curriculum. (See page 59)

Credits		Credits	
Eng. 1-2. English Composition....	6	Mus. 3-4. Elementary Harmony..	4
Eng. 17-18. English Literature....	6	Mus. 5-6. Advanced Harmony....	4
French or German (2 years).....	16	Mus. 13-14. Keyboard Harmony....	2
Mus. 1-2. Sight Singing and		Applied Music	16
Ear Training	4	Elective	2
		Military or Physical Education....	6-8

THE SOUTHERN BRANCH

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

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. 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 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.

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 junior standing in the University of Idaho. Graduates from the three-year course in Pharmacy will

*1927-29. †Beginning in summer of 1929.

receive the degree, Graduate Pharmacist (Ph.G), and may receive the Bachelor of Science 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.

Students of the Southern Branch will avoid confusion by considering their work in terms of the curriculum which they plan to complete in the senior college.

DIVISION OF LETTERS AND SCIENCE

In this division are offered the first two years of work leading in the senior college 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 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 Musical Education, B.S.(Mus.Ed.); Bachelor of Science in Business, B.S.(Bus.).

The work of this division is practically identical with the corresponding work in the University Junior College at Moscow. 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 by those divisions of the University. 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 Mathematics.....	3
Bot. 1. General Botany.....	4	Zool. 6. Physiology.....	3
Physical Education.....	2	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. 55. Organic Chemistry.....	5	Chem. 52. Quantitative Analysis.....	4
Phar. 9. Pharmacognosy.....	3	Chem. 56. Organic Chemistry.....	5
Chem. 51. Qualitative Analysis.....	4	Phar. 10. Pharmacognosy.....	3
Physical Education.....	1	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 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.

SENIOR COLLEGE OF LETTERS AND SCIENCE

*MARTIN FULLER ANGELL, PH.D.....	<i>Dean of the College</i>
JAY GLOVER ELDRIDGE, PH.D.....	<i>Acting Dean of the College</i>
MABEL WINIFRED RENTFRO, A.M.....	<i>Secretary of the College Faculty</i>
GEORGE MOREY MILLER, PH.D.....	<i>Chairman of the Curriculum Committee</i>
HAROLD LUCIUS AXTELL, PH.D.....	<i>Chairman of the Scholarship Committee</i>
KATHERINE JENSEN, M.S.....	<i>Director of the Home Economics Curriculum</i>
JAY GLOVER ELDRIDGE, PH.D.....	<i>Acting Director of the Pre-Medical and Pre-Nursing Curricula</i>
THEODORE KRATT, MUS.M.....	<i>Director of the Music Curricula</i>

The College of Letters and Science becomes, with the opening of the academic year 1929-1930, a senior college; that is, its work will embrace only the junior and senior years of the four-year college period. This change is in adjustment to the organization of the University Junior College, which assumes responsibility for the work previously done in the freshman and sophomore years. Just as the junior college is a period of broad and general education designed as a preparation for later specialization, the senior college becomes a period of specialization. Students who have completed the work of the junior college should have acquired habits of study and definite objectives so that in the senior college their study may be characterized by more independence and greater initiative in the recognition and solution of problems.

The plan of major and minor studies which has hitherto obtained in the junior and senior years is supplanted by a scheme of curricula, each of which centers in one major subject. These curricula have been so prepared by the several departments that students interested in a particular subject may concentrate their attention upon it and upon such closely correlated matter as has distinct bearing upon the major subject. These curricula leave but little opportunity for free electives but furnish large opportunity for specialization without hampering restrictions.

The reorganized curricula will be fully operative beginning with the academic year 1931-1932, when all candidates for admission will have had opportunity to meet the requirements during the previous two years. It is quite probable, however, that some students will find that their freshman and sophomore work has prepared them to enter one of the new curricula either in 1929 or in 1930. Such students will not only be permitted but urged to make such a beginning with the advice of the department represented by their major subject.

ADMISSION

The statement of the admission requirements to the various senior colleges will be found on page 16. The senior college assumes the completion

*Absent, Acting Executive Dean, Southern Branch, 1927-1929.

of a junior college course or its equivalent, and also assumes a definite educational interest which seems justified by the student's accomplishment in subjects connected with that interest.

DEGREES AND CURRICULA

Curricula are offered 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.; and Bachelor of Science in Pre-Nursing Studies, B.S. (Pre-Nurs.).

GENERAL DEGREE REQUIREMENTS.—All candidates for the degree of Bachelor of Arts must complete, either in the senior college or in the work prerequisite thereto, one year (six credits) in philosophy, and two years (sixteen credits) in foreign language above the two units required for admission.

All candidates for the degree of Bachelor of Science, in whatever curriculum, must complete intermediate or scientific foreign language (French or German).

SPECIFIC DEGREE REQUIREMENTS.—Candidates for any of the degrees must complete the work of one of the curricula, leading to the appropriate degree, listed below. Each curriculum provides for a minimum of sixty semester-credits, with a maximum possible requirement of sixty-four semester-credits; and from twenty to thirty semester-credits in the major subject. Wherever there are options, either with respect to the courses to be completed in the major subject, or in the selection of correlated material, student election must have the approval of the department adviser.

Courses carrying credit in the senior college are limited to those numbered above 50; except that elementary courses in mathematics and in foreign languages may in certain curricula receive senior college credit. It is assumed that all the work of the various curricula should for most satisfactory results be done under the conditions prevailing in the senior college. Accordingly, in order to qualify for a degree, a student who has done his freshman and sophomore work in a junior college, or other institution whose curricula are essentially for students in their first two college years, must present at least fifty-four semester-credits earned in a senior college or the upper division of a degree-granting institution.

Many of the curricula offer options for students who plan to enter the teaching profession. Students who plan to teach in high schools of Idaho or of practically any state, must satisfy a requirement of fifteen credits in Education. These requirements are necessary to secure a state certificate; and in Idaho, Education 5, Idaho Law, Manual, and Civics, must be included.

Each curriculum statement includes one or more of the following sections: (1) PREREQUISITES. These are subject courses which must be completed previous to admission to the senior college. (2) RECOMMENDED PREPARATION. Matter listed under this heading is such as may be consid-

ered desirable to cover in junior college or elsewhere, with the view to a better preparation for the work of the senior college. It is not absolutely required. (3) **REQUIRED.** All matter listed under this heading must be completed to satisfy the course requirements for the curriculum and constitutes the major work of the senior college. (4) **SUGGESTED ELECTIVES.** Under this head are listed courses which are desirable for broadening the work of the senior college or for preparing for specific vocational applications.

COMPREHENSIVE EXAMINATIONS.—The Senior College of Letters and Science plans to administer as a part of the requirement for any degree, a comprehensive examination covering the two-year requirements of any given curriculum. These examinations, however, will not be operative in the academic year 1929-1930. Students beginning any of the re-organized curricula in September, 1929, should be prepared to take a comprehensive examination at the completion of the curriculum in 1931.

CURRICULA

The following are the requirements of the curricula offered in the Senior College of Letters and Science:

ARCHITECTURE

(For the degree of Bachelor of Science)

PREREQUISITES		Credits
History 13-14, and Art 1-2 specified as part of the junior college curriculum.		
Arch. 1-2. Elements of Architecture.....	4	
Arch. 35. Shades and Shadows.....	1	
Arch. 36. Perspective.....	1	
Math. 1-2. Freshman Mathematics.....	8	
Math. 21. Calculus.....	4	
RECOMMENDED PREPARATION		
Art 3-4. Elementary Design.....	4	
REQUIRED		
Art 103-104. Water Color Painting.....	4	
Arch. 113-114. Intermediate Architectural Design.....	6	
Arch. 115-116. Advanced Architectural Design.....	8	
Arch. 151-152. Architectural History.....	6	
Arch. 171-172. Building Construction.....	4	
Arch. 182. Plumbing.....	2	
C.E. 6. Statics (Pre M21-22 and Phys.).....	3	
C.E. 103. Mechanics of Materials (Pre. M21-22 and C. E. 6).....	3	
C.E. 102. Framed Structures (Pre-103).....	3	
C.E. 106. Re-enforced Concrete.....	2	
C.E. 136. Estimates.....	2	
M.E. 124. Heating and Ventilating.....	2	
Math. 22. Calculus.....	4	
SUGGESTED ELECTIVES		
C. E. 124. Contracts.....	2	
Eng. 127. Technical Composition.....	3	

ART

(For the degree of Bachelor of Arts)

PREREQUISITES		Credits
Psych. 1, History 13-14, and Art 1-2 specified as part of the junior college curriculum.		
Art 3-4. Elementary Design.....	4	
Art 35. Shades and Shadows.....	1	
Art 36. Architectural Perspective.....	1	
REQUIRED		
Art 103-104. Water Color Painting.....	6	
Art 105-106. Advanced Freehand Drawing.....	6	
Art 111-112. Advanced Design.....	4	
Art 124. Composition and Illustration..	3	
Art 127-128. Advanced Painting.....	6	
Art 151-152. History of Art.....	4	
C. L. 60. Greek and Roman Art.....	2	
Eng. 171-172. Readings in European Literature.....	6	
History of French, German, or Spanish Civilization (the exact course will depend upon which foreign language is elected).....	6	
SUGGESTED ELECTIVES		
Art for those wishing to do advanced art elsewhere.		
Education for prospective teachers.		
English Literature.		
Science for those wishing to do scientific illustration.		

BACTERIOLOGY

(For the degree of Bachelor of Science)

PREREQUISITES		Credits
Chemistry specified as part of the junior college curriculum.		
	Credits	
Chem. 2. General Chemistry	4	
Chem. 51. Qualitative and Gravimetric Analysis	4	
Chem. 101. Organic Chemistry	4	
RECOMMENDED PREPARATION		
<i>A. For students contemplating graduate work in Bacteriology</i>		
Math. 1-2. Freshman Mathematics.....	8	
<i>B. For prospective laboratory technicians</i>		
Zool. 4. Comparative Anatomy	4	
Zool. 6. Physiology	3	
<i>C. For prospective government Civil Service employees</i>		
Bot. 2. General Botany.....	4	
Bact. 8. Hygiene and Sanitation.....	3	
Zool. 4. Comparative Anatomy	4	
Zool. 6. Physiology	3	
REQUIRED		
Bact. 51. General Bacteriology	4	
Bact. 104. Pathogenic Bacteria	4	
Bact. 105. Bacteriological Technique....	3	
Bact. 106. Dairy Bacteriology	3	
Bact. 109. Immunity	3	
Bact. 110. Serology	3	
Chem. 52. Quantitative Analysis	4	
Chem. 102. Organic Chemistry	4	
Chem. 112. Biochemistry	4	
<i>A. For students contemplating graduate work in Bacteriology</i>		
Math. 51-52. Calculus.....	8	
<i>B. For prospective laboratory technicians</i>		
Zool. 109. Histology	4	
Zool. 110. Parasitology	4	
<i>C. For prospective government Civil Service employees</i>		
Zool. 109-110. Histology and Parasitology, or		
Bot. 110. Mycology and P. P. 101.		
General Plant Pathology.....	7-8	
Bacteriology from elective list below....	10	
SUGGESTED ELECTIVES		
(Ten credits required for government Civil Service)		
Bact. 107. Food	4	
Bact. 111-112. Pro-Seminar	1-4	
Bact. 115-116. Special Problems	1-2	
Bact. 113-114. Public Health Methods ..	2-4	

BOTANY

(For the degree of Bachelor of Science)

PREREQUISITES		Credits
Botany, Chemistry, and Zoology specified as part of the junior college curriculum.		
	Credits	
Bot. 2. General Botany.....	4	
Bot. 53-54. Systematic Botany.....	6	
Chem. 2. General Chemistry.....	4	
Chem. 51. Qualitative Analysis.....	4	
REQUIRED		
Bot. 121-122. Advanced Morphology....	8	
Bot. 102. Plant Physiology	4	
Bot. 110. Mycology	4	
Bot. 106. Plant Ecology	4	
Bot. 123-124. Thesis	2-4	
Bot. 125-126. Pro-Seminar	2	
Bot. 104. Plant Histology or P.P. 101, Plant Pathology	3-4	
<i>A. For students planning to do advanced study</i>		
Chem. 101-102. Organic Chemistry....	8	
Bot. 109. Teaching of Botany.....	2	
<i>B. For prospective teachers</i>		
Fifteen credits in Education, including the Teaching of Botany, and work in some other field of study as a minor teaching subject.		

CHEMISTRY

(For the degree of Bachelor of Science)

PREREQUISITES		Credits
Chemistry specified as part of the junior college curriculum.		
	Credits	
Chem. 2. General Chemistry.....	4	
Chem. 51-52. Qualitative and Quantitative Analysis	8	
Math. 1-2. Freshman Mathematics.....	8	
REQUIRED		
Chem. 101-102. Organic Chemistry.....	8	
Chem. 103. Advanced Quantitative Analysis	2	
Chem. 104. Special Quantitative Analysis	2	
Chem. 105-106. Theoretical and Physical Chemistry	6	
Chem. 109-110. Thesis	2	
Math. 51-52. Calculus	8	
Math. 121-122. Advanced Calculus.....	6	
Phys. 11-12. Engineering Physics.....	10	
Phys. 121-122. Analytical Mechanics....	6	

DRAMATICS AND PUBLIC SPEAKING

(For the degree of Bachelor of Arts)

PREREQUISITES

	Credits
Eng. 31-32. Fundamentals of Speech	4
<i>Choice of one:</i>	
a. Eng. 33-34. Interpretation	4
b. Eng. 35-36. Speaking and Parliamentary Law	4
c. Eng. 71-72. Fundamentals of Play Production	6

By permission these courses may count as required Art in the junior college curriculum.

REQUIRED*A. With major work in Speech*

Eng. 141-142. Shakespeare	6
Eng. 161-162. Development of Public Speaking	4
Eng. 163-164. Advanced Speaking	4
Eng. 165-166. Argumentation and Debate	4
Eng. 167-168. Advanced Interpretation	4-8

B. With major work in Dramatics

	Credits
Eng. 61-62. Elementary Literary Composition	4
Eng. 106. Dramatic Composition	2
Eng. 123. Contemporary Drama	2
Eng. 141-142. Shakespeare	6
Eng. 143-144. Advanced Play Production	6-12

Option I. Fifteen or more credits from either A, B, or C:

A. Philosophy, History, or Sociology courses numbered above 100.

B. Advanced work above degree requirements in Foreign Language and Literature.

*C. Advanced courses in English.**Option II. For prospective teachers:*

Fifteen credits in Education, including special methods in teaching in Dramatics, Public Speaking, Composition, and Literature; and work in some other field of study as a minor teaching subject.

ECONOMICS

(For the degree of Bachelor of Arts)

PREREQUISITES

	Credits
Econ. 51-52. Principles of Economics	6
Bus. 25. Economic Geography	3

RECOMMENDED PREPARATION**REQUIRED**

Econ. 150. Economics of Enterprise or Econ. 159. History of Economic Thought	3
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Choice of 17 to 24 credits from:

Econ. 105-106. Money and Banking	6
Econ. 109. Public Finance	3
Econ. 111. Labor Problems	3
Econ. 173. Trusts	3
Bus. 81-82. Accounting	6

	Credits
Bus. 108. Transportation	3
Bus. 113-114. Statistics	4
Bus. 141. Foreign Trade Merchandising	3
Bus. 167-168. Government Regulation of Business	4
Bus. 169. Marketing	3

Fifteen credits as follows:

Fifteen credits from courses numbered above 100 in the following subjects, to be chosen with the approval of the adviser; 10 credits to be in one field: History, Philosophy, Political Science, Psychology, Sociology.

ENGLISH

(For the degree of Bachelor of Arts)

PREREQUISITES

	Credits
Courses in Public Speaking (Eng. 31-32, 33-34, 35-36); Dramatics (71-72); or Journalism (81-82)	4-6

These courses should be elective in the senior college without credit, provided they cannot be secured in the junior college; by special permission they may be taken for the Art requirement.

REQUIRED

Eng. 132. Chaucer and Middle English	3
Eng. 141-142. Shakespeare	6
Eng. 115-116. Romantic Prose and Poetry	4
Eng. 117-118. Victorian Prose and Poetry	4
Eng. 119-120. American Literature	6

Only the Shakespeare course and the American Literature are likely to be offered every year; the other required courses will probably be offered in alternate years.

Option I. Fifteen or more credits from either A, B, or C

A. Philosophy, History, or Sociology courses numbered above 100.

B. Advanced courses in Foreign Language and Literature.

C. Advanced courses in Journalism, Dramatics, and Public Speaking.

Option II. For prospective teachers

Fifteen credits in Education, including special methods in teaching Literature and Composition, Public Speaking and Dramatics, and Journalism; and work in some other field of study as a minor teaching subject.

SUGGESTED ELECTIVES

	Credits
Eng. 121-122. The Modern Novel.....	4
Eng. 131. Old English Language and Literature	3
Eng. 113-114. The Restoration and Queen Anne Ages.....	4
Eng. 123. Contemporary Drama	2
Eng. 124. Contemporary Non-Dramatic Literature	2

	Credits
Eng. 133-134. Outlines of English Literature	2

Students expecting to do graduate work in English or looking forward to college teaching or teaching in large high schools are recommended to elect the course in Old English Language and Literature.

FRENCH

(For the degree of Bachelor of Arts)

PREREQUISITES

Hist. 13-14. Classical Civilization, specified as part of the junior college curriculum.

Option I

	Credits
Fr. 1-2. Elementary French.....	8
Fr. 13-14. Intermediate French.....	8

Option II

	Credits
Fr. 13-14. Intermediate French	8
Fr. 21-22. Advanced Sophomore French	4

RECOMMENDED PREPARATION

German, Greek, Latin, or Spanish should be elected in the sophomore year, if possible.

REQUIRED

	Credits
Fr. 111-112. Advanced Composition and Conversation	4
Fr. 121-122. Survey of French Literature	6
Fr. 135-136. The Nineteenth Century	6
Fr. 141-142. The Seventeenth Century	6
Choice of:	
Fr. 145-146. Contemporary Literature	6
Fr. 161-162. Directed Reading	4-6
Hist. 141-142. History of French Civilization	4
Eng. 171-172. Readings in European Literature	6

The degree requirement in foreign language must be met by a language other than French.

GEOLOGY

(For the degree of Bachelor of Science)

PREREQUISITES

Physics, Chemistry, Zoology, and Botany specified as part of the junior college curriculum.

	Credits
Math. 1. Freshman Mathematics.....	4
Chem. 2. General Chemistry.....	4
Phys. 2. College Physics.....	4
Geol. 1-2 Introductory and Historical and Physical Geology.....	8

REQUIRED

	Credits
Geol. 101. Advanced Physiography.....	3
Geol. 102. Advanced Stratigraphy	3
Geol. 103-104. General Mineralogy	6
Geol. 108. Rock Minerals and Rocks.....	3

	Credits
Geol. 151-152. Economic Geology	7
Geol. 161. Structural Geology	3

Six credits from the following list:

	Credits
Geol. 164. Optical Mineralogy and Petrography	4
Geol. 162. Sedimentation	3
Geol. 153. Petroleum Geology	3
Geol. 131. Methods of Field Work	2
Geol. 170. Geol. of North America	3

SUGGESTED ELECTIVES

	Credits
Geol. 111. Introductory Paleontology....	3
Geol. 155. Mineralography	2
Geol. 141-142. Current Geologic Literature	2

GERMAN

(For the degree of Bachelor of Arts)

PREREQUISITES

Hist. 13-14. Classical Civilization, specified as part of the junior college curriculum.

	Credits
Ger. 1-2. Elementary German.....	8
Ger. 13-14. Intermediate German.....	8

RECOMMENDED PREPARATION

French, Greek, Latin, or Spanish should be elected in the sophomore year, if possible.

REQUIRED

	Credits
Ger. 111-112. Advanced Composition and Conversation	4

	Credits
Ger. 121-122. Survey of German Literature	6
Ger. 135-136. The Nineteenth Century	6
Ger. 141-142. Schiller	6
Ger. 143-144. Goethe	6
Hist. 151-152. History of German Civilization	4
Eng. 171-172. Readings in European Literature	6

The degree requirement in foreign language must be met by a language other than German.

GREEK

(For the degree of Bachelor of Arts)

PREREQUISITES		Credits
History 13-14 specified as part of the junior college curriculum.		
Greek 1-2. Elementary Greek	8	
Greek 3-4. Intermediate Greek	8	
REQUIRED		
Greek 101. Plato	3	
Greek 102. Greek Tragedy	3	
Greek 103. Herodotus	3	
Greek 104. Theocritus	3	
Greek 105. Greek Lyric Poets	3	
Greek 106. New Testament Greek	3	
Greek 107. History of Greek Literature	2	
Greek 108. Archaeology	2	
Hist. 103-104. Renaissance and Reformation	6	
C.L. 60. Classical Art	2	
Eng. 117-118. Victorian Prose and Poetry	4	

HISTORY

(For the degree of Bachelor of Arts)

PREREQUISITES		Credits
Hist. 21-22. History of the Americas	6	
<i>Choice of:</i>		
Hist. 1-2. History of Civilization	6	
Hist. 13-14. Classical Civilization	6	
REQUIRED		
Hist. 103-104. Renaissance and Reformation	6	
Hist. 105-106. Recent Times	6	
Hist. 107-108. English Constitutional History	6	
Hist. 119. Historical Method	2	
Hist. 121-122. Recent American History	6	
Soc. 141-142. Principles of Sociology	6	
Pol. Sc. 125. Comparative Government	3	
Eng. 171-172. Readings in European Literature	6	
SUGGESTED ELECTIVES		
Hist. 120. Teaching of History	2	

HOME ECONOMICS

(For the degree of Bachelor of Science in Home Economics)

PREREQUISITES		Credits
Zoology, Chemistry, and Physics specified as part of the junior college curriculum.		
Chem. 2. General Chemistry	4	
Chem. 14. Carbon Compounds	3	
Zool. 6. Physiology	3	
H. Ec. 11-12. Art Structure and Design	4	
REQUIRED		
H.Ec. 109. Textiles	2	
*H.Ec. 108. Clothing	3	
†H.Ec. 140. Costume Design	2	
†H.Ec. 82. House Construction	2	
H.Ec. 101-102. Foods	6	
H.Ec. 131. Home Management	2	
†H.Ec. 141. Interior Decoration	2	
H.Ec. 134. Home Nursing	2	
†H.Ec. 105-106. Advanced Clothing	4	
H.Ec. 103-104. Dietetics	6	
H.Ec. 135. Child Development	2	
H.Ec. 136. The Family	2	
H.Ec. 133. Practice Cottage	2	
Bact. 51. General Bacteriology	4	
H.Ec. 152. Special Methods in Teaching Home Economics	2	
H.Ec. 153. Methods in Related Science and Art	2	
H.Ec. 157. Observation and Teaching of Home Economics	4	

Students passing a proficiency test will be excused from two laboratories a week in H.Ec. 56, Elementary Clothing.

†For students taking the Curriculum in Foods and Nutrition, these courses will be replaced by additional chemistry and other related subjects.

JOURNALISM

(For the degree of Bachelor of Arts)

PREREQUISITES		Credits
Psychology 1 specified as part of the junior college curriculum.		
Eng. 81-82. Elements of Journalism	4	
Pol.Sc. 21-22. American Government	6	
An elementary course in a science not included in the junior college curriculum.		
RECOMMENDED PREPARATION		
Agriculture	3-5	
For. 5. General Forestry	2	
Min. 1-2. The Mineral Industry	2	
H.Ec. 1. Cooking and Serving	2	
H.Ec. 21. Clothing	2	
REQUIRED		
Eng. 181-182. Reporting	6	
Eng. 183. Editorial Writing	5	
Eng. 184. News Editing	2	
Eng. 185. History of Journalism	2	
Eng. 186. Special Feature Articles	3	
Eng. 191. Ethics of Journalism	2	
Eng. 192. Law of the Press	2	
Bus. 175. Principles of Advertising	3	

	Credits		Credits
Econ. 51-52. Principles of Economics.....	3-6	Eng. 196. Community Newspaper	2
Advanced credits in a chosen field.....	8	Bus. 165-166. Business Law.....	3-6
SUGGESTED ELECTIVES			
Eng. 83-84. College Journalism.....	1-4	Soc. 141. Principles of Sociology.....	3
Eng. 195. Publicity	2	Eng. 105-106. Advanced Literary Composition	2-4
		Advanced courses in Literature	

LATIN

(For the degree of Bachelor of Arts)

PREREQUISITES		REQUIRED	Credits
Hist. 13-14. Classical Civilization, specified as part of the junior college curriculum.		*Lat. 51-52. Pliny's Letters and Latin Comedy	6
Two years of Latin from the following:		Lat. 101-102. Horace and Livy.....	6
		Lat. 121-122. Directed Reading	6
		Lat. 123. History of Latin Literature	2
		Lat. 111-112. Prose Composition.....	4
Lat. 1-2. Elementary Latin		Lat. 124. Teachers' Course.....	2
Lat. 3-4. Intermediate Latin		C.L. 53-54. Scientific Terminology.....	4
Lat. 51. Pliny's Letters			
Lat. 52. Latin Comedy	14-16	*If not taken in junior college.	

LAW

(For the degrees of B.A. and LL.B.)

(A Combined Six-Year Curriculum)

PREREQUISITES		REQUIRED	
Chemistry, Physics, and Zoology spec- ified as part of the junior college cur- riculum.		Twenty-four credits chosen from the following:	
Choice of one:		Bus. 108. Transportation	3
		Bus. 123. Financial Administration	3
		Bus. 124. Financial Administration	3
		Bus. 133. Commercial Banking Prac- tice	2
		Bus. 136. Investments	3
		Bus. 167-168. Government Regulation of Business	4
		Bus. 178. Risk Bearing and Insurance	3
		Hist. 121-122. Recent American His- tory	6
		Hist. 107-108. English Constitutional History	6
		Econ. 105-106. Money and Banking.....	3
		Econ. 109. Public Finance	3
		Econ. 111. Labor Problems	3
		Advanced courses in foreign languages	
		SENIOR YEAR	
		Law (first year).....	25-27

MATHEMATICS

(For the degree of Bachelor of Science)

PREREQUISITES			Credits
Physics specified as part of the junior college curriculum.		Mechanics (Analytical or Technical)	5-6
		Math. 102, 104, or 142 may be sub- stituted for part of required me- chanics.	
Math. 1-2 or 11-12. Freshman Math- ematics	8-10	SUGGESTED ELECTIVES	
Phys. 2. College Physics.....	4	Phil. 103. Logic.....	3
REQUIRED			
Math. 51-52. Calculus	8	Advanced work in natural science or social science where mathematics may be applied.	
Math. 111. Higher Algebra	3	Education.	
Math. 112. Higher Geometry	3		
Math. 121-122. Advanced Calculus....	6		

MUSIC

(For the degree of Bachelor of Arts)

PREREQUISITES		SUGGESTED ELECTIVES	
	Credits		Credits
Mus. 1-2. Sight Singing and Ear Training	4	Mus. 115-116. Music Literature.....	4
Applied Music (Piano, Voice, or Violin)	4	Applied Music (Piano, Voice, or Violin)	8-16
Mus. 3-4. Harmony	4	Mus. 113. Church Music.....	2
Mus. 13-14. Key Board Harmony.....	2	Phys. 104. Music and Sound.....	4
REQUIRED		Ensemble	2-8
Mus. 101-102. History of Music.....	4	Art	4-16
Mus. 103-104. Form and Analysis.....	4	Literature	6-12
Applied Music (Piano, Voice, or Violin)	16	Additional Language	6-16
		Education	15

MUSIC

(For the degree of Bachelor of Music)

PREREQUISITES		SUGGESTED ELECTIVES	
	Credits		Credits
Prerequisites for this degree are covered by the special curriculum in the junior college outlined on page 46.			
REQUIRED		<i>A. For those studying Piano</i>	
Mus. 101-102. History of Music.....	4	Mus. 117-118. Piano Ensemble	2
Mus. 103-104. Form and Analysis.....	4	Mus. 119-120. Accompanying	2
Mus. 105-106. Counterpoint	4	Mus. 125-126. Piano	10
Mus. 109-110. Instrumental and Vocal Composition	4	Mus. 127-128. Piano	10
Mus. 111-112. Instrumentation and Orchestration	4	<i>B. For those studying Voice</i>	
Mus. 115-116. Music Literature	4	Mus. 135-136. Voice	10
		Mus. 137-138. Voice	10
		Mus. 161-162. Vocal Ensemble	2-4
		Mus. 163-164. Vocal Ensemble	2-4
		<i>For those studying Violin</i>	
		Mus. 145-146. Violin	10
		Mus. 147-148. Violin	10
		Mus. 165-166. Instrumental Ensemble	2-4
		Mus. 167-168. Instrumental Ensemble	2-4

PHILOSOPHY

(For the degree of Bachelor of Arts)

PREREQUISITES		SUGGESTED ELECTIVES	
	Credits		Credits
Phil. 1-2. History of Philosophy.....	6	History	10-18
REQUIRED		Literature and Composition.....	10-18
Phil. 101-102. Ethics	6	Political Science	10-18
Phil. 103. Logic	3	Sociology	6
Phil. 105. Philosophy of Religion.....	3	Economics	10-18
Phil. 106. State and Individual.....	3	Business	10-18
Additional credits in Philosophy courses numbered above 100.....	9	Education	15
*Advanced Science	10-18	*Continuation of sciences already begun.	

PHYSICS

(For the degree of Bachelor of Science)

PREREQUISITES		SUGGESTED ELECTIVES	
	Credits		Credits
Physics and Chemistry specified as part of the junior college curriculum.			
Phys. 2. College Physics.....	4	Phys. 131. Electricity and Magnetism..	2
Chem. 2. General Chemistry.....	4	Phys. 133. Electrical Measurements ..	2
Math. 1-2. Freshman Mathematics.....	8	Phys. 152. Advanced Heat	4
Math. 51. Calculus	4	Phys. 141. Advanced Light	4
REQUIRED		Phys. 161-162. Pro-Seminar	4
Phys. 121-122. Analytical Mechanics....	6	Math. 52. Calculus	4
		Math. 101. Engineering Mathematics....	3
		Math. 121-122. Advanced Calculus.....	6

POLITICAL SCIENCE

(For the degree of Bachelor of Arts)

PREREQUISITES

	Credits
Pol.Sc. 21-22. American Government....	6

REQUIRED

Pol.Sc. 123. State Government	3
Pol.Sc. 124. City and County Government	3
Pol.Sc. 125. Comparative Government..	3
Pol.Sc. 126. Theory of the State.....	3
Pol.Sc. 132. Political Parties and Party Politics	2
Pol.Sc. 136. The American Constitution	3
Pol.Sc. 137. International Relations	3
Economics, Sociology, Philosophy, History (eight to ten credits in one field)	20

The particular aim of the student will be considered in making specific

recommendations. If necessary, adjustments will be made for those students who expect to teach.

SUGGESTED ELECTIVES

	Credits
Bus. 165-166. Business Law	6
Bus. 167-168. Government Regulation of Business	4
Econ. 109. Public Finance	3
Econ. 111. Labor Problems	3
Econ. 173. Trusts	3
Hist. 107-108. English Constitutional History	6
Hist. 113-114. Economic History	6
Hist. 105-106. Recent Times	6
Phil. 108. Plato	3
Phil. 106. State and Individual.....	3
Soc. 141-142. Principles of Sociology..	6

PRE-MEDICAL STUDIES

(For the degree of Bachelor of Science [Pre-Med.])

PREREQUISITES

Zoology, Psychology, Chemistry, and Physics specified as part of the junior college curriculum.

	Credits
Zool. 4. Comparative Anatomy of Vertebrates	4
Chem. 2. General Chemistry.....	4
Chem. 51-52. Qualitative Analysis.....	8
Physics 2. College Physics.....	4

REQUIRED

Zool. 113. Embryology	4
Chem. 101-102. Organic Chemistry.....	8
Math. 1. Freshman Mathematics.....	4
Bact. 51. General Bacteriology.....	4
Eng. 127. Technical Composition.....	3
Completion of 30 credit-hours.	

SENIOR YEAR

OPTION I.—Completion of the first year of medical study at an approved college of medicine.

OPTION II.—Completion of 30 additional approved credits in courses numbered above 100 in the Senior College of Letters and Science, University of Idaho.

SUGGESTED ELECTIVES

	Credits
Zool. 109. Histology	4
Zool. 110. Histological Technique	2
Zool. 111. General Neurology	4
Zool. 115-116. Cytology	8
Zool. 118. Parasitology	4
Zool. 151-152. Photographic Technique ..	4
Chem. 112. Biochemistry	4
Bact. 104. Pathogenic Bacteria.....	4

PRE-NURSING STUDIES

(For the degree of Bachelor of Science [Pre-Nurs.])

PREREQUISITES

Zoology, Psychology, and Chemistry specified as part of the junior college curriculum.

	Credits
Zool. 4. Comparative Anatomy of Vertebrates	4
Chem. 2. General Chemistry.....	4

REQUIRED

Zool. 113. Embryology	4
Zool. 105-106. Human Physiology.....	6
Zool. 103-104. Human Anatomy	4
Chem. 54. Carbon Compounds.....	3
Bact. 51. General Bacteriology.....	4
H.Ec. 1. Cooking and Serving (without credit)	0
Eng. 127. Technical Composition.....	3

SENIOR YEAR

OPTION I.—Graduation from an approved school of nursing.

OPTION II.—Completion of 30 additional approved credits in courses numbered above 100 in the Senior College of Letters and Science, University of Idaho.

SUGGESTED ELECTIVES

	Credits
Zool. 109. Histology	4
Zool. 110. Histological Technique	2
Zool. 111. General Neurology	4
Zool. 115-116. Cytology	8
Zool. 118. Parasitology	4
Zool. 151-152. Photographic Technique ..	4
Bact. 104. Pathogenic Bacteria.....	4

PSYCHOLOGY

(For the degree of Bachelor of Science)

PREREQUISITES		Credits
Physics, Chemistry, Zoology, and Psychology specified as part of the junior college curriculum.		
Phys. 2. College Physics.....	4	
Chem. 2. General Chemistry.....	4	
Zool. 4. Comparative Anatomy of Vertebrates	4	
Psych. 2 or 4. Educational or Applied Psychology	3-4	
REQUIRED		
Psych. 117. Psychological Methods....	3	
Psych. 121-122. Advanced Psychology	8	
Additional credits, selected from courses in Psychology open to undergraduates and numbered above 100..		12
Zool. 105-106. Human Physiology.....	6	
Zool. 111. General Neurology.....	4	
Zool. 113 or 109. Embryology or Histology	4	
Chem. 51. Qualitative Analysis.....	4	
Chem. 101-102. Organic Chemistry.....	8	

SPANISH

(For the degree of Bachelor of Arts)

PREREQUISITES		Credits
Hist. 13-14 specified as part of the junior college curriculum.		
OPTION I.		Credits
Span. 1-2. Elementary Spanish.....	8	
Span. 13-14. Intermediate Spanish.....	8	
OPTION II.		
Span. 13-14. Intermediate Spanish	8	
Span. 21-22. Advanced Sophomore Spanish	4	
RECOMMENDED PREPARATION		
French, German, Greek, or Latin should be elected in the sophomore year, if possible.		
REQUIRED		
Span. 111-112. Advanced Composition and Conversation	4	
Span. 121-122. Survey of Spanish Literature	6	
Span. 135-136. The Nineteenth Century	6	
Span. 141-142. The Golden Age.....	6	
Choice of:		
Span. 145-146. Contemporary Literature	6	
Span. 161-162. Directed Reading	4-6	
Hist. 161-162. History of Spanish Civilization	4	
Eng. 171-172. Readings in European Literature	6	
The degree requirement in foreign language must be met by a language other than Spanish.		

ZOOLOGY

(For the degree of Bachelor of Science)

PREREQUISITES		Credits
Zoology, Botany, and Chemistry specified as part of the junior college curriculum.		
		Credits
Zool. 4. Comparative Anatomy of Vertebrates	4	
Chem. 2. General Chemistry.....	4	
Chem. 51. Qualitative Analysis.....	4	
RECOMMENDED PREPARATION		
Ent. 1. General Entomology.....	3	
REQUIRED		
Zool. 58. Heredity and Eugenics.....	2	
Zool. 113. Embryology	4	
Zool. 109. Histology	4	
Zool. 110. Histological Technique	2	
Zool. 115. Cytology	4	
Zool. 107. Organic Evolution	3	
Zool. 161-162. Pro-Seminar	4	
Bot. 122. Advanced Morphology	4	
Bot. 54. Systematic Botany	3	
Chem. 101-102. Organic Chemistry.....	8	
Bact. 51. General Bacteriology.....	4	
SUGGESTED ELECTIVES		
Zool. 53. Invertebrate Zoology	4	
Zool. 68. Ornithology	3	
Zool. 118. Parasitology	4	
Zool. 111. General Neurology	4	
Zool. 116. Cytology	4	
Zool. 151-152. Photographic Technique	4	
Zool. 105-106. Human Physiology	6	
Zool. 103-104. Human Anatomy	4	
Zool. 119-120. Thesis	2	
Chem. 52. Quantitative Analysis	4	
Chem. 112. Biochemistry	4	
Bot. 104. Plant Histology	3	
Bot. 102. Plant Physiology	4	
Education	15	

THE COLLEGE OF AGRICULTURE

EDWARD JOHN IDDINGS, M.S.	<i>Dean of the College</i>
CHARLES W. HUNGERFORD, Ph.D.	<i>Assistant Dean</i>
GRACE B. RAEDER	<i>Secretary of the College Faculty</i>
FLOYD WARNICK ATKESON, B.S. (AGR.)	<i>Chairman of the Scholarship Committee</i>
HERBERT ELMER LATTIG, M.S. (ED.),	<i>Chairman of the Curriculum Committee</i>
HAROLD WATKINS HULBERT, M.S. (AGR.)	<i>Chairman of the Publications Committee</i>

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, classroom, 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 complete courses 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 grading, 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, 64 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 25 purebred draft horses, representing three breeds; 65 head of beef cattle representing three breeds; 150 head of purebred 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, feeding, 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 library.

BOTANY.—In the 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 ninety 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 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 mammoth incubators; 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. A library, maintained in the office in Morrill Hall, is provided with all the latest poultry books, magazines, and bulletins.

ZOOLOGY.—In the College of Letters and Science.

ADMISSION

Admission requirements* are presented on page 10 and following.

DEGREES

Curricula of study are offered toward the degree, Bachelor of Science in Agriculture. Requirements for the degree, Master of Science in Agriculture, will be found in the section of the catalog devoted to the Graduate School.

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.

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 economics, 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

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

†The Curriculum in Agricultural Engineering is offered jointly by the College of Agriculture and the College of Engineering and will be found outlined in the section of the catalog devoted to the College of Engineering.

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.

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.

CURRICULUM IN AGRICULTURE

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition....	3	Chem. 2. General Chemistry.....	4
Chem. 1. General Chemistry....	4	Zool. 1. or †Physics 1.....	4
Bot. 11. General Agricultural Botany	5	Hort. 2. Intro. to Horticulture	4
Agron. 1. General Crop Production	4	A.E. 4. General Agricultural Engineering	3
Mil. 1. Freshman Military.....	1½	Mil. 2. Freshman Military.....	1½
P.E. 31. Freshman Sports.....	½	P.E. 32. Freshman Sports.....	½
Total	18	Total	17

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 13. Organic Chemistry....	4	Ag. Chem. 2-2a. Agricultural Chemistry	4
Civ. 1. Contemporary Civilization	3	Civ. 2. Contemporary Civilization	3
Math. 3. Freshman Mathematics	3	Bact. 101. General Bacteriology	4
‡A.H. 1. General Animal Husbandry	5	‡D.H. 2. Elements of Dairying	4
Mil. 3. Sophomore Military.....	1½	Mil. 4. Sophomore Military.....	1½
P.E. 33. Sophomore Sports.....	½	P.E. 34. Sophomore Sports.....	½
Total	17	Total	17

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 13. Agricultural Economics	3	Eng. 127. Technical Composition	3
§Ent. 1. General Entomology.....	3	§P.P. 101. General Plant Pathology	3
§Agron. 151. General Soils.....	3	Major Requirements	12
Major Requirements	9	Total	18
Total	18	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Minimum Major Requirements....	7	Minimum Major Requirements....	4
Selected Courses	12	Selected Courses	14
Total	19	Total	18

SUMMARY

Required Basic Courses.....	84 credits or ||89 credits
Major Requirements and Related Courses....	32
Elective	26
Total Required for Graduation.....	142

†Students who present one year of high-school physics for entrance are not required to take Physics 1.

‡At Southern Branch (sophomore year): In first semester, substitute General Entomology, 3 credits, and General Soils, 3 credits, for General Animal Husbandry, 5 credits; and in second semester, substitute General Plant Pathology, 3 credits, for Elements of Dairying, 4 credits.

§Students who come from the Southern Branch will substitute General Animal Husbandry, 5 credits, for General Entomology, 3 credits, and General Soils, 3 credits, in the first semester; and will substitute Elements of Dairying, 4 credits, for General Plant Pathology, 3 credits, in the second semester.

||Those who enter without high-school physics.

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.

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 economics, 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 the entire curriculum* is outlined. 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-one to twenty-six credits are elective.

ADULT SPECIAL STUDENTS

Students who are twenty-one years of age or older may enter as special students and take courses selected to suit their special needs. Such students, by omitting some of the requirements for the degree, may take agricultural courses of direct and practical value in meeting farm production and agricultural marketing problems.

SHORT COURSES

COMMERCIAL DAIRYING

Oct. 28, 1929, to March 28, 1930

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

*For this curriculum, see under College of Engineering.

A three-story brick building devoted entirely to the work in dairying provides space for classrooms 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.

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. 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 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.

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 28 to March 28.

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	Dairy Bacteriology	0	4
Market Poultry and Eggs	1	2	Scoring Milk, Butter, Cheese and Ice Cream	0	2
Factory Tests	0	2			
Total	10	18	Total	11	16

MOTOR MECHANICS AND POWER FARMING

Twenty Weeks' Course, Oct. 28, 1929, to March 28, 1930

The course consists of practical instruction in the repair of automobiles, tractors and trucks, with sufficient general background to give students a working knowledge of modern shop practice.

The work is grouped in special courses such as motor repair, ignition, generators and starting motors, and storage batteries. Machine shop work and oxy-acetylene welding are included in an endeavor to keep the instruction of a commercial character and to meet the needs of the mechanic in

charge of shop work or the operation and maintenance of modern power and machine equipment used in agriculture.

The first sixteen weeks are divided into two eight-week periods in which most of the instruction is given. The last four weeks are devoted to shop and service practice. During this period the repair jobs are placed on a work order and flat rate basis. The course is under the direction of the Agricultural Engineering Department. In addition to the fees for health, student association, and breakage required of other special students (see page 66) a general laboratory fee of \$5 a term is required. If the work in oxy-acetylene welding is taken the general fee will be increased to \$10 for the one term.

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.

Curriculum in Motor Mechanics

FIRST TERM			SECOND TERM		
Course	Hours		Course	Hours	
	Lect.	Lab.		Lect.	Lab.
Shop Practice	1	3	Tractors	2	3
Shop Mathematics	3		Machine Shop	1	8
Storage Batteries	1	3	Generators	1	3
Drafting	1	3	Motor Repair	2	6
Motor Repair	2	8	Ignition	2	3
Ignition	2	6	Starting Motors	1	3
Welding	1	8	Auto Chassis	1	6
Total	11	31	Total	10	32

Four Weeks of Applied Repair Shop Practice

A certificate will be issued upon the completion of six months' satisfactory work in the field.

TRACTOR SHORT COURSE

Jan. 27 to Feb. 8, 1930

The farmers' tractor short course provides two weeks of intensive training in the major repair and maintenance jobs required by the operation of modern power equipment. The first week's instruction includes the shop repair work such as bearing fitting, valve grinding, piston ring fitting, etc. If the student desires he may take advantage of the shop's modern equipment and overhaul his own engine, tractor or magneto. During the second week special work is provided on the individual tractor and the instruction is conducted by the field men from the various tractor factories. Owners of combines as well as tractors will find the work of benefit.

Students having an eighth grade education or the equivalent and who are at least sixteen years of age may enter the course.

A laboratory fee of \$2, covering the cost of materials used in the shop, is required.

POULTRY HUSBANDRY

One Week's Course, Feb. 3 to Feb. 8, 1930

The aim of the poultry short course is to present such technical information, with the discussion of its practical application, that poultry raising

may be more profitably carried on. Present day problems are discussed and the results of recent experimental work presented. The curriculum includes a study and discussion of all the important phases of poultry raising and of various problems concerned in the marketing of poultry products.

The course is open to anyone. There are no entrance requirements and no tuition is charged.

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.

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.

AGRICULTURAL ENGINEERING.—The laboratories of all engineering departments are used by the students in this curriculum. The Agricultural Engineering Department possesses well equipped shops and laboratories for its special fields of work.

ADMISSION AND DEGREES

ADMISSION.—For a statement of admission requirements see page 10 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.); Bachelor of Science in Agricultural Engineering, B.S.(A.E.).

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

The degree, Bachelor of Science in Agricultural Engineering, B.S.(A.E.), may be granted to students who have completed a four-year course in civil, mechanical, or electrical engineering followed by one year of prescribed work approved by the faculties concerned.

REQUIREMENTS FOR GRADUATION

Students in all four-year curricula except Agricultural Engineering, 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
Mil. 1. Freshman Military.....	1½	M.E. 2. Forge Shop.....	1
P.E. 31. Freshman Sports.....	½	Mil. 2. Freshman Military.....	1½
Engineering Lectures		P.E. 32. Freshman Sports.....	½
		Engineering Lectures	
Total	19	Total	18

To obtain the recommendation of the faculty for the degree of Bachelor of Science in Civil, Electrical, Mechanical, or Chemical Engineering the candidate must have completed, in addition to the common freshman year above, the curriculum corresponding to the degree as outlined below.

Candidates for the degree of Bachelor of Science in Agricultural Engineering must have completed the curriculum as shown on page 72. The freshman year in the curriculum differs slightly from the freshman year common to the other four divisions of engineering.

The Department of Agricultural Engineering is administered jointly by the colleges of Engineering and Agriculture.

CURRICULUM IN CIVIL ENGINEERING SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 51. Calculus.....	4	Math. 52. 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.....	1½	C.E. 8. Railroad Curves.....	1
P.E. 33. Sophomore Sports.....	½	Mil. 4. Sophomore Military.....	1½
		P.E. 34. Sophomore Sports.....	½
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 and Boilers	3
C.E. 105. Roads and Pavements	3	C.E. 104. Hydraulics	3
C.E. 107. Railroad Engineering	4	Eng. 127. Technical Composition	3
C.E. 109. Materials Laboratory	2	E.E. 132. A. C. Machinery	2
E.E. 131. D. C. Machinery	3	C.E. 106. Reinforced Concrete	2
*Elective	2	*Elective	2
Total	19	Total	18

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
*Elective	7	C.E. 138. Valuations and Rates	2
		C.E. 128. Pro-Seminar	1
		*Elective	3
Total	18	Total	18

Total credits required.....146

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. 51. Calculus	4	Math. 52. 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. Engineering	3
Mil. 3. Sophomore Military	1½	Mil. 4. Sophomore Military	1½
P.E. 33. Sophomore Sports	½	P.E. 34. Sophomore Sports	½
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 Elec. Eng.	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. Elec. and Magnetism	2	E.E. 136. E. E. Laboratory	2
Phys. 133. Elec. Measurements	2	C.E. 109. Materials Laboratory	1
		Eng. 127. Technical Composition	3
Total	18	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 Pro-Seminar	1	E.E. 150. Radio Engineering	3
E.E. 147. Electrical Design	3	C.E. 124. Contracts and Specific.	2
*Elective	5	*Elective	5
Total	18	Total	18

Total credits required.....146

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

CURRICULUM IN MECHANICAL ENGINEERING SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 51. Calculus.....	4	C.E. 6. Mechanics (Statics).....	3
Phys. 11. Engineering Physics.....	5	Math. 52. 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.....	1½	Mil. 4. Sophomore Military.....	1½
P.E. 33. Sophomore Sports.....	½	P.E. 34. Sophomore Sports.....	½
Total	18	Total	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics).....	2	M.E. 122. Thermodynamics II.....	2
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 Elec. Eng.....	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. Materials Laboratory.....	2	C.E. 104. Hydraulics.....	3
M.E. 123. Machine Design.....	3	Eng. 127. Technical 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 and Specific.....	2
M.E. 127. M. E. Laboratory (Gas).....	2	M.E. 140. Pro-Seminar.....	1
*Elective	5	M.E. 150. Thesis.....	3
Total	18	*Elective	6
Total	18	Total	18

Total credits required.....145

CURRICULUM IN CHEMICAL ENGINEERING SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 51. Calculus.....	4	Math. 52. Calculus.....	4
Ger. 1. Elementary German.....	4	Ger. 2. Elementary German.....	4
Chem. 51. Qualitative Analysis.....	4	Chem. 52. Quantitative Analysis.....	4
Phys. 11. Engineering Physics.....	5	Phys. 12. Engineering Physics.....	5
Mil. 3. Sophomore Military.....	1½	Mil. 4. Sophomore Military.....	1½
P.E. 33. Sophomore Sports.....	½	P.E. 34. Sophomore Sports.....	½
Total	19	Total	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 127. Technical Composition.....	3	Ger. 14. Intermediate German.....	4
Ger. 13. Intermediate German.....	4	C.E. 6. Mechanics (Statics).....	3
Chem. 101. Organic Chemistry.....	4	Chem. 102. Organic Chemistry.....	4
Chem. 103. Adv. Quant. Analysis.....	3	Chem. 104. Special Quant. Anal.....	1
E.E. 131. Direct Current Mach.....	2	E.E. 132. A. C. Machinery.....	2
M.E. 121. Thermodynamics II.....	3	M.E. 128. M. E. Laboratory.....	2
Total	19	*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
Chem. 107. Industrial Chemistry	4	Chem. 108. Industrial Chemistry	2
Chem. 105. Theoretical and Physical Chemistry	3	Chem. 106. Theoretical and 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	C.E. 3a. Surveying	2
C.E. 109. Materials Laboratory	2	C.E. 124. Contracts and Specific.	2
Chem. 109. Thesis	1	Chem. 110. Thesis	3
Total	18	Total	17
Total credits required		147	

CURRICULUM IN AGRICULTURAL ENGINEERING

Administered Jointly by the Colleges of Engineering and Agriculture

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 11. Freshman Mathematics	5	Math. 12. Freshman Mathematics	5
Eng. 1. Freshman Composition	3	Eng. 2. Freshman Composition	3
C.E. 11. Engineering Drafting	3	D.H. 2. Dairy Husbandry	4
Bot. 11. General Ag. Botany	5	A.E. 4. Agricultural Engineering	3
Mil. 1. Freshman Military	1½	M.E. 2. Forge Shop	1
P.E. 31. Freshman Sports	½	Mil. 2. Freshman Military	1½
Engineering Lectures		P.E. 32. Freshman Sports	½
		Engineering Lectures	
Total	18	Total	18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 51. Calculus	4	Math. 52. Calculus	4
Phys. 11. Engineering Physics	5	Phys. 12. Engineering Physics	5
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 3. Surveying	3	C.E. 6. Mechanics (Statics)	3
Mil. 3. Sophomore Military	1½	Mil. 4. Sophomore Military	1½
P.E. 33. Sophomore Sports	½	P.E. 34. Sophomore Sports	½
Total	18	Total	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics)	2	Eng. 127. Technical Composition	3
C.E. 103. Mechanics of Materials	3	C.E. 104. Hydraulics	3
Econ. 13. Agricultural Economics	3	A.E. 12. Water Supply and San.	2
Agron. 1. General Crop Production	4	C.E. 102. Framed Structures	3
A.H. 1. Animal Husbandry	5	C.E. 106. Reinforced Concrete	2
A.E. 33. Gas Engines	2	A.E. 134. Farm Machinery	2
		C.E. 109. Materials Laboratory	1
		*Elective	3
Total	19	Total	19

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
A.E. 105. Pro-Seminar	1	A.E. 106. Pro-Seminar	1
Geol. 1. General Geology	4	C.E. 124. Contracts and Specific.	2
E.E. 133. Prin. of E. E.	3	E.E. 134. A. C. Machinery	3
E.E. 135a. E. E. Laboratory	2	E.E. 136a. E. E. Laboratory	2
A.E. 7. Farm Buildings	3	A.E. 104. Machine Meth. in Agr.	3
Agron. 151. General Soils	4	A.E. 164. Irrigation Practice	3
*Elective	2	*Elective	4
Total	19	Total	18
Total credits required		147	

*Electives must be approved by the Dean of the college in charge.

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	Machine Shop	2
Pattern Making	1	Foundry	1
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., S.J.D. *Dean of the College*

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.

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 thoro 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 teaching. 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 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 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 successful study and practice of the law 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.

Within the past twenty-five years study in offices as a means of preparation for the bar has practically disappeared. The change in methods and character of legal practice has made necessary this change in legal education. In consequence the law schools have developed in number and in efficiency.

While familiarity with the routine work of the law office is of great value, if not indispensable before the young lawyer can assume the responsibilities of a separate practice, yet if such experience is to be utilized to its full extent it must be preceded by a thoro systematic training in the principles of law. Such a training is to be had only in a law school of high standards.

The American Bar Association 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.

In 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.

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 also 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

Admission requirements are stated on page 16.

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.

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-eight 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.

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

Requirements of the College of Letters and Science for the combined course are stated on page 57.

ADMISSION TO ADVANCED STANDING

Students who have completed one or more years of study in approved law schools may apply for admission to advanced standing.

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-two 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 take work in the College of Law upon the consent of the instructor concerned.

PRACTICE COURT AND PROCEDURE

Exercises in trial practice are 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 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 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 the students will encounter problems that arise most frequently in practice. The students are also 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 and is also the seat of the United States District Court for the Central Division of Idaho. 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 contain a growing law library of more than nine 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; American State Reports; Lawyers' Reports Annotated; American

Law Reports; American and English Annotated Cases; English Ruling Cases; British Ruling Cases; American Negligence and Compensation Cases; 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. The Idaho Law School is given Class A 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 three-fourths of the law credits offered are above grade D. 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

The 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.

Other fees and expenses are stated beginning on page 18.

COURSES OF INSTRUCTION

The course of study covers three academic years. The classroom work occupies a minimum of twelve hours a week. 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.

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

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Law 101. Contracts.....	3	Law 102. Contracts.....	3
Law 105. Criminal Law.....	3	Law 104. Agency.....	3
Law 109. Civil Procedure.....	3	Law 112. Rights in Land.....	3
Law 111. Personal Property.....	2	Law 116. Torts.....	3
Law 115. Torts.....	2	Law 211. Wills.....	2
Total	13	Total	14

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 210. Professional Ethics.....	2
†Law 217. Public Utilities.....	2	*Law 216. Mining Rights.....	2
†Law 221. Sales.....	3	†Law 218. Negotiable Instruments.....	3
†Law 228. Water Rights.....	2	*Law 212. Titles to Real Estate.....	3
†Law 234. Community Property.....	2	†Law 224. Mortgages.....	2
Total	12	Total	14

*Offered in 1929-30 and in alternate years.

†Offered in 1930-31 and in alternate years.

‡Omitted in 1929-30.

THE SCHOOL OF MINES

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 offered in the Graduate School.

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), the largest electrolytic zinc plant yet built (Great Falls), and the now famous Tainton Electrolytic Zinc Plant of the Sullivan Mining Company at Kellogg, Idaho. Easily within this radius are the great concentrator and refineries of the Consolidated Mining and Smelting Company of Canada, located in British Columbia. In addition to these there lies within this circle a great multitude of moderate-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, ore dressing, 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 built up.

GENERAL INFORMATION

FEES AND EXPENSES.—For a statement of fees and expenses see page 18 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 co-operative 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 professor of metallurgy and his assistants and 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, and those of a general nature confronting the industry.

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 10.

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	Math. 2. Freshman Mathematics.....	4
Chem. 1. General Chemistry.....	4	Chem. 2. General Chemistry.....	4
C.E. 1. Engineering Drafting.....	4	C.E. 2. Descriptive Geometry.....	3
Mil. 1. Freshman Military.....	1½	Mil. 2. Freshman Military.....	1½
P.E. 31. Freshman Sports.....	½	P.E. 32. Freshman Sports.....	½
Total	18	Total	17

GEOLOGICAL OPTION

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Geol. 1. Introductory Geology.....	4	Geol. 2. Historical and Physical Geology	4
Geol. 103. Mineralogy.....	3	Geol. 104. Mineralogy.....	3
Phys. 1. Elementary Physics.....	4	Phys. 2. College Physics.....	4
Econ. 11. Principles of Economics.....	4	Econ. 12. Principles of Economics.....	4
Mil. 3. Sophomore Military.....	1½	Mil. 4. Sophomore Military.....	1½
P.E. 33. Sophomore Sports	½	P.E. 33. Sophomore Sports.....	½
C.E. 3. Surveying	4	C.E. 3. Surveying.....	4
Total	21	Total	20

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Min. 101. Elements of Mining.....	3	Geol. 152. Economic Geology	4
Chem. 151. Qualitative Analysis.....	4	Geol. 102. Advanced Stratigraphy	3
Geol. 101. Advanced Physiography.....	3	Geol. 108. Rock Minerals and Rocks.....	3
Met. 103. Fire Assaying.....	3	Eng. 127. Technical Composition.....	3
Geol. 151. Economic Geology.....	3	Elective	5
Elective	2		
Total	18	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Min. 105. Mining Economics.....	3	Min. 106. Mine Surveying.....	2
Geol. 161. Structural Geology	3	Met. 102. General Metallurgy.....	3
Geol. 155. Mineragraphy	2	Min. 110. Senior Trip.....	2
Geol. 153. Petroleum Geology or Geol. 111. Introductory Paleontology.....	3	Geol. 164. Optical Mineralogy and Petrography	4
Geol. 131. Methods of Geological Field Work	2	Geol. 200. Thesis	2
Elective	5	Elective	5
Total	18	Total	18

MINING OPTION

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 51. Calculus.....	4	Math. 52. 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.....	1½	Mil. 4. Sophomore Military.....	1½
P. E. 33. Sophomore Sports.....	½	P.E. 34. Sophomore Sports	½
Total	18	Total	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 51. Qualitative Analysis.....	4	Chem. 52. Quantitative Analysis.....	4
C. E. 3. Surveying.....	4	C.E. 4. Surveying	3
Met. 103. Fire Assaying.....	3	P.E. 34. Sophomore Sports.....	1/2
Econ. 11. Principles of Economics.....	4	Eng. 127. Technical Composition.....	3
Elective	2	Met. 102. General Metallurgy.....	3
		Econ. 52. 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
Geol. 161. Structural Geology.....	3	Min. 200. Thesis.....	2
Elective	2	Geol. 108. Rock Minerals and Rocks	3
		Elective	5
Total	20	Total	19

METALLURGY OPTION

The Metallurgy Option is the same as the Mining Option, except that in the senior year the following substitutions are made: First semester, Met. 105, Metallurgy of Copper and Lead, 2 credits, instead of Geol. 161, Structural Geology, 3 credits, increasing the number of elective credits to three; second semester, Met. 106, Metallurgy of Iron and Steel, 1 credit, and Met. 109, Electro-Metallurgy, 1 credit, reducing the number of elective credits to three.

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 co-operate. 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 standardization 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 18.

ADMISSION AND DEGREES

For a statement of admission requirements see page 10.

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.

CURRICULA

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	*Phys. 1. or 2. General Physics or	
For. 1. Elements of Forestry.....	2	Math. 2. Freshman Mathematics.....	4
Bot. 1. General Botany.....	4	Bot. 2. General Botany.....	4
C.E. 11. Engineering Drafting.....	3	For. 10. Dendrology.....	4
Mil. 1. Freshman Military.....	1½	For. 61. Fire Protection.....	2
P.E. 31. Freshman Sports.....	½	Mil. 2. Freshman Military.....	1½
		P.E. 32. Freshman Sports.....	½
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. Found. of Silviculture.....	3	For. 26. Seeding and Planting.....	2
Civ. 1. Contemporary Civilization.....	3	Civ. 2. Contemporary Civilization.....	3
Mil. 3. Sophomore Military.....	1½	Mil. 4. Sophomore Military.....	1½
P.E. 33. Sophomore Sports.....	½	P.E. 34. Sophomore Sports.....	½
Total	19	Total	18

*Students majoring in Logging Engineering will elect Mathematics 2. Students majoring in General Forestry or Range Management, who have not had high-school physics will elect Physics 1, and those who have had high-school physics will elect Physics 2.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
For. 21. Forest Resources.....	2	Ent. 6. Forest Insects.....	3
For. 151. Range Management.....	3	Bot. 102. Plant Physiology.....	4
For. 131. Wood Technology.....	4	For. 140. Forest Economics.....	2
For. 141. For. History and Policy.....	3	For. 154. Forest Mensuration.....	3
For. 153. Forest Mensuration.....	3	For. 164. Forest Pathology.....	2
For. 191. For. Research Methods..	2	Elective	2
Total	17	Total	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
For. 123. Practice of Silviculture.....	3	For. 136. Seasoning and Preser- vation of Wood.....	3
For. 133. Forest By-Products.....	2	For. 142. Forest Administration.....	2
For. 155. Forest Management.....	4	For. 156. Forest Management.....	3
For. 157. Forest Mensuration.....	3	For. 172. Lumber Manufacturing and Distribution	2
For. 171. Logging.....	3	For. 180. Thesis.....	2
Elective	2	Elective	4
Total	17	Total	16

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. 1. Principles of Economics.....	4
Chem. 1. General Chemistry.....	4	Chem. 1. General Chemistry.....	4
C.E. 3. Plane Surveying.....	3	C.E. 4. Topographic Surveying..	3
Math. 51. Calculus.....	4	Math. 52. Calculus.....	4
For. 23. Foundations of Silvicult.	3	C.E. 8. Railroad Curves.....	1
Mil. 3. Sophomore Military.....	1½	For. 26. Seeding and Planting.....	2
P.E. 33. Sophomore Sports.....	½	Mil. 4. Sophomore Military.....	1½
Total	20	P.E. 34. Sophomore Sports.....	½
		Total	20

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 107. Railroad Engineering.....	5	C.E. 6. Mechanics (Statics).....	3
For. 21. Forest Resources.....	2	For. 140. Forest Economics.....	2
For. 131. Wood Technology.....	4	For. 154. Forest Mensuration.....	3
For. 153. Forest Mensuration.....	3	For. 164. Forest Pathology.....	2
For. 191. Forest Research Methods.....	2	Elective	4
Total	16	Total	14

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics).....	2	For. 136. Seasoning and Preser- vation of Wood.....	3
For. 123. Practice of Silviculture.....	3	For. 156. Forest Management.....	3
For. 133. Forest By-Products.....	2	For. 172. Lumber Manufacturing and Distribution	2
For. 155. Forest Management.....	4	For. 180. Thesis.....	2
For. 157. Forest Mensuration.....	3	Elective	6
For. 171. Logging.....	3	Total	16
Total	17	Total	16

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. Plane Surveying.....	3	C.E. 4. Topographic Surveying.....	3
For. 23. Found. of Silviculture.....	3	For. 26. Seeding and Planting.....	2
Civ. 1. Contemporary Civilization.....	3	Civ. 2. Contemporary Civilization.....	3
Mil. 3. Sophomore Military.....	1½	Mil. 4. Sophomore Military.....	1½
P.E. 33. Sophomore Sports.....	½	P.E. 34. Sophomore Sports.....	½
Total	19	Total	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bot. 13. Systematic Botany.....	3	Bot. 14. Systematic Botany.....	3
For. 151. Range Management.....	3	Bot. 102. Plant Physiology.....	4
For. 131. Wood Technology.....	4	Ent. 6. Forest Insects.....	3
For. 141. Forest History and Policy	3	For. 152. Native Forage Plants.....	3
For. 153. Forest Mensuration.....	3	For. 154. Forest Mensuration.....	3
Total	16	For. 164. Forest Pathology.....	2
		Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
A.H. 1. Market Types of Live- stock	3	A.H. 142. Range Livestock Management	2
For. 123. Practice of Silviculture.....	3	Bot. 106. Plant Ecology.....	4
For. 155. Forest Management.....	4	For. 142. Forest Administration.....	2
For. 157. Forest Mensuration.....	3	For. 156. Forest Management.....	3
For. 171. Logging.....	3	For. 180. Thesis.....	2
Total	16	Elective	3
		Total	16

Total credits required for graduation, 140

THE SCHOOL OF EDUCATION

JAMES FRANKLIN MESSENGER, PH.D.....*Dean of the School*
 BERNICE MCCOY, M.S.(ED.).....*Secretary of the Faculty*

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. Beginning in September, 1929, the school will be organized as a senior college of the University.

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 18.

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 prepared 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 personal philosophy of life, which gives 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.—Students who have completed two years in an accredited college or normal school will be admitted to junior standing. (See the paragraph entitled *Admission to Senior Colleges* on page 16.) Suggestions for high-school graduates looking forward to entering the School of Education are contained in the general tables of University admission requirements on pages 12 and 13. Educational Psychology should be taken before entering the School of Education. Those students who have not presented it will be required to make it up without credit.

DEGREE.—Upon completion of all requirements the degree of Bachelor of Science in Education will be given. Requirements for the degree, Master of Science in Education, are stated in the description of work of the Graduate School.

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 complete the course in Idaho Law, Manual, and Civics.

Students in other divisions of the University who wish to be recommended for high-school certificates must complete not fewer than fifteen credits in Education, including Secondary Education, High-School Methods, and Idaho Law, Manual, and Civics.

POSITIONS.—The University maintains a placement 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.

GENERAL CURRICULUM IN EDUCATION**PROFESSIONAL COURSES REQUIRED**

PREREQUISITE		Credits
Psych. 2. Educational Psychology.....	3	Ed. 114. High-School Methods 3
REQUIRED		*Ed. 131. Practice Teaching..... 3
Ed. 105-106. History of Education.....	6	Ed. 55. School Law and Manual..... 2
Ed. 113. Secondary Education, or		†Special Methods 2
Ed. 111. Junior High School.....	3	

TEACHING SUBJECTS

Each student must choose two teaching subjects from the following fields: art, botany, chemistry, economics, English, dramatics and public speaking, French, German general science, history, Latin, mathematics, manual training, music, political science and sociology, physics, Spanish, zoology.

The minimum requirements in teaching subjects will be as follows: In English and foreign languages, 18 hours beyond the elementary course. By "elementary course" in English is meant English Composition in college. By "elementary course" in foreign language is meant two years in high school or one year in college. In all other subjects the minimum is 16 hours of college work plus two hours of special methods, when such course is offered. These requirements include the work done in the junior college as well as in the senior college.

CURRICULUM FOR COMMERCIAL TEACHERS

In co-operation 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 of Bachelor of Science in Education.

PREREQUISITES		Credits		Credits
Econ. 51. Principles of Economics.....	3	Bus. 81-82 Principles of Accounting.....	6	
Econ. 52. Principles of Economics.....	3	Bus. 71-72. Dictation	6	
Bus.E. Typewriting	0	Bus. 161. Office Management.....	3	
Bus.F. Typewriting	0	Bus. 165-166. Business Law	6	
Bus. 15. Gregg Shorthand	3	Bus. 192. Methods in Commercial		
Bus. 16. Gregg Shorthand	3	Teaching	3	
Psych. 2. Educational Psychology.....	3	Ed. 113. Secondary Education	3	
		Ed. 131. Observation and Practice		
		Teaching	3	
REQUIRED				
Ed. 105-106. History of Education.....	6	Ed. 114. High-School Methods	3	

CURRICULUM IN PUBLIC SCHOOL MUSIC

For the degree of Bachelor of Science in Music Education, B. S. (Mus. Ed.)

PREREQUISITES		Credits
Graduation from the junior college.		
Specified as part of the junior college curriculum:		
Mus. 1-2. Sight Singing and Ear-training	Psych. 2. Educational Psychology.....	3
Mus. 3-4. Harmony	Mus. 101-102. History of Music.....	4
Mus. 13-14. Keyboard Harmony	Mus. 103-104. Form and Analysis.....	4
Applied Music, 8 credits	Mus. 108. Piano Class Methods.....	1
	Mus. 111-112. Instrumentation and Orchestration	4
	Mus. 115-116. Music Literature	4
	Mus. 171. Elementary School Music....	4
	Mus. 172. Practice Teaching	3
	Mus. 177-178. High School Music.....	6
	Ensemble (Vocal or Instrumental).....	4
	Applied Music	16
REQUIRED		
Ed. 105-106. History of Education.....		6
Ed. 113. Secondary Education.....		3
Ed. 55. Idaho Law, Manual, and Civics		2

*Those who have had satisfactory experience in teaching may substitute an elective course in Education for Practice Teaching.

†May be omitted with the approval of the Dean of the School of Education.

PHYSICAL EDUCATION FOR WOMEN

PREREQUISITES		Credits		Credits
Zool. 1. General Zoology	.....	4	P.E. 106. Festivals and Pageantry	2
P.E. 9. Beginning Dancing	.....	1	P.E. 109. Advanced Dancing	1
P.E. 10. Beginning Dancing	.....	1	P.E. 110. Advanced Dancing	1
P.E. 59. Women's Athletics	.....	1	P.E. 111. Clog Dancing and Natural	1
P.E. 60. Women's Athletics	.....	1	Gymnastics	1
Psych. 1. General Psychology	.....	4	P.E. 112. Clog Dancing and Natural	1
Psych. 2. Educational Psychology	.....	3	Gymnastics	1
REQUIRED			P.E. 114. Teaching of Folk Dancing	1
Zool. 103. Human Anatomy	.....	2	P.E. 121. Teaching of Individual	2
Zool. 104. Human Anatomy	.....	2	Gymnastics	2
Zool. 105. Physiology	.....	3	P.E. 125. Management of Women's	2
Zool. 106. Physiology	.....	3	Athletics	2
Ed. 105. History of Education	.....	3	P.E. 126. Management of Women's	1
Ed. 106. History of Education	.....	3	Athletics	1
Ed. 113. Secondary Education	.....	3	P.E. 139. Methods of Gymnastic	2
Ed. 55. Idaho School Law and	.....	2	Teaching	2
Manual	.....	2	P.E. 140. Methods of Gymnastic	2
Eng. 31. Fundamentals of Speech	.....	2	Teaching	2
P.E. 102. Playground Supervision	.....	2	P.E. 143. Practice Teaching in Phys-	3
P.E. 103. History of Physical	.....	1	ical Education	3
Education	.....	1	P.E. 187b. First Aid	1
			Second Teaching Subject	18

PHYSICAL EDUCATION FOR MEN

PREREQUISITES		Credits		Credits
*P.E. 41. Freshman Activities	.....	2	P.E. 187. First Aid	2
P.E. 42. Freshman Activities	.....	2	P.E. 196. Organization and Admin-	3
*P.E. 43. Sophomore Activities	.....	2	istration	3
P.E. 44. Sophomore Activities	.....	2	Zool. 103. Human Anatomy	2
Sport Participation (not more than	.....	2	Zool. 104. Human Anatomy	2
one credit a semester)	.....	2	Zool. 105. Physiology	3
Zool. 1. General Zoology	.....	4	Zool. 106. Physiology	3
Psych. 1. General Psychology	.....	4	Ed. 113. Secondary Education	3
REQUIRED			Ed. 114. High-School Methods	3
P.E. 131. Junior Methods	.....	2	Ed. 131. Practice Teaching	3
P.E. 132. Junior Methods	.....	2	Psych. 2. Educational Psychology	3
P.E. 141. Senior Methods	.....	2	Ed. 105. History of Education	3
P.E. 142. Senior Methods	.....	2	Ed. 106. History of Education	3
P.E. 184. Playground and Recreation	.....	2	Ed. 55. Idaho School Law and	3
			Manual	3
			Second Teaching Subject	18

AGRICULTURAL EDUCATION

Students in the College of Agriculture may secure state certificates by completing 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		Credits
Methods of Teaching High-School	.....	5	Vocational Education	2
Agriculture	.....	3-5	School Law and Manual	3
Observation and Practice Teaching	.....	3-5	Visual Presentation	2

HOME ECONOMICS

Students in the Department of Home Economics may secure state certificates by completing the following courses in education:

		Credits		Credits
Principles of Teaching	.....	3	Observation and Practice Teaching	4
Secondary Education or High-	.....	3	Idaho Law, Manual and Civics	2
School Methods	.....	3	Methods of Teaching Related Sciences	2
Methods of Teaching Home Economics	.....	2	and Arts	2

*One credit in the freshman year and one credit in the sophomore year may be used for junior college physical education requirement.

SCHOOL OF BUSINESS ADMINISTRATION

RALPH H. FARMER, A.B. *Acting Dean*

ORGANIZATION

The development of instruction in the field of business is a matter of comparatively recent growth at the University of Idaho. Altho instruction in economics and political science has been given since 1901, it was not until 1925 that the separate School of Business Administration was created. Beginning in the fall of 1929 the school will become a senior college, enrolling only students in their third and fourth years of university work. Students preparing for the specialized study of business in their last two years will register in the University Junior College for their first two years. In these two years they will devote approximately two-thirds of their time to the standard junior college curriculum (see pages 41 to 46), and one-third to certain preliminary courses in business.

EQUIPMENT AND FACILITIES

The library facilities of the University comprise about 90,000 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 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 18.

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 co-operative 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

Students are admitted to the School of Business Administration only after the completion of two years' work in the University of Idaho or in another approved college or university. For a statement of the requirements for admission, see the paragraph headed *Admission to the Senior Colleges*, page 16. Students may be admitted to the University Junior College or to the Southern Branch without any high-school units in foreign language, but before entrance into the School of Business Administration, such students must complete the equivalent of two units of high-school foreign language. (See tables on pages 12 and 13.)

JUNIOR COLLEGE PREPARATION FOR BUSINESS

Since the School of Business Administration is a senior college, students who plan to study business at the University of Idaho should enrol in the University Junior College or the Southern Branch for their first two years. During these two years their course of study is to be guided by the following regulations and suggestions:

1. Pre-business students must take the standard junior college curriculum of from thirty-eight to forty-two credit-hours of courses. (See pages 42 to 46.) Students who are required to take the maximum of forty-two credit hours may be permitted to take Mathematics 1, Freshman Mathematics, instead of physical science.

2. Pre-business students must complete Economics 51-52, Principles of Economics, in their second year. If not taken in the first two years, this course must be taken, without credit, after entrance into the school of Business Administration.

3. In their first year, pre-business students are advised to select two one-semester courses from the following:

Course	Credits	Course	Credits
Bus. 25. Raw Materials and Markets	3	Bus. 71-72. Intermediate Dictation	6
Bus. 26. Business Organization	3	Math. 14. Mathematics of Finance.....	3
Bus. 15-16. Shorthand	6-8	Foreign Language	

In their second year, pre-business students are advised to select two one-semester courses from the following:

Course	Credits	Course	Credits
Bus. 71-72. Intermediate Dictation	6	Bus. 73-74. Expert Dictation	4
		Bus. 81-82. Principles of Accounting.....	6

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, the requirements for admission to the school as stated above must be satisfied. Students who entered the University prior to the fall of 1929 will receive their degrees upon completion of the requirements prevailing at the time they first registered.

CURRICULA

Below are stated the requirements in each of the five major fields of study. The term *Elective* applies to courses chosen outside the School of Business Administration. The term *Professional Course* refers to an elective course chosen from among the courses offered by the School of Business Administration. The term *Technical Course* in the Extractive Industries Major applies to a course in agriculture, forestry, or mining.

FINANCE**JUNIOR YEAR**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 123. Financial Administration	3	Bus. 124. Financial Administration	3
Bus. 169. Markets	3	Bus. 170. Markets	3
Bus. 113. Statistics	2	Bus. 114. Statistics	2
Econ. 105. Money and Banking	3	Econ. 106. Money and Banking	3
Bus. 181. Advanced Accounting	3	Bus. 182. Advanced Accounting	3
or		or	
Bus. 185 Cost Accounting	2	Bus. 186. Cost Accounting	2
Econ. 111. Labor Problems	3	Bus. 134. Production Administration	2
Total	16-17	Total	15-16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 127. Credits and Collections	3	Bus. 136. Investments	3
Bus. 165. Business Law	3	Bus. 126. Analysis of Financial Statements	2
Bus. 167. Government Regulation of Business	2	Bus. 166. Business Law	3
Eng. 127. Technical Composition	3	Bus. 168. Government Regulation of Business	2
Professional Courses	5-7	Professional Courses	5-7
Total	16-18	Total	15-17

ACCOUNTING**JUNIOR YEAR**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 123. Financial Administration	3	Bus. 124. Financial Administration	3
Bus. 169. Marketing	3	Bus. 170. Marketing	3
Bus. 113. Statistics	2	Bus. 114. Statistics	2
Bus. 181. Advanced Accounting	3	Bus. 182. Advanced Accounting	3
Bus. 185. Cost Accounting	2	Bus. 186. Cost Accounting	2
Econ. 105. Money and Banking	3	Econ. 106. Money and Banking	3
Total	16	Total	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law	3	Bus. 166. Business Law	3
Bus. 167. Government Regulation of Business	2	Bus. 168. Government Regulation of Business	2
Bus. 183. Accounting	3	Bus. 184. Certified Public Accounting	3
Bus. 187. Federal Income Tax Accounting	3	Bus. 126. Analysis of Financial Statements	2
Eng. 127. Technical Composition	3	Professional Courses	5
Professional Courses	3	Total	15
Total	17		

COMMERCE**JUNIOR YEAR**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 123. Financial Administration	3	Bus. 124. Financial Administration	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. Principles of Foreign Trade	3	Bus. 142. Foreign Export Problems	3
Professional Courses	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. Government Regulation of Business	2	Bus. 168. Government Regulation of Business	2
Eng. 127. Technical Composition.....	3	Professional Courses	5
Bus. 151. Business Forecasting	3		
Total	16	Total	16

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 Administration ..	3	Bus. 124. Financial Administration ..	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 Administration ..	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. Government Regulation of Business	2	Bus. 168. Government Regulation of Business	2
Bus. 151. Business Forecasting	3	Bus. 222. Extractive Industries and Business Cycle	3
Eng. 127. Technical Composition.....	3	Technical Courses	5
Technical Courses	4	Professional Courses	5
Professional Courses	3		
Total	18	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 Administration ..	3	Bus. 124. Financial Administration ..	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 Administration ..	3
Professional Courses	4-6	Psych. 1. Principles of Psychology ..	4
		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. Methods of Commercial Teaching	3
Bus. 175. Advertising	3	Bus. 176. Advertising Problems	3
Eng. 81. Elements of Journalism.....	2	Elective	5-7
Eng. 127. Technical Composition	3		
Elective	2		
Total	16	Total	15-17

THE GRADUATE SCHOOL

GRADUATE COUNCIL

*JERRY EDWARD WODSEDALEK, PH.D., <i>Professor of Zoology</i>	<i>Dean</i>
JAY GLOVER ELDRIDGE, PH.D., <i>Professor of German</i>	<i>Acting Dean</i>
ERNEST EVERETT HUBERT, PH.D., <i>Professor of Forestry</i>	
CHARLES WILLIAM HUNGERFORD, PH.D., <i>Professor of Plant Pathology</i>	
J. HUGO JOHNSON, E.E., <i>Professor of Electrical Engineering</i>	
JAMES FRANKLIN MESSENGER, PH.D., <i>Professor of Education</i>	
GEORGE MOREY MILLER, PH.D., <i>Professor of English</i>	
ELLA L. OLESEN, <i>Registrar</i>	<i>Secretary</i>

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 in some measure 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 thruout 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

The University in its library and laboratory facilities is equipped for the necessary advanced study and research required for the master's degrees. It does not at present offer work leading to the doctor's degree.

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

*Absent on leave, 1928-29.

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.).

PROFESSIONAL DEGREES IN ENGINEERING

The professional degrees in engineering—Civil Engineer (C.E.), Mechanical Engineer (M.E.), Electrical Engineer (E.E.), Chemical Engineer (Ch.E.), and Agricultural Engineer (A.E.)—may be granted to graduates of the College of Engineering of the University of Idaho upon the submission of an approved thesis, and after five years of professional experience, one year of which must have been spent in responsible charge of work.

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.

2. **NATURE AND AMOUNT OF WORK.**—A minimum of twenty-four semester-credits is required for the master's degree; of these at least sixteen credits must be graduate in character (courses numbered above 200) and eight credits may be in courses classified as advanced undergraduate (courses numbered 100-199). Not less than twelve credits shall be in the major department, and one or two minors shall be taken in *related subjects*.

3. **RESIDENCE.**—One year's resident work is required of every candidate. *Special Provisions:*

(a) Graduates of the University of Idaho may be permitted in special cases to spend one semester at some other approved institution.

(b) 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, provided that one semester is spent in residence in a regular session.

(c) A student may be permitted to fulfil the residence requirement by three summer sessions of not less than six weeks each, provided he carries on individual work during two intervening years under the direction of his major professor. Not more than six credits may be earned by such work *in absentia*.

(d) 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. 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.

5. 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 and a fee of \$1.50 for binding two copies of the thesis for the library.

6. 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. The candidate must appear before an examining committee composed of the major professor, one minor professor, and a third member selected by the dean of the Graduate School. This committee will examine the candidate on his thesis and on his major and minor fields of study. Any member of the University faculty shall have the privilege of attending this examination and of questioning the candidate. Two copies of the thesis are deposited in the library and one copy in the major department.

7. GRADES.—No courses with grade below B may be counted toward the master's degree.

8. 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.

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PART III
THE EXPERIMENT STATIONS
UNIVERSITY EXTENSION
THE SUMMER SCHOOL

PART III

THE EXPERIMENT STATIONS
UNIVERSITY EXTENSION
THE SUMMER SCHOOL

STATION

E. J. IDINGS, M.S.....*Director*
OLIVE A. NEWMAN.....*Secretary of the Staff*
C. W. HUNGERFORD, PH.D.....*Vice Director and Chairman of the
Project Committee*
G. R. MCDOLE, M.A.....*Chairman of the Publication Committee*

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 February 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 and home economics. The Purnell Act provided \$50,000 from the federal treasury for the fiscal year, July 1, 1928, to June 30, 1929. 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 appropriation, \$110,000; State appropriation, \$78,000; 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 study of chlorosis of plants; 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; a study of vitamin efficiency of Idaho food plants; utilization of by-products in fruit and vegetable growing; cabbage culture; spraying and pruning experiments; variety tests in vegetable growing; experiments for the control of potato diseases, bean mosaic, and the curly top of sugar beets; investigations of farm organization, livestock and crop management, and of marketing problems; and feeds for egg production. Approximately 150 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 co-operating.

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 167 bulletins, 54 circulars, and 62 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.

THE ENGINEERING EXPERIMENT STATION

IVAN C. CRAWFORD, C.E.....*Director*

Altho the Engineering Experiment Station was not formally organized by the board of education until June, 1928, investigational work has been carried on in the materials laboratory since 1904. During that year and the following one two bulletins were published, each dealing with the road-making properties of the trap rocks of the Palouse region.

OBJECT AND ORGANIZATION.—The station was established to do research work upon engineering problems of importance to the industries, municipalities, public utilities, state departments and engineers of Idaho; to stimulate research activity in the faculty and among the students of the College of Engineering; and to publish the results of investigations and compilations of data of value to the citizens of the state.

The staff of the station is composed of the president of the University, the director and various members of the faculty of the College of Engineering. The laboratories of the departments of Civil, Mechanical, Electrical, Chemical, and Agricultural Engineering are employed in the investigations conducted by the station.

STATE BUREAU OF MINES

A. W. FAHRENWALD, MET.E.....*Secretary*

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.

AGRICULTURAL AND HOME ECONOMICS EXTENSION

E. J. IDDINGS, M.S.....*Director*

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-six. 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.

NON-RESIDENT INSTRUCTION

BERNICE McCoy, M.S. (Ed.) *Director*

The University of Idaho offers two kinds of non-resident instruction. First, for individual students, representative courses in most departments are given by correspondence. Second, 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.

All non-resident courses are prefixed with the letter "C" (e. g. English C14); those that are normally non-credit courses, with the letter "NC" (e. g. History NC81).

CORRESPONDENCE STUDY.—In courses offered by correspondence, the University furnishes study outlines and syllabi with a list of the books and other material required.

There will be eight assignments per credit-hour; for example: sixteen assignments for a two-credit course and twenty-four assignments for a three-credit course. The assignments call for very definite work on the student's part, consisting of written reports or analyses, the solution of problems, or the investigation of special topics as the nature of the course may demand.

All reports, unless otherwise specified, must be prepared on 8-in. by 11-in. paper. Carriage charges must be fully prepaid. The use of reasonable thin paper is recommended, to reduce these charges. Students also pay transportation charges both ways on any books that may be loaned from the library. (Some books may be borrowed from the University library during the summer months while they are not in use by regularly enrolled students on the campus). All lessons are read, graded, corrected, and returned.

ENROLLMENT.—1. Persons not in residence may enrol for non-resident work at any time.

2. 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.

3. Non-resident students failing to complete courses for which they have registered will be dropped at the end of twelve months.

CREDITS.—4. A total of thirty-two credits, or one year of college work, may be secured by non-resident instruction.

5. As a rule students are advised to carry not to exceed two courses at a time. However, if a student has unlimited leisure time he may safely carry three or four courses at one time.

EXAMINATIONS.—To receive credit the student must take written examinations 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 co-operation of alumni, school officials, and other friends.

The University offers no non-resident courses leading to the county third grade certificate. Under ruling of the State Board of Education, credits earned in non-resident courses may not be submitted in lieu of an examination for the county first and second grade certificates.

FEES.—Fees for correspondence work are \$5 per credit. For example a two-credit course will be \$10 and a three-credit course \$15. Fees will not be refunded because of failure on the part of a student to complete a course.

STUDY GROUPS.—Members of the University faculty are glad to organize study groups where a number of persons wish to pursue the same subject. No absolute minimum is set, but it is recommended that the organization of a study group include at least five individuals. Members of these study groups may, on fulfilling the necessary requirements and prerequisites, obtain University credit for their work. Fees for individual members of study groups shall be the same as those charged for individual registrations, that is, \$5 per credit, except when the group enrolment is large enough to justify a change. 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 addressed to the Department of Non-Resident Instruction, University of Idaho, Moscow, Idaho.

NON-RESIDENT COURSES

AGRICULTURE		Credits	
AGRICULTURAL ENGINEERING		ANIMAL HUSBANDRY	
C161. Irrigation Practice.....	2	C1. Livestock Feeding.....	3
C162. Irrigation Measurements.....	2	C2. Livestock Feeding.....	3
AGRONOMY		DAIRY HUSBANDRY	
C2. Grain Crops.....	3	C3. Milk Production.....	2
C3. Forage Crops.....	3	HORTICULTURE	
C102. Crop Improvement.....	2	C2. Elements of Horticulture.....	2

	Credits		Credits
PLANT PATHOLOGY		ENGLISH	
C2. Nature and Control of Plant Diseases.....	2	C11. History of the Development of English Literature.....	3
C105. Potato Diseases and Their Control.....	2	C12. History of the Development of English Literature.....	3
POULTRY HUSBANDRY		C13. Modern Literature.....	2
C2. Practical Poultry Production.....	3	C14. Modern Literature.....	2
ART		C119. American Literature.....	3
C1. Freehand Drawing.....	2	C120. American Literature.....	3
C2. Freehand Drawing.....	2	FRENCH	
C102. Water-Color Painting.....	2	C13. Intermediate French.....	4
C103. Water-Color Painting.....	2	C14. Intermediate French.....	4
C110. History of Painting and Sculpture.....	1	C15. Scientific French.....	3
BACTERIOLOGY		C16. Scientific French.....	3
C8. Hygiene and Sanitation.....	3	C121. Survey of French Literature.....	3
BOTANY		C122. Survey of French Literature.....	3
C1. General Botany.....	3	C135. Nineteenth Century French Literature.....	3
C54. Systematic Botany.....	3	C136. Nineteenth Century French Literature.....	3
C109. The Teaching of Botany.....	2	C141. Drama of the Seventeenth Century.....	3
BUSINESS ADMINISTRATION		C142. Drama of the Seventeenth Century.....	3
C81. Elementary Accounting.....	3	C143. Eighteenth Century Literature.....	3
C82. Elementary Accounting.....	3	C144. Eighteenth Century Literature.....	3
C188. Income-Tax Accounting.....	3	GEOLOGY	
C192. Methods of Commercial Teaching.....	3	C1. Introductory Geology.....	4
THE CLASSICS IN ENGLISH		C2. Historical and Physical Geology.....	4
C53. Scientific Terminology.....	2	C11. General Geography.....	3
C54. Scientific Terminology.....	2	C12. Economic Geography.....	3
C57. Classical Literature in English.....	2	GERMAN	
C58. Classical Literature in English.....	2	C13. Intermediate German.....	4
ECONOMICS		C14. Intermediate German.....	4
C13. Agricultural Economics.....	3	C15. Scientific German.....	3
C51. Principles of Economics.....	4	C16. Scientific German.....	3
C52. Principles of Economics.....	4	C115. Advanced Scientific German.....	1 or 2
C105. Money and Banking.....	3	C116. Advanced Scientific German.....	1 or 2
C106. Money and Banking.....	3	GREEK	
C114. Marketing of Farm Products.....	3	C1. Elementary Greek.....	4
C115. Co-operative Marketing.....	3	C2. Elementary Greek.....	4
EDUCATION		HISTORY	
C1. Introduction to Education.....	2	C5. Nineteenth Century.....	3
C2. School-Room Management.....	2	C6. Nineteenth Century.....	3
C7. Principles of Teaching.....	3	C13. Classical Civilization.....	3
C55. Idaho Law, Manual, and Civics.....	3	C14. Classical Civilization.....	3
C105. History of Education.....	3	C109. History of the United States, 1492-1763.....	3
C106. History of Education.....	3	C110. History of the United States, 1763-1789.....	3
C111. The Junior High School.....	3	C111. History of the United States, 1789-1830.....	3
C113. Secondary Education.....	3	C112. History of the United States, 1830-1865.....	3
C114. High-School Methods.....	3	HOME ECONOMICS	
ENGINEERING		C131. House Management and Sanitation.....	2
CIVIL ENGINEERING		C136. The Family.....	2
C1. Engineering Drawing.....	4	LATIN	
C2. Descriptive Geometry.....	3	C1. Elementary Latin.....	4
C6. Mechanics (Statics).....	3	C2. Elementary Latin.....	4
C106. Reinforced Concrete.....	2	C3. Intermediate Latin.....	4
ELECTRICAL ENGINEERING		C4. Intermediate Latin.....	4
NC1. Electricity in the Home		C51. Pliny's Letters.....	3
C20. Elements of Radio-Telegraphy.....	2	C52. Latin Comedy.....	3
C101. Direct and Alternating Current Machinery.....	3	C107. Teachers' Review of Latin.....	3
C102. Direct and Alternating Current Machinery.....	3	C108. Teachers' Review of Latin.....	3
C133. Principles of Electrical Engineering.....	3	MATHEMATICS	
C134. Principles of Electrical Engineering.....	3	C1. Freshman Mathematics.....	4
NC151. Practical Illumination		C2. Freshman Mathematics.....	4

	Credits		Credits
MINING			
NC1. The Mining Industry		C57. Psychology of the Exceptional Individual	3
NC2. The Mining Industry		C106. Child Psychology	3
PHILOSOPHY		SOCIOLOGY	
C51. History of Ancient Philosophy	3	C141. Principles of Sociology	3
C52. History of Modern Philosophy	3	C142. Principles of Sociology	3
C101. Ethics	3	C145. Rural Sociology	3
C102. Ethics (Advanced)	3	SPANISH	
C108. Plato	3	C1. Elementary Spanish	4
C110. Philosophy of Science	3	C2. Elementary Spanish	4
POLITICAL SCIENCE		C13. Intermediate Spanish	4
C21. American Government	3	C14. Intermediate Spanish	4
C22. American Government	3	C111. Advanced Composition	2
C123. State Government in the United States	3	C112. Advanced Composition	2
C124. City and County Government	3	C121. Survey of Spanish Literature	3
PSYCHOLOGY		C122. Survey of Spanish Literature	3
C1. General Psychology	4	ZOOLOGY	
C2. Educational Psychology	3	C58. Heredity and Eugenics	2
C4. Applied Psychology	4	C60. Social Hygiene	2
C54. Psychology of Advertising and Selling	3	C107. Organic Evolution	3

THE SUMMER SCHOOL

Six-Weeks Term, June 11 to July 19, 1929

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 10. 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 six 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.

BULLETIN.—For the special bulletin of the Summer School address J. F. Messenger, Director of the Summer School.

SUMMER SCHOOL COURSES

BOTANY

	Credits
S1. General Botany.....	4
S14. Systematic Botany.....	2
S102. Plant Physiology.....	2
S106. Ecology.....	2
S231. Research.....	2

EDUCATION

S2. School Management.....	2
S5. Idaho Law and Manual.....	2
S105. History of Education.....	2
S114. High-School Methods.....	2
S203. Educational Tests and Measurements.....	2
S204. Administration and School Finance.....	2
S207. Supervision of Instruction.....	2
S210. Philosophy of Education.....	2
S211. Curriculum Construction.....	2
S215. Educational Guidance.....	2
S260. Scientific Methods in Education.....	2
S262. Research.....	2

EDUCATIONAL CONFERENCES

S250. English in High School and College.....	2
S251. Social Sciences in High School and College.....	2
S252. Biological Sciences in High School and College.....	2

ENGLISH

S13. Modern Literature.....	2
S61. Literary Composition.....	2
S109. Play Production.....	2
S117. Victorian Prose and Poetry.....	2
S120. American Literature.....	2
S167. Advanced Course in Reading and Interpretation.....	2
S142. Shakespeare.....	2

HISTORY

S4. Modern Europe.....	2
S11. History of the United States, 1789-1865.....	2
S124. Idaho and the Inland Empire.....	2
S208. American Foreign Policy, 1865-1905.....	2

HOME ECONOMICS

S1. Cooking and Serving.....	2
S133. Practice Cottage.....	2

MATHEMATICS

S1. Freshman Mathematics.....	4
S2. Freshman Mathematics.....	4

Credits

S21. Calculus.....	4
S22. Calculus.....	4

MUSIC

S101. History and Appreciation of Music.....	2
S177. School Music.....	2
*Chorus.....	1
*Orchestra.....	1
Voice.....	1/2 to 1
Piano.....	1/2 to 1
Violin.....	1/2 to 1

MASTER COURSES IN MUSIC

PIANO.—Louis Victor Saar, dean of the faculty, Chicago School of Music, will give lessons in piano to advanced students from June 17 to 22.

VIOLIN.—Waldemar Geltch, head of the violin department, University of Kansas School of Music, will give lessons in violin to advanced students from July 15 to 20.

PHILOSOPHY

S2. History of Modern Philosophy.....	2
S105. Philosophy of Religion.....	2
S107. Philosophy in Literature.....	2

POLITICAL SCIENCE AND SOCIOLOGY

S123. State Government.....	2
S141. Principles of Sociology.....	2

PSYCHOLOGY

S2. Educational Psychology.....	2
S106. Infant and Child Psychology.....	2
S109. Mental Testing.....	2
S207. Social Psychology.....	2

SPANISH

A Spanish House is conducted as a part of the Summer School. Students room and board in the house, and only Spanish is spoken. Regular courses are offered. The maximum amount of credit is six semester hours.

Summer School students who do not room in the Spanish House may take a course in Spanish.

*Students who sing in the chorus or play in the orchestra are allowed one credit in addition to the maximum allowed for other courses.

PART IV
DEPARTMENTS OF INSTRUCTION

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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)

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 of three hours each. (NEIDIG, SNYDER)

For Advanced Undergraduates and Graduates

106 CHEMISTRY OF DAIRY PRODUCTS 2 credits . . . Second semester

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)

112 SOIL CHEMISTRY $2\frac{1}{3}$ credits . . . Second semester

The chemical nature of different soil types and the relation of the elements to crop production. Analyses of various types of soil by standard methods, to determine the available and total soil constituents. Discussion of methods. Recommendations for the improvement of each soil type by interpreting students' data. One lecture and two laboratory periods a week. (SNYDER)

*On leave.

Primarily for Graduates

201-203-205 RESEARCH

Credits to be arranged

Special problems in soil chemistry, dairy chemistry, and nutrition.
(NEIDIG)

AGRICULTURAL EDUCATION

Associate Professor LATTIG, Mr. BRIGHAM

For Advanced Undergraduates and Graduates

150 EXTENSION METHODS IN TEACHING AGRICULTURE

2 credits

Second semester

Methods used in the field by county agents, college faculty, extension specialists and teachers of vocational agriculture. Should be of value to all who expect to enter any field of public work in agriculture. (IDDINGS, LATTIG, AND OTHERS)

151 VOCATIONAL EDUCATION

2 credits

First semester

Vocational education: its history, meaning, aims, administration and place in the school system. Required in Agricultural Education Curriculum. (LATTIG)

152 BEGINNING METHODS OF TEACHING VOCATIONAL AGRICULTURE

2 credits

Second semester

For juniors. Required in Agricultural Education Curriculum. (LATTIG)

153 ADVANCED METHODS OF TEACHING VOCATIONAL AGRICULTURE

3 credits

First semester

For seniors. A continuation of 152. Required in Agricultural Education Curriculum. (LATTIG)

154 VISUAL PRESENTATION

2 credits

Second semester

Methods of presenting facts to the eye by means of graphs, maps, charts, pictures, slides, and motion pictures. Making of maps, charts, and lantern slides; care and operation of projectors. Required in Agricultural Education Curriculum. (LATTIG)

155-156 OBSERVATION AND PRACTICE IN TEACHING AGRICULTURE

1 to 5 credits

Each semester

Prerequisite: Agr. Ed. 152. Required in Agricultural Education Curriculum. (LATTIG, BRIGHAM)

Primarily for Graduates

251-252 SEMINAR

1 to 4 credits

Each semester

For seniors and graduates. (LATTIG)

253-254 RESEARCH

1 to 4 credits

Each semester

For graduates. (LATTIG)

257 PROBLEMS IN TEACHING VOCATIONAL AGRICULTURE

3 credits

For regularly employed teachers of vocational agriculture in Idaho. Includes attendance at summer conference for teachers of vocational ag-

riculture, problems of methods and new developments in the field of vocational agriculture. The course may be repeated three years with credit. (LATTIG)

AGRICULTURAL ENGINEERING

Professor BERESFORD, Assistant Professor EDGAR, Mr. NEAL,
Mr. HUMPHREY

Primarily for Undergraduates

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| FARM SURVEYING | 2 credits | Second semester |
| See Civil Engineering 3a. | | |
| 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. (EDGAR) | | |
| 4. AGRICULTURAL ENGINEERING | 3 credits | Second semester |
| Elementary problems of the application of engineering to agricultural equipment and production. Two lectures and one three-hour laboratory period a week. (BERESFORD, NEAL, EDGAR) | | |
| 5. CONCRETE | 1 credit | First semester |
| Theory and practice of building with plain concrete. One three-hour laboratory period a week. (EDGAR) | | |
| 7. FARM BUILDINGS | 3 credits | First semester |
| A study of farmstead equipment, materials, methods of construction and the design of farm buildings adapted to Idaho conditions. One lecture and two three-hour laboratory periods a week. Prerequisite: A. E. 4. (EDGAR) | | |
| 12. FARM WATER SUPPLY SANITATION | 2 credits | Second semester |
| Farm water supply and sanitary equipment. Refrigeration, ventilation, and heating; principles of rural fire protection and sewage disposal. Two lectures a week. (BERESFORD, NEAL) | | |
| 33. GAS ENGINES | 2 credits | First semester |
| Construction, adjustment, operation, and repair of gas engines. Engine tests and servicing, including ignition and carburetor work. One recitation and one three-hour laboratory period a week. Prerequisite: A. E. 4. (BERESFORD) | | |

For Advanced Undergraduates and Graduates

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| 103. FARM SHOP PRACTICE LABORATORY | 2 credits | First semester |
| Special projects in farm shop work with emphasis on Smith-Hughes teaching. Problems of shop instruction, arrangement of equipment, and shop practice. Two three-hour laboratory periods a week. (EDGAR) | | |
| 105-106. PRO-SEMINAR | 1 credit | Each semester |

- 132 FARM MACHINERY 2 credits Second semester
Construction, care, adjustment, and operation of modern farm machinery. One recitation and one three-hour laboratory period a week. (EDGAR)
- 134 TRACTORS AND TRUCKS 2 or 3 credits Second semester
Operation, construction, and care of tractors and trucks. Additional repair, testing, and operating may be secured by taking the second laboratory period. One lecture and one or two three-hour laboratory periods a week. Prerequisite: A. E. 33. (BERESFORD)
- 135 MACHINE METHODS IN AGRICULTURE 3 credits First semester
The principles of mass production applied to the problems of agriculture. (BERESFORD)
- 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 RURAL ELECTRIFICATION 3 credits First semester
The application of electricity to agriculture, including elementary principles of electricity and magnetism. General operation of electrical appliances common to agricultural use. Two lectures and one three-hour laboratory period a week. (BERESFORD)
- 162 IRRIGATION PRACTICE 3 or 4 credits Second semester
The place of irrigation in western agriculture; use of irrigation water by crops; the application and conservation of water; time and amount of irrigation; drainage and alkali; irrigation institutions. The laboratory work includes a study of water measurement, irrigation pumps and elementary surveying, the layout of ditches, and the preparation of land for irrigation. Three lectures and one three-hour laboratory period a week. May be taken without the laboratory. Prerequisite: Agronomy 151. (NEAL)
- 163 IRRIGATION SYSTEMS 2 credits First semester
The operation and maintenance of irrigation systems. The delivery of water and the keeping of records. Factors which contribute to the success of projects. Prerequisite: A. E. 162. Two lectures a week. (NEAL)
- 180-181 AGRICULTURAL ENGINEERING THESIS 1 credit Each semester
Primarily for Graduates
- 201-202 SEMINAR 1 credit Each semester
(BERESFORD, EDGAR)
- 203-204 RESEARCH Credits to be arranged Each semester
Special problems in farm power and machinery, rural structures, and land reclamation.

AGRONOMY

Professor HULBERT, Associate Professor McDOLE, Mr. MICHELS

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. Freshman year. Three lectures and one three-hour laboratory period a week. (HULBERT)

For Advanced Undergraduates and Graduates

100 ADVANCED CROP PRODUCTION 3 credits Second semester

Lectures and assigned readings on special phases of grain, beans, sugar beets, peas, flax, 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)

101 GENETICS 4 credits First semester

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. Three lectures and one three-hour laboratory period a week. Prerequisite: Agron. 1. (MICHELS)

102 CROP IMPROVEMENT 4 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. Methods of conducting agronomic experiments, care and management of plots, correcting of error, technique, project outlines and report writing. Three lectures and one three-hour laboratory period a week. (HULBERT, MICHELS)

104 COMMERCIAL GRADING AND MARKETING 2 credits Second semester

The commercial grading and marketing of small grains, small seeds, and hay. Laboratory grading of samples by Federal Grade Standards. This course should be taken by students in competitive judging. Junior or senior year. One lecture and one three-hour laboratory period a week. Prerequisite: Agron. 1. (HULBERT)

105 SEED JUDGING AND GRADING 2 credits First semester

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 analysis of seed for purity and germination; identification of weed seeds. Senior year. One lecture and one three-hour laboratory period a week. Prerequisite: Agron. 1. (HULBERT)
- 107 ADVANCED JUDGING AND GRADING 1 credit First semester
A continuation of Agron. 105.
- 110 FARM MANAGEMENT 3 credits Second semester
Qualifications of a farmer, choice of 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)
- 113-114 PRO-SEMINAR 1 credit Each semester
A review of experiment station literature; papers by members of the department on investigations in progress; papers by students on special topics. Senior year. One hour a week. (HULBERT)
- 115-116 UNDERGRADUATE RESEARCH 1 to 3 credits Each semester
Research in crops or soils. Students preparing for federal or state experiment station work should complete a research problem. Results are to be written up as a technical paper. Amount of credit to be arranged after consultation. (HULBERT, McDOLÉ)
- 151 GENERAL SOILS 3 credits First semester
An elementary course dealing with the formation of soils, their physical properties, and adaption to agricultural uses. Junior year. Two lectures and one three-hour laboratory period a week. (McDOLÉ)
- 152 SOIL MANAGEMENT 3 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. Three 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. Prerequisites: 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. The Bureau of Soils' methods of soil mapping. Junior year. Two lectures a week. Prerequisite: Agron. 151. (McDOLÉ)

Primarily for Graduates

- 213-214 RESEARCH 3 to 5 credits Each semester
Open only to graduates taking advanced work in agronomy. Problems in plant breeding, crop production or soil physics and management may be selected. A thesis is required. (HULBERT, McDOLLE)
- 215-216 SEMINAR 1 credit Each semester
Review of experimental work. Papers by members of the department on investigations in progress. Student reports on special topics. One hour a week. (HULBERT)

ANIMAL HUSBANDRY

Professor HICKMAN, Associate Professor NORDBY, Dr. GILDOW

Primarily for Undergraduates

- 1 THE LIVESTOCK INDUSTRY 5 credits First semester
History and development; principles underlying the production and distribution of livestock and livestock products; relation to agriculture and other industries; commercial types of horses, cattle, sheep and swine; characteristics and adaptation of the various breeds. Lectures, problems, reference reading. Approximately twenty per cent of the time will be devoted to the poultry industry. Breeds and varieties, judging for egg production; feeding and management. Four lectures and one three-hour laboratory period each week. Required of sophomores in Agriculture. Livestock: (NORDBY). Poultry: (LAMPMAN)
- 2 LIVESTOCK PRODUCTION 2 credits Second semester
A general study of livestock problems with special reference to conditions in the Pacific Northwest. Planned for students not registered in the College of Agriculture who desire a general knowledge of the livestock industry. Two lectures each week. (HICKMAN)
- 70 SANITARY SCIENCE 1 credit Second semester
Common diseases and accidents of livestock in national forests, with modes of prevention. Emphasis is placed on diseases transferable to man. One lecture a week. (GILDOW)

For Advanced Undergraduates and Graduates

- 103 BREED TYPES OF LIVESTOCK 2 credits First semester
Early history, development, and breed characteristics of the various improved breeds of domestic animals. 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)
- 104 LIVESTOCK JUDGING 2 credits Second semester
The judging of horses, cattle, sheep, and swine in groups with reference to breed and market types. Two three-hour judging periods a week. Prerequisites: A. H. 1 and 103. (HICKMAN)

- 106 ANIMAL NUTRITION 3 credits Second semester
Physiology of nutrition: digestion, absorption, 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. Three lectures a week. Prerequisite: Chem. 13. (HICKMAN)
- 111 ADVANCED LIVESTOCK JUDGING 1 credit First semester
Continuation of A. H. 104 especially planned for seniors. 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
Co-ordination of physiological background; general laws of heredity; methods of investigation; interpreting experimental data; application of principles to livestock improvement; sterility factors; problems and reference reading. Two lectures a week. Required of students in Animal Husbandry. Prerequisite: Zool. 8. (NORDBY)
- 113 MEAT 2 credits Second 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 Hagan and Cushing Co., students have opportunity to study killing, dressing, and curing of meats in the company's government-inspected packing plant. Lectures; practice. Prerequisites: A. H. 1 and junior standing in the College of Agriculture. (HICKMAN)
- 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 associations. 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 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. Lec-

tures and reference reading. Two recitation periods a week. Prerequisites: A. H. 1 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 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 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. Two lectures a week. Prerequisite: A. H. 106. (NORDBY)

142 RANGE LIVESTOCK MANAGEMENT 2 credits Second semester

A study of grazing lands, range plants, water development, and 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 PRO-SEMINAR AND PRACTICUMS 1 credit Each semester

Study of animal husbandry as conducted at the experiment stations. Practical problems in the management of livestock, including the grooming and preparation for show of horses, beef cattle, sheep, and swine. (HICKMAN, NORDBY, GILDOW)

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, GILDOW)

171 COMPARATIVE ANATOMY 3 credits First semester

A systematic study of the bones, articulation, muscles and digestive, respiratory, genito-urinary, circulatory and nervous systems, and the organs of special senses as a basis for later study in physiology, animal diseases, and the judging of animal form, capacity, and productivity. Two recitations and one laboratory period a week. (GILDOW)

172 COMPARATIVE PHYSIOLOGY 3 credits Second semester.

Functions of the animal body, including protoplasm, cells and tissues, blood and lymph, respiration, digestion, absorption and metabolism, generation and development, from the standpoint of the natural and

physical sciences. Prerequisite: A. H. 171. Three recitations a week. (GILDOW)

173 ANIMAL DISEASES 3 credits First semester
General factors that enter into a disease condition. Prevention, control, and treatment. Prerequisite: A. H. 172. Two recitations and one laboratory period a week. (GILDOW)

174 SPECIFIC ANIMAL DISEASES 2 credits Second semester
A continuation of A. H. 173, taking up the specific diseases affecting cattle, horses, sheep, hogs and poultry Prerequisite: A. H. 173. Two recitations a week. (GILDOW)

Primarily for Graduates

200-201 RESEARCH Credits to be arranged Each semester
(HICKMAN, NORDBY, GILDOW)

ART and ARCHITECTURE

Assistant Professor PRICHARD, Mr. STAGEBERG

ART

Primarily for Undergraduates

1-2 FREEHAND DRAWING 2 credits Each semester
The principles of freehand drawing and the elements of composition. Drawing in pencil and charcoal. Two three-hour laboratory periods weekly. No prerequisites.

3-4 PRINCIPLES OF DESIGN 2 credits Each semester
Principles of design in line, dark and light, and color to develop power of appreciation and creation of good design.

For Advanced Undergraduates and Graduates

101-102 WATER COLOR PAINTING 2 to 3 credits Each semester
Development of water color technique. Sketching from still life and from nature. Three hours three times a week. Prerequisites: Art 1-2; 3-4.

103-104 PRINCIPLES OF APPLIED DESIGN IN THE CRAFTS
Wood-block printing and the book. Prerequisite: Art 3-4.

105-106 INTERMEDIATE FREEHAND DRAWING 3 credits Each semester
Advanced drawing from life, nature, and the antique. Three three-hour periods a week. Prerequisite: Art 103-104.

108 ELEMENTARY STAGECRAFT 2 credits Second semester
Mechanics of stagecraft, makeup, lighting, and stage design. Lecture and laboratory Prerequisite: Art 1.

- 109 HISTORY OF FURNITURE 1 credit First semester
Lectures on the development of furniture styles.
- 121 ALPHABETS 2 to 3 credits First semester
Mechanics of lettering and a study of historic styles.
- 124 COMPOSITION AND ILLUSTRATION 3 credits Second semester
A study of the technique of composition and illustration for the press. Three hours three times each week.
- 127-128 ADVANCED FREEHAND DRAWING 3 credits Each semester
Individual problems in various media. Three three-hour laboratory periods each week. Prerequisite: Art 106.

ARCHITECTURE

Primarily for Undergraduates

- 11-12 ELEMENTARY ARCHITECTURAL DESIGN 2 credits Each 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.
- 13 SHADES AND SHADOWS 1 credit First semester
A course in elementary shades and shadows. No prerequisites.
- 14 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. 13.

For Advanced Undergraduates and Graduates

- 113-114 INTERMEDIATE ARCHITECTURAL DESIGN 3 crs. Each semester
A series of problems in architectural composition and planning. Three hours of drawing three times each week. Prerequisite: Arch. 11-12.
- 131 ARCHITECTURAL HISTORY 3 credits First semester
A study of ancient architecture to and including the Romanesque period. Two lectures each week, and research.
- 132 ARCHITECTURAL HISTORY 3 credits Second semester
The gothic period in architecture; renaissance and modern architecture. Three lectures each week, and research.
- 133-134 BUILDING CONSTRUCTION 2 credits Each semester
The nature and properties of woods used in building construction. Also methods of construction. Three lectures or recitations each week. Prerequisite: Arch. 11-12.
- 115-116 ARCHITECTURAL DESIGN 4 credits Each semester
A continuation of Architecture 113-114. Three hours of drawing four times each week. Prerequisite: Arch. 113-114.

- 2 GENERAL BOTANY 4 credits Either semester
Continuation of Botany 1. (GAIL, DIETTERT, ALBERTSON)

- 11 GENERAL AGRICULTURAL BOTANY 5 credits First semester
A study of the fundamentals of botany with special reference to agricultural subjects. 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. (DIETTERT)

- 53-54 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)

For Advanced Undergraduates and Graduates

- 102 PLANT PHYSIOLOGY 4 credits Second semester
The physics, chemistry, growth, and movements of plants. Should be preceded by Botany 1-2, or 11. Preparation 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 3 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 11 and Chemistry 1-2. Two lectures and six laboratory hours weekly. (DIETTERT)

- 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; 53-54. Two lectures and six laboratory hours weekly. (GAIL)

- 109 THE TEACHING OF BOTANY 2 credits First semester
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)

111 MYCOLOGY 4 credits First semester

A course planned to acquaint the student with a knowledge of the different groups of fungi and their economic importance. Prerequisites: Botany 1-2 or 11. Two lectures and six laboratory hours weekly. (DIETTERT)

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; 53-54; 107. Two lectures and six laboratory hours weekly. (DIETTERT)

123-124 THESIS 1 to 2 credits Each semester

125-126 PRO-SEMINAR 1 credit Each semester

Review of current literature; presentation of original work. (GAIL, DIETTERT)

Primarily for Graduates

203-204 PLANT PHYSICS, NUTRITION AND GROWTH 4 crs. Each semester

A course in plant physiology for majors in the department of senior standing or for graduate students. Prerequisites: Bot. 1-2; 53-54; 102; working knowledge of chemistry and physics and a reading knowledge of French. Two lectures and six laboratory hours weekly. (GAIL)

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)

210 ADVANCED MYCOLOGY 3 credits Second semester

Collection, identification, and classification of the higher fungi; the relation of their occurrence to environmental factors. Special attention is given to the parasitic forms, the fungi concerned with decay, and the edible and poisonous mushrooms. Prerequisites: Botany 1-2 or 11; 53-54; 111. One lecture and six laboratory hours weekly. (DIETTERT)

221-222 BOTANICAL SEMINAR 1 credit Each semester

Review of current journals; presentation of research work done or in progress. (GAIL, DIETTERT)

231-232 RESEARCH Each semester

Students with sufficient preparation may be assigned to research problems in physiology, ecology, morphology, mycology, and taxonomy. (GAIL, DIETTERT)

BUSINESS ADMINISTRATION

Professor FARMER, Assistant Professors GRAUE and WILDE, Mr.
HEFLEBOWER, Mr. NICHOLSON, Miss REIERSON, Mr. SUTTON
Associate Professor JACOB

Primarily for Undergraduates

- E-F TYPEWRITING No credit Each semester
Previous training not required. (REIERSON)
- 25 ECONOMIC GEOGRAPHY 3 credits First semester
The significance of geography in its relation to commerce and industry—descriptive and analytical. (GRAUE)
- 26 BUSINESS ORGANIZATION 3 credits Second semester
Types of enterprise including co-operative associations and socialization. (GRAUE)
- 15-16—SHORTHAND 3 or 4 credits Each semester
A beginning course in Gregg shorthand. 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, there are five additional meetings a week. (REIERSON)
- 71-72 INTERMEDIATE DICTATION 3 credits Each semester
Dictation from 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. (REIERSON)
- 73-74 EXPERT DICTATION 2 credits Each semester
Advanced dictation and court reporting. A speed of 125 words a minute is expected of students who register for this course. (REIERSON)
- 81-82 PRINCIPLES OF ACCOUNTING 3 credits Each semester
An introduction to the science of accounting. A survey of the fundamentals of bookkeeping which proceeds rapidly into the theory and mechanism of modern accounting, and the account interpretation. Lectures and laboratory. Prerequisite to all other courses in accounting. (WILDE)

For Advanced Undergraduates and Graduates

- 108 TRANSPORTATION 3 credits Second semester
Railroad transportation, with minor consideration of ocean and trunk transportation. (NICHOLSON)
- 113-114 STATISTICS 2 credits Each semester
Elementary principles of statistics as applied in the scientific study and interpretation of economic phenomena. (NICHOLSON)
- 123-124 FINANCIAL ADMINISTRATION 3 credits First semester
The financial problems of business enterprises. (FARMER)
- 126 ANALYSIS OF FINANCIAL STATEMENTS 2 credits Second semester
(Omitted, 1929-30) (FARMER)

- 127 CREDITS AND COLLECTIONS 2 credits First semester
(Omitted, 1929-30) (FARMER)
- 129 RETAIL MERCHANDISING 2 credits First semester
The retail market: types of enterprise, analysis of organization, credit and prices. (GRAUE)
- 130 RETAIL MERCHANDISING PROBLEMS 2 credits Second semester
Prerequisite: Bus. 129. (GRAUE)
- 133 COMMERCIAL BANKING PRACTICE 2 credits First semester
(Omitted, 1929-30) (FARMER)
- 134 PRODUCTION ADMINISTRATION 2 credits Second semester
(Omitted, 1929-30) (SUTTON)
- 136 INVESTMENTS 3 credits Second semester
The general problem of investments and the merits of the various types of securities. (FARMER)
- 141 FOREIGN TRADE 3 credits First semester
Principles of international trade: tariff, foreign exchange, market development, dumping, foreign policies, trade agreements, merchandising. (GRAUE)
- 142 FOREIGN TRADE PROBLEMS 2 credits Second semester
(Given in alternate years) Offered in 1929-30. Prerequisite: Bus. 141. (GRAUE)
- 148 ORIENTAL TRADE 2 credits Second semester
(Given in alternate years) Offered 1930-31. Prerequisite: Bus. 141. (GRAUE)
- 151 BUSINESS FORECASTING 3 credits First semester
(Omitted, 1929-30)
- 152 PERSONNEL ADMINISTRATION 3 credits Second semester
The technique of employment management. (SUTTON)
- 153 ADVANCED FINANCIAL ADMINISTRATION 3 credits First semester
(Omitted, 1929-30) (FARMER)
- 161 OFFICE MANAGEMENT 3 credits First semester
A study of the well organized business office, filing systems, office appliances, 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
Legal aspects of common business transactions: contracts, sales, agency, partnership, corporations, guaranty and surety, bailment and negotiable papers. (JACOB)
- 167-168 GOVERNMENT REGULATION OF BUSINESS 2 cr. Each semester
Federal and state legislation affecting business. (SUTTON)

169-170 MARKETING AND MARKET ADMINISTRATION 3 cr. Each semester

An analysis of the marketing process followed by a description and evaluation of the worth of the various marketing agencies and a description of the marketing of leading agricultural and manufactured products. New movements in market organization and methods are stressed. The second semester is devoted to an advanced study of the problems of the manufacturer and wholesaler. (HEFLEBOWER)

175 PRINCIPLES OF ADVERTISING 3 credits First semester
Psychology and technique of advertising. (GRAUE)176 RETAIL ADVERTISING 2 credits Second semester
Commodity advertising: layout exercises; copywriting; campaigns.
Prerequisite: Bus. 175. (GRAUE)178 RISK BEARING AND INSURANCE 3 credits Second semester
(Given in alternate years. Not offered, 1929-30) (FARMER)181-182 ADVANCED ACCOUNTING 3 credits Each semester
Analysis of financial statements, actuarial science, partnership and corporation accounting. Prerequisite: Bus. 81-82 or equivalent. (WILDE)183 AUDITING 3 credits First semester
The mechanics of auditing, reports, and auditor qualifications. Prerequisites: Bus. 81-82, 181-182. (WILDE)184 C. P. A. PROBLEMS 3 credits First semester
Survey course using actual Institute problems as a basis. Individual guidance, without lectures. Examinations at completion of each unit. Prerequisites: Bus. 181-182, 185-186. (WILDE)185-186 COST ACCOUNTING 2 credits Each semester
Covering process and specific order costs. Should be taken in conjunction with Bus. 181-182. Prerequisite: Bus. 81-82. (WILDE)187 INCOME TAX ACCOUNTING 3 credits First semester
A study of the federal income tax laws as they apply to accounting. (WILDE)192 METHODS IN COMMERCIAL TEACHING 3 credits Second semester
The course of study of the high-school commercial department. Methods and practice-teaching. Open only to students who have taken or are taking Bus. E-F, 81-82, 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*203-204 BUSINESS CONDITIONS 3 credits Each semester
Study of fundamental economics and business conditions with particular reference to western industries. (SUTTON)

- 211-212 SEMINAR IN BUSINESS Credits to be arranged Each semester
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

CHEMISTRY*

Professor VON ENDE, Professor KOSTALEK, Assistant Professors CADY, DUSAULT, CONE, Mr. MARTIN, Mr. TURINSKY

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, 51, 52, 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. (Divided into two lecture, ten quiz, and nine laboratory sections.) (VON ENDE, KOSTALEK, CADY, DUSAULT, CONE, MARTIN, TURINSKY)
- 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.
- 51 QUALITATIVE AND GRAVIMETRIC ANALYSIS 4 crs. 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)
- 52 QUANTITATIVE ANALYSIS (VOLUMETRIC) 4 crs. Second semester
Continuation of Chem. 51. The laboratory work consists largely of volumetric analysis, including about thirty problems; McPhail Smith's

*For the Chemical Engineering curriculum, see page 71. For courses in agricultural chemistry and soil chemistry, see Agricultural Chemistry.

Quantitative Chemical Analysis, and Stieglitz's *Theoretical Qualitative Analysis*. Periods per week and sections the same as for Chem 51. Prerequisites: Chem. 1, 2, and 51. (Cady, Cone)

- 53 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)

- 54 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)

For Advanced Undergraduates and Graduates

- 101 ORGANIC CHEMISTRY 4 credits First semester
Three lectures a week on the general principles and theories of organic chemistry. The lectures are accompanied by one laboratory period a week which includes: four discussions of the fundamental operations employed in organic laboratory practice, the preparation of from five to six 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, 51, and 52. (KOSTALEK)

- 102 ORGANIC CHEMISTRY 4 credits Second semester
Continuation of Chem. 101. Two lectures a week, with two periods of laboratory work including the preparation of ten to twelve aliphatic and aromatic compounds, and the quantitative determination of carbon and hydrogen. (KOSTALEK)

- 103 ADVANCED QUANTITATIVE ANALYSIS 1 to 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. 52. One to four laboratory periods a week. Prerequisites: Chem. 1, 2, 51, and 52. (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, 51, and 52. (Cady)

- 105-106 THEORETICAL AND PHYSICAL CHEMISTRY 3 crs. Each semester
A course of lectures to serve as an introduction to the subject, with some emphasis on the study of the atom. Different phases of the field, not otherwise discussed, are selected, according to the student's individual interest, for a comprehensive report with bibliography. Laboratory work includes determinations of molecular weight, electrolytic con-

ductivity, electrolytic potential, (including H-ion concentration), rate of reaction, viscosity, surface tension, solubility, and calorimetry. Two lectures and one laboratory period a week. Prerequisites: Chem. 1, 2, 51 and 52; at least first-year college physics; and Math. 51 and 52. (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, 51, 52, 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 textbook: Roger's *Manual of Industrial Chemistry*. 2 vols. (KOSTALEK)

109-110 THESIS 1 credit 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 procedures of biochemical laboratory practice. Textbooks: Bodansky's *Physiological Chemistry*, and Bodansky and Fay, *Laboratory Manual of Physiological Chemistry*. Two class and two laboratory periods a week. Prerequisites: Six to eight credits in biology and Chem. 1, 2, 51, 52, 101, and 102. (CADY)

Primarily for Graduates

201-202 ADVANCED ORGANIC CHEMISTRY 1 to 3 crs. Each semester

Lectures and quizzes on the theories of organic chemistry. Textbook: Henrich-Johnson and Hahn, *Theories of Organic Chemistry*. 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.

205-206 SEMINAR 1 credit Each semester
(DEPARTMENTAL STAFF)

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. | | |
| 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. | | |
| 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. | | |
| 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 three-credit course. Prerequisites: Math. 11 and C. E. 1. | | |
| 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. | | |
| 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. | | |
| 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 method of solution. Prerequisites: Math. 21 and Phys. 11. | | |
| 8 | RAILROAD CURVES | 1 credit | Second semester |
| | Simple, compound, reversed and parabolic curves. A recitation and problem course. Prerequisite: C.E. 3. | | |
| 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. | | |

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. 51-52 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. 51-52 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 4 credits First semester
The principles of economic location and construction. A line is located, quantities are computed, profiles and a map drawn. Two 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. Prerequisites: 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. Prerequisite: senior standing.
- 125 SEWERS AND SEWERAGE 2 credits First semester
The principles involved in the design, construction, and maintenance 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; foundations 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 drafting 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 relation to power demands; economics of power development. Prerequisite: C.E. 104.
- 128 PRO-SEMINAR 1 credit Second semester
A study of technical periodicals and literature. Papers on engineering topics are prepared, read, and discussed. Prerequisite: 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.
- 138 VALUATIONS AND RATES 2 credits Second semester
The valuation of public utilities; principles and methods; depreciation; rate base. Prerequisite: senior standing.
- WATER RIGHTS 2 credits First semester
See Law 228.
- Primarily for Graduates*
- 201 WATER PURIFICATION AND SEWAGE DISPOSAL 2 crs. First semester
- 202 STATICALLY INDETERMINATE STRUCTURES
Credits to be arranged Either semester
- 219-220 ADVANCED STRUCTURAL DESIGN
Credits to be arranged Each semester
Advanced reinforced concrete and steel design, covering arch, cantilever, and suspension bridges; steel framing of office buildings; foundations. Prerequisite: C.E. 202.
- 241-242 RESEARCH Credits to be arranged Each semester

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 57.

Students who wish chiefly an acquaintance with Roman history and institutions should elect History 14, Roman Civilization.

Primarily for Undergraduates

- 1n-2 ELEMENTARY LATIN 4 credits Each semester
Open to all students. Besides preparing to read Latin the course deals especially with the Latin words, derivatives, and phrases in English and other modern languages, and in the sciences. Translation of easy selections from classic myths, stories from Roman history, and

passages from Caesar's *Gallie War*. Required in the Pre-Medical curriculum. Recommended for pre-legal students. (AXTELL)

3-4 INTERMEDIATE LATIN 4 credits Each semester

Open to students who have had Latin 1-2, or two years of high school Latin. Translation of narratives dealing with Roman life combined with the study of grammar and idioms, reading of selected orations of Cicero 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)

51 PLINY'S LETTERS 3 credits First semester

Open to those who have had Latin 3-4, or three years of high-school Latin. Selected *Letters* bearing on the life of the Roman Empire. Investigation of topics suggested by the *Letters*. Characteristics of Latin literature in the "Silver Age." (RENTFRO)

52 LATIN COMEDY 3 credits Second semester

Open to those who have had Latin 3-4 or three years of high-school Latin. Selected comedies of Plautus and Terence. Papers and reports on topics connected with the Roman drama. Study of early colloquial diction and dramatic poetry. (RENTFRO)

For Advanced Undergraduates and Graduates

101 HORACE 3 credits First semester

Open to those who have had Latin 3-4 or four years of high-school Latin. 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. (AXTELL)

102 LIVY 3 credits Second semester

Open to those who have had Latin 3-4 or four years of high-school Latin. Translation of selections from Livy's history of Rome. Study of the principles of Latin narrative. (AXTELL)

111-112 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 51-52, or 101-102. Required for a recommendation to teach Latin. (Not given in 1929-30) (AXTELL)

121-122 DIRECTED READING 2 or 3 credits Each semester

Rapid translation of standard Latin authors not usually read in the first years of college. Selection will be made to suit the needs and desires of the class from Lucretius, Catullus, the elegiac poets, Juvenal, Petronius, Tacitus, Apuleius, or Suetonius. Prerequisites: Latin 51, 52, 101, 102. (RENTFRO)

123 HISTORY OF LATIN LITERATURE 2 credits First semester

A study of the development of Latin literature to the third century. A. D. Textbook, lectures and outside reading in translations (AXTELL)

- 124 TEACHERS' COURSE 2 credits Second semester
Comprehensive and advanced work in details of Latin philology necessary for the efficient teacher. Ideals, means, and methods of teaching Latin in the high school. (AXTELL)

- 125-126 PRO-SEMINAR 1 to 3 credits Each semester
Introduction to the study of Latin inscriptions and manuscripts. (AXTELL)

Primarily for Graduates

- 201-202 RESEARCH Credits to be arranged Each semester

NOTE.—History 14, Roman Civilization, is a course intended for those who wish to investigate the work and institutions of the Romans without studying the language. See under History.

B. GREEK

Students may begin the study of Greek in the first semester of any collegiate year. It may be taken to satisfy the requirements in a foreign language. For a major in Greek see page 56. Students who wish chiefly an acquaintance with Greek history should elect History 13, Greek Civilization.

Primarily for Undergraduates

- 1n-2 ELEMENTARY GREEK 4 credits Each semester
First lessons comprising the main features of inflection and syntax are learned, simple sentences are written from English into Greek, and easy selections from Greek authors are translated. Emphasis is placed upon the Greek words in current use in modern English writing. (AXTELL)

- 3-4 INTERMEDIATE GREEK 4 credits Each semester
In the first semester selections from Xenophon and Herodotus and other prose writers are translated and practice in writing Greek is continued. Sight translation from Colson's *Stories and Legends of the Greeks*. In the second semester passages from Homer's *Iliad* or *Odyssey* are translated and read metrically. Epic poetry, the Homeric question, the early ages of Greece, the influence of Homer upon English literature, and other topics are investigated.

For Advanced Undergraduates and Graduates

- 101 PLATO 3 credits First semester
The *Apology* and selections from the *Phaedo* and *Crito*. Analysis of other Socratic dialogs. Introduction to Greek philosophy. Study of Plato's life and thought. (AXTELL)
- 102 GREEK TRAGEDY 3 credits Second semester
Translation of a representative tragedy, such as the *Antigone*, *Prometheus Bound*, or *Alcestis*. Lectures and papers on the evolution of classical tragedy. Study of lyric choruses (AXTELL)
- 103 HERODOTUS 3 credits First semester
- 104 THEOCRITUS 3 credits Second semester

105	GREEK LYRICS	3 credits	First semester
106	NEW TESTAMENT GREEK	3 credits	Second semester
107	HISTORY OF GREEK LITERATURE	2 credits	First semester
108	ARCHEOLOGY	2 credits	Second semester

C. THE CLASSICS IN ENGLISH

53-54	SCIENTIFIC TERMINOLOGY	2 credits	Either semester
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A study of the fundamental Latin and Greek works upon which the vocabulary of educated people is largely built. Prefixes, suffixes, formation of singulars and plurals, basic meanings of words commonly and variously used in English, and the history of certain special words, are the chief topics of investigation. Particular attention will be given to the terminology of the study in which each student is specially interested. Recommended in the Pre-Medical Curriculum and by the Department of Psychology. (AXTELL)

57-58	CLASSICAL LITERATURE IN ENGLISH	2 credits	Each semester
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A study thru English translations of the classical masters of poetry and prose, such as Homer, Euripides, Herodotus, Plutarch, Vergil, Horace, Cicero, Seneca, and Tacitus. Lectures on their influence on modern thought and style. (AXTELL)

60	CLASSICAL ART	2 credits	Second semester
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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
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A general survey of the industry; composition of milk, its food value, various products of milk and their importance, and methods of dairy-herd improvement. Study of the Babcock test, cream separation, and the judging of dairy products and dairy cattle. Three lectures and one laboratory period a week. (ANDERSON)

For Advanced Undergraduates and Graduates

- 103 MILK PRODUCTION 3 credits First semester
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)
- 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. 2. (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. 2. (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. (HANSEN)
- 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. (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
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. Prerequisites: D.H. 2 and 113. (THEOPHILUS, HANSEN)
- 120 DAIRY CATTLE FEEDING AND MANAGEMENT 4 cts. 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 seniors in Dairy Husbandry. Three lectures and one three-hour laboratory period a week. Prerequisite: D.H. 2. (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. Prerequisite: D.H. 2. (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 and 113. (THEOPHILUS)
- 129-130 PRO-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)
- 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)
- DAIRY BACTERIOLOGY 3 credits First semester
See Bacteriology 106.
- CHEMISTRY OF DAIRY PRODUCTS 2 credits Second semester
See Agricultural Chemistry 106.

Primarily for Graduates

- 229-230 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)

Dramatics

(See under English)

ECONOMICS

Professor FARMER, Assistant Professor GRAUE, Mr. HEFLEBOWER,
 Mr. NICHOLSON, Mr. SUTTON

Primarily for Undergraduates

- 51-52 PRINCIPLES OF ECONOMICS 4 credits Each semester
 The fundamental principles of economics. Open to all students in the
 University above the freshman year. Three credits each semester be-
 ginning September, 1930. (SUTTON, NICHOLSON)
- 13 AGRICULTURAL ECONOMICS 3 credits First semester
 An analysis of the forces determining the profitableness of the farm
 enterprise: that is, the prices of the productive agents and of the product;
 demand and supply; the forces interfering with a competitive price.
 (HEFLEBOWER)

For Advanced Undergraduates and Graduates

- 105-106 MONEY AND BANKING 3 credits Each semester
 The theory of money and banking, with some emphasis on banking
 practice. (FARMER)
- 109 PUBLIC FINANCE 3 credits First semester
 Public expenditures and revenues. Federal, state, and local financial
 problems. (FARMER)
- 111 LABOR PROBLEMS 3 credits First semester
 The fundamental principles of labor economics. (SUTTON)
- 114 MARKETING FARM PRODUCTS 3 credits Second semester
 An analysis of the process of marketing agricultural products, an
 evaluation of the marketing agencies, and description of the marketing
 of Idaho farm products. The basic principles of co-operation are studied.
 (HEFLEBOWER)
- 115 CO-OPERATIVE MARKETING 3 credits First semester
 An advanced study of the organization, field of activity, and policies
 of co-operative marketing agencies. Typical co-operatives in Idaho and
 elsewhere are studied. Prerequisite: Econ. 114 or Bus. 169. (HEFLE-
 BOWER)

- 150 ECONOMICS OF ENTERPRISE 3 credits Second semester
 An advanced course in economic theory, representing a study of society from the entrepreneur point of view of price. For registration, consult the instructor. (GRAUE)
- 159 HISTORY OF ECONOMIC THOUGHT 3 credits First semester
 A brief survey of the whole field of economic thought with more intensive study of the "classical school" of British economists. (NICHOLSON)
- 173 TRUSTS 3 credits First semester
 (Omitted, 1929-30)

Primarily for Graduates

- 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.
- 215-216 RESEARCH IN ECONOMICS OF THE EXTRACTIVE INDUSTRIES
 Credits to be arranged Each semester
 For seniors and graduate students, with the consent of the instructor. Research in production or marketing problems of the extractive industries. (HEFLEBOWER)

EDUCATION

Professors MESSENGER and RUSSELL, Associate Professor LATTIG,
 Assistant Professor MCCOY, Mr. SMITH

Primarily for Undergraduates

- 2 SCHOOL-ROOM MANAGEMENT 2 credits Second semester
 A practical course dealing with the concrete class-room problems of the teacher. (SMITH)
- 55 IDAHO LAW, MANUAL, AND CIVICS 3 credits First 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)
- 7 PRINCIPLES OF TEACHING 3 credits First semester
 The course presents in a practical way the fundamental processes of instruction. (MESSENGER)

For Advanced Undergraduates and Graduates

- 101-102 ELEMENTARY SCHOOL SUPERVISION 3 credits Each semester
 Intended for those preparing to be critic teachers, supervisors, and principals or superintendents of schools. (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 junior high school organization, administration, and method of instruction. Prerequisite: six credits in Education. (RUSSEL)

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)

115 EDUCATIONAL GUIDANCE 3 credits First semester

A study of the objectives, principles, problems and methods of educational and vocational guidance. (SMITH)

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

OBSERVATION AND TEACHING IN HOME ECONOMICS

3 credits Either semester

See Home Economics 157.

OBSERVATION AND PRACTICE IN TEACHING AGRICULTURE

1 to 5 credits Second semester

See Agricultural Education 155.

METHODS OF TEACHING HIGH-SCHOOL AGRICULTURE

3 credits

First semester

See Agricultural Education 153.

RURAL LIFE AND EDUCATION

3 credits

First semester

See Agricultural Education 151.

VOCATIONAL EDUCATION

2 credits

Second semester

See Agricultural Education 152.

VISUAL PRESENTATION

2 credits

Second semester

See Agricultural Education 154.

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

First semester

A presentation of the fundamental principles and problems of organization and administration of city, county and state school systems.

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.

207 SUPERVISION OF INSTRUCTION

3 credits

First 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. (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)

SEMINAR IN AGRICULTURAL EDUCATION Each semester
See Agricultural Education 251-252.

RESEARCH IN AGRICULTURAL EDUCATION 1 to 4 credits Each semester
See Agricultural Education 253-254.

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

- 20 ELEMENTS OF RADIO-TELEGRAPHY 2 credits Second 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.

For Advanced Undergraduates and Graduates

- 131 DIRECT CURRENT MACHINERY AND DISTRIBUTION
3 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 PRO-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 E.E. 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; designs; 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 Professors MASON and ORIAN, Assistant Professors BURKE and COOPE, Miss WANOUS, Miss BARRY, Mr. BANKS, Mr. SCHULT, Mr. GARLAND, Mr. WILLIAMS, Mrs. CURTIS, Mrs. BANKS, Mr. BECKWITH, Mrs. BRENN.

Professor ELDRIDGE

A. THE UNIFORM PLACEMENT 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 upper classmen. 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 in 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 22.

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 unless they are required to take English A or are excused from one or both semesters of English 1-2 by special examination. Courses 3 and 127 in composition are required for certain groups of students. All sophomores in the junior college are required to take the introductory course in literature known as English 17-18. 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 83-84.

C. PREREQUISITES.—English 1-2 is open only to students who have passed the Uniform Placement 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 (Extemporaneous Speaking), 36 (Parliamentary Law and Procedure), 71-72 (Fundamentals of Play Production), or 81-82 (Elements of Journalism), provided they secure permission from the head of the department. Course 17-18 is a prerequisite to all advanced courses in literature

or language; students who have not had 17-18 can enter such advanced courses only by special permission of the head of the department.

D. MAJOR CURRICULA.—Three major curricula are offered by the department—the regular curriculum in English, a curriculum in Journalism, and a curriculum in Dramatics and Public Speaking. The details of the three curricula are stated on pages 54, 55, 56, and 57 of this catalog. The attention of students is called to the fact that as an adequate preparation for teaching English in the high school the amount of advanced courses required, whether in the College of Letters and Science or in the School of Education, should be considerably more than the old legal minimum of eight credits for a minor.

ENGLISH

Primarily for Undergraduates

A SUB-FRESHMAN ENGLISH No credit Each semester

Required of students who fail to pass the Uniform Placement 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. (BANKS, BECKWITH, BARRY, Mrs. BANKS, WILLIAMS)

1-2 ENGLISH COMPOSITION 3 credits Each semester

Required of all first-year students in the junior college (unless excused by examination), and a prerequisite for all courses in the department except as noted above under "C". Required of all first-year students of other divisions except in the College of Agriculture, in which English 1 alone is required, with the proviso that students in Agriculture making "D" in English 1 are not eligible to English 127 until they have passed English 3 (Supplementary Composition). 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, ORIAN, COOPE, WANOUS, BARRY, BANKS, SCHULT, WILLIAMS, Mrs. BANKS, BECKWITH)

3 SUPPLEMENTARY COMPOSITION 2 credits First semester

Recommended for all sophomores in the junior college who make a "D" in freshman English. Required as a prerequisite to English 127 (Technical Composition) of students in the College of Agriculture who make a "D" in English 1. 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. (COOPE)

17-18 INTRODUCTION TO LITERATURE 3 credits Each semester

Required of all sophomores in the junior college and recommended as an elective to students in the various technical curricula. The course endeavors to show what literature is and to make clear its function in life. Accordingly it traces literature to its source in life, discusses it as artistic expression, defines its various types, and suggests standards for judgment and appreciation—all with the end in view of making literature a permanent resource in the life of the student. The course requires copious and carefully directed illustrative reading, chiefly from English literature, but occasionally from notable pieces of foreign literature. (COOPE)

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 upper classmen. (BURKE)

For Advanced Undergraduates and Graduates

SPECIAL NOTE.—All hundreds courses require English 1-2 and 17-18 as prerequisites.

105-106 ADVANCED LITERARY COMPOSITION 2 credits Each 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. For students of dramatics special emphasis will be placed the second semester on dramatic composition. Open only to those who have completed freshman English and English 17-18 and who have shown some aptitude in literary composition by doing good work in English 61-62 or by writing for publication. (CUSHMAN)

107-108 THE TEACHING OF ENGLISH 2 credits Each semester

Bibliography. Organization of courses. Textbooks. The larger emphasis in the course will be given to the teaching of composition and literature in the high school, but it will consider also the problems of high-school teaching in dramatics, public speaking, and journalism. Primarily for seniors and graduates, with a good body of English courses already 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 the three English curricula in the College of Letters and Science. (MILLER)

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 17-18. (ORIAN)

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 17-18. (———)

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 17-18. (Not given in 1929-30). (COOPE)

119-120 AMERICAN LITERATURE

3 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 17-18. (ORIAN)

121-122 THE MODERN NOVEL

2 credits

Each semester

The chief emphasis is placed upon the development of the novel in the eighteenth and nineteenth centuries; but the development of fiction to 1700 is briefly sketched, and the course is concluded with some analysis of present conditions and tendencies in both English and American fiction. Prerequisites: English 1-2 and 17-18. (Not given in 1929-30) (ORIAN)

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 upper classmen 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 17-18. (CUSHMAN)

124 CONTEMPORARY NON-DRAMATIC LITERATURE

2 cr.

Second semester

A study of contemporary prose fiction or of the two types of literature which emphasize in contemporary thought the subjective point of

view—namely, lyric poetry and the essay. Specially recommended for advanced students in creative writing, but open to upper classmen in any division of the University. Prerequisites: English 1-2 and 17-18. (Not given in 1929-30) (CUSHMAN)

127 TECHNICAL 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 augmentation 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; if the divisional requirement is only one semester of freshman English, a grade of "C" or above in English 1 is required. (COOPE, SCHULDT)

129-130 OUTLINES OF ENGLISH LITERATURE 1 credit Each semester

Intended primarily for seniors in the English curriculum. The chronology of English literature, the development of the various literary types, the placing and influence of the chief literary figures, and the influence of the times upon literary development. Prerequisites: English 1-2 and 17-18. (Not given in 1929-30) (———)

131 OLD ENGLISH LANGUAGE AND LITERATURE 3 crs. 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 upper classmen and graduates. Prerequisites: English 1-2 and 17-18. (MILLER)

132 CHAUCER AND MIDDLE ENGLISH 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 upper classmen and graduates. Prerequisites: English 1-2 and 17-18. (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 comparison of this work with Shakespeare's earlier plays. Theatrical and social conditions affecting the Elizabethan drama. Prerequisites: English 1-2 and 17-18. (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 17-18. (MILLER)

- 171-172 READINGS IN EUROPEAN LITERATURE 3 crs. Each semester
 Selections from medieval and modern literatures as an introduction to the comparative study of literary personalities and tendencies among various European peoples. (ELDRIDGE)

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. (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. (MILLER)
- 203-204 SPECIAL PROBLEMS IN THE DEVELOPMENT OF (a) POETRY, (b) DRAMA, (c) PROSE FICTION, OR (d) THE ESSAY
 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. (ORIAN)
- 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. 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 17-18 is a prerequisite.

- 31-32 FUNDAMENTALS OF SPEECH 2 credits Each semester
 An introduction to the thought, voice, and action of public speaking. Beginning course. Sections limited to twenty students each. No prerequisite. (GARLAND, CURTIS)

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. (WANOUS)

35 EXTEMPORANEOUS SPEAKING 2 credits First semester
 The application of the extempore method to public speaking. One
 section. Open to those having had English 31-32 or equivalent Open
 to freshmen by special permission. (GARLAND)

36 PARLIAMENTARY LAW AND PROCEDURE 2 credits Second semester
 A study of parliamentary law and procedure thru organization
 of the class as a parliamentary body and practice of speech under par-
 liamentary conditions. (GARLAND)

37 INTERCOLLEGIATE DEBATING 1 credit Either semester
 The questions for debate are studied and briefed, and frequent de-
 bate practice is held. Students are selected on a competitive basis and
 organized into a regular class. University debaters are chosen primarily
 from this group. (GARLAND)

71-72 FUNDAMENTALS OF PLAY PRODUCTION 3 credits Each semester
 A study of the one-act play as literature, as a form of English com-
 position, and as a means of developing talent for the acting and stag-
 ing 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 pro-
 ductions. Open to any properly qualified student in the University;
 freshmen, to register, must secure special permission from the head of
 the department. (CUSHMAN, CURTIS, BRENN)

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-
 106 under ENGLISH above.

123 CONTEMPORARY DRAMA 2 credits First semester
 For a 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.

- 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 17-18. (GARLAND)
- 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 17-18. (GARLAND)
- 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 17-18. (GARLAND)
- 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 English 1-2 and 17-18. With the recommendation of the instructor, this course may be taken two years in succession. (WANOUS)
- 171-172 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. With the recommendation of the instructor, this course may be taken two years in succession. Prerequisites: English 1-2 and 17-18 (CUSHMAN)

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 81-82 (Elements of Journalism) with English 1-2. For all hundreds courses in Journalism English 17-18 is a prerequisite.

Primarily for Undergraduates

- 81-82 ELEMENTS OF JOURNALISM 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; students taking English A are not eligible. (MASON)
- 83-84 COLLEGE JOURNALISM 1 credit Each semester
One credit each semester will be given for *Argonaut* work done under the following conditions: the student must be the editor or managing editor of the *Argonaut* or an upper classman majoring in journalism; he must register for the credit; he will not be permitted to re-

ceive *Argonaut* credit while receiving credit in Reporting (English 181-182). (MASON)

For Advanced Undergraduates and Graduates

- 181-182 REPORTING 3 credits Each semester
Practice in news writing, covering textbook assignments and events of campus and town. One recitation and two three-hour laboratory periods weekly. Prerequisite: English 81-82 or the equivalent. (MASON)
- 183 EDITORIAL WRITING 5 credits First semester
Daily discussion of the news, with instruction and practice in the writing of editorials. Prerequisite: English 81-82. (Not given in 1929-30). (MASON)
- 184 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 some outside preparation. Prerequisite: English 181-182 or to be taken with English 182. (Not given in 1929-30). (MASON)
- 185 HISTORY OF JOURNALISM 2 credits First semester
A history of American journalism, with special attention to present tendencies. Prerequisite: English 81-82. (MASON)
- 186 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 181-182, or to be taken with English 182. (MASON)
- 191 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 81-82. (MASON)
- 192 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 81-82. (Not given in 1929-30). (MASON)
- 195 PUBLICITY 2 credits First semester
Principles of news publicity as distinguished from advertising. Pamphlets and house organs. Prerequisite: English 81. (MASON)
- 196 COMMUNITY NEWSPAPER 2 credits Second semester
Problems of the small-town newspaper. Prerequisite: English 81-82. (Not given in 1929-30). (MASON)

ENTOMOLOGY

Professor WAKELAND, Assistant Professor SHULL

Primarily for Undergraduates

- 1 GENERAL ENTOMOLOGY 3 credits First semester
Morphology, physiology, development, classification, and life-history studies of insects in general. Recognition and control of important pests. Two lectures and one three-hour laboratory weekly. (SHULL)
- 2 FOREST INSECTS 3 credits Second semester
Study of insects in general and principles of insect control, followed by special consideration of the insects of greatest economic importance in the forests, forest products, and ornamentals. Two lectures and one three-hour laboratory weekly. (SHULL)

For Advanced Undergraduates and Graduates

- 104 GENERAL ECONOMIC ENTOMOLOGY 3 credits Second semester
Detailed studies of the principles of insect control, followed by specific attention to individual insects of greater economic importance. Two lectures and one three-hour laboratory weekly. Prerequisite: Ent. 1 or Ent. 2. (WAKELAND)
- 105 EXTERNAL INSECT ANATOMY 3 credits First semester
A study of classification, nomenclature, and taxonomic practice. One lecture and two three-hour laboratories weekly. Prerequisite: Ent. 1 or Ent. 2. (SHULL)
- 106 SYSTEMATIC ENTOMOLOGY 3 credits Second semester
A study of classification, nomenclature, and taxonomic practice. Three three-hour laboratories weekly. Prerequisite: Ent. 105. (SHULL)
- 107-108 SPECIAL PROBLEMS 3 to 5 credits Each semester
Open to students of advanced standing ready to take up some special investigation which may be completed as an undergraduate study, or be a beginning of a thesis problem for an advanced degree. Prerequisite: Ent. 104 or 106. (WAKELAND, SHULL)

Primarily for Graduates

- 209-210 RESEARCH IN ENTOMOLOGY
Credits to be arranged Each semester
(WAKELAND, SHULL)
- 211-212 SEMINAR IN ENTOMOLOGY 1 credit Each semester
Prerequisite: Ent. 1 or Ent. 2. (WAKELAND, SHULL)

FORESTRY

Professors MILLER and HUBERT, Associate Professors KEMPFF and HAASIS, Assistant Professors TAYLOR and NETTLETON, Mr. WEISEHUEGEL

Primarily for Undergraduates

- 1 ELEMENTS OF FORESTRY 2 credits First semester
A general course dealing with forestry in its relation to the everyday 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
Summer and winter identification, classification, characteristics, and distribution of the principal commercial species of trees of temperate North America, including some exotics. Construction and use of keys. Two lectures or recitations and two laboratory or field periods a week. Prerequisites: Botany 1 and 2. Text: Sargent's *Manual of the Trees of North America*. (WIESEHUEGEL)
- 16 OUR TREES AND HOW TO KNOW THEM 2 credits Second semester
A course for non-forestry students. Identification 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 FOUNDATIONS OF SILVICULTURE 3 credits First semester
A study of the effect of environmental factors upon tree growth with a consideration of the re-action of the forest vegetation upon the environment. Forest vegetational units, succession, the stand, and the tree as an individual are considered. Two lectures and one field or laboratory period a week. Prerequisites: Bot. 1-2; For. 10. Text: Toumey's *Foundations of Silviculture*. (TAYLOR)
- 26 SEEDING AND PLANTING 2 credits Second semester
A study of the operations pertaining to the artificial regeneration of forests from collection of seed to planting the trees. One lecture and one laboratory period a week. Prerequisite: For. 23. Text: Toumey's *Seeding and Planting in the Practice of Forestry*. (TAYLOR)

- 28 FARM FORESTRY 2 credits Second semester
Planting and care of farm woodlots, windbreaks and ornamental trees; seasoning, preservation, use, and marketing of farm woodlot products; principles and practice of log scaling and timber cruising as applied to farm woodlots. Two lectures a week. Open to students in other departments. (NETTLETON)
- 54 RECREATIONAL USES OF THE FOREST 2 credits Second semester
Recreation on the national forests, national parks, and state parks with a consideration of fish and game in relation to recreation. Two lectures a week. Open to students in other departments. (TAYLOR)
- 61 FIRE PROTECTION 2 credits Second semester
Prevention, detection and control of forest fires; brush disposal; fire laws and their enforcement; trail construction. Two lectures a week. (NETTLETON)

For Advanced Undergraduates and Graduates

- 123 PRACTICE OF SILVICULTURE 3 credits First semester
Methods of natural reproduction of forests with a consideration of their application in the different forest regions of the United States. Two lectures and one laboratory period a week. Text: Hawley's *Practice of Silviculture*. Prerequisite: For. 23. (TAYLOR)
- 131 WOOD TECHNOLOGY 4 credits First semester
Identification, structural, physical, mechanical properties and uses of our important economic woods. Factors affecting mechanical properties and methods of timber testing. Reports on collateral reading. Two lectures or recitations and two laboratory periods a week. Prerequisites: For. 10 and Phys. 1. Text: Record's *Economic Woods of the United States*. (WIESEHUEGEL)
- 132 TIMBER PHYSICS 2 credits Second semester
Mechanical properties of wood and factors affecting them; physical properties of economic woods of the United States; stresses resisted by structural timbers; methods of timber testing. Two recitations a week. Text: Record, *Mechanical Properties of Wood*. Prerequisites: Phys. 1 or 2, For. 10, For. 131. (HAASIS)
- 133 FOREST BY-PRODUCTS 2 credits First semester
Production, manufacture, and use of paper, rayon, naval stores, tanning and dyeing materials, rubber, maple sirup, cork, etc.; chemistry of cellulose. Two recitations a week. Text: Brown, *Forest Products*. Prerequisites: Bot. 1-2, Chem. 1-2. (HAASIS)
- 136 SEASONING AND PRESERVATION OF WOOD 3 crs. Second semester
Principles and practices, methods, equipment, and costs. Two recitations and one laboratory period a week; laboratory work includes inspection trips to nearby plants. Prerequisites: Chem. 1-2, For. 131, For. 164. (HAASIS)

- 140 FOREST ECONOMICS 2 credits Second semester
The economic value and benefits of forests; 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. Two lectures or recitations a week. (MILLER)
- 141 FOREST HISTORY AND POLICY 3 credits First semester
History of forestry in foreign countries; development of land policies of the United States; state and federal legislation, forestry organization, policy, and taxation. Industrial forestry developments. Reports. Three lectures or recitations a week. Text: Ise's *The United States Forest Policy*. (WIESEHUEGEL)
- 142 FOREST ADMINISTRATION 2 credits Second semester
Methods of handling personnel, administration of sales, special uses, grazing. Work plans, activity priorities, resource plans, standards, inspection methods, job-rating schemes and man-rating schemes used in forestry. Two lectures a week with occasional reports on reading assignments and problems. (WIESEHUEGEL)
- 151 RANGE MANAGEMENT 3 credits First semester
A study of the grazing industry and range control, pasture re-vegetation, range protection, and research methods. Two lectures and one laboratory period a week. May be taken as a two-credit course by non-forestry students and by forestry students taking systematic botany. (TAYLOR)
- 152 NATIVE FORAGE PLANTS 3 credits Second semester
A brief study of grazing history and Forest Service grazing policies, followed by a consideration of plant life and important native forage plants. Three lecture periods a week. Text: Sampson's *Native Forage Plants*. (TAYLOR)
- 153-154 FOREST MENSURATION 3 credits Each semester
First semester course covers principles and practice of log scaling and surveying practice as applied to forest conditions. The second semester covers the principles and practice of timber cruising and includes volume-table construction, graphical analysis, form and sample plot studies. Two lectures and one laboratory period a week. Text: Chapman's *Forest Mensuration*. 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. 153-154. (MILLER)
- 157 FOREST MENSURATION 3 credits First semester
Principles and practice of growth studies; construction and use of yield tables; co-ordination of growth studies with forest surveys. Two

lectures and one laboratory period a week. Text: Chapman's *Forest Mensuration*. Prerequisites: For. 153-154. (NETTLETON)

- 164 FOREST PATHOLOGY 2 credits Second semester
History, principles, and practices of laboratory and field activities in forest pathology. Principal tree diseases, their cause and control. Wood pathology, decay and staining of lumber, timber and other wood products; lumber-yard sanitation; cause and control of decay in buildings. Field work on the identification of diseases and their causes. Two lectures a week. Prerequisites: For. 131, Bot. 1-2. (HUBERT)
- 171 LOGGING 3 credits First semester
Logging operation organization; methods of logging and transportation used in various regions, with special reference to sustained forest growth, costs of operation, stumpage appraisals, and timber-sale contracts. Three lectures or recitations with occasional field trips and reports. Text: Bryant's *Logging*. (WIESEHUEGEL)
- 172 LUMBER MANUFACTURE AND DISTRIBUTION. 3 crs. Second semester
Important lumber statistics, equipment and operation of sawmills, close utilization, distribution and transportation of forest products; markets and lumber prices. Three lectures or recitations and two or three field trips to nearby mills, and reports. Text: Bryant's *Lumber*. (WIESEHUEGEL)
- 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 work 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 2 credits 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, HAASIS, TAYLOR, NETTLETON, WIESEHUEGEL)
- 191 FOREST RESEARCH METHODS 2 credits First semester
A course covering the methods and principles used in choosing, outlining, planning and completing for publication a forest research project. It includes: history of forest research; existing agencies; selection of problem; its variables; statistical methods; methods of check-

ing; preparation of tables, graphs and illustrations; preparation and reviewing the manuscript. Emphasis placed upon methods and rules of proof. Prerequisites: Math. 1, Chem. 1, For. 23, For. 131, For. 153. Open only to advanced undergraduate students. (HUBERT)

Primarily for Graduates

210 DENDROLOGY 2 credits Second semester
Dendrological problems and research. One lecture or seminar and one laboratory a week. Prerequisites: For. 10 and 191. (WIESEHUEGEL)

231 WOOD TECHNOLOGY 2 credits First semester
Problems, reading, and reports. Microtechnique of wood, staining, sectioning and study methods used. Microphotography of wood sections. One seminar or lecture and one laboratory a week. Prerequisites: For. 131 and 191. (WIESEHUEGEL)

255 FOREST MANAGEMENT 2 credits First semester
Special field problems in forest management. (MILLER, KEMPFF)

281-282 RESEARCH IN FORESTRY Credits to be arranged 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.

291 FOREST RESEARCH METHODS 2 credits First semester
A course following the same general outline as Forestry 191 but more intensive and of a more advanced nature. Special assignments on selected topics. Open only to graduate students. (HUBERT)

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. (HUBERT)

French

(See under Modern Languages)

GEOLOGY

Professor LANEY, Assistant Professor ANDERSON, Mr. HITE

Primarily for Undergraduates

- 1 INTRODUCTORY GEOLOGY 4 credits Either semester

A foundational course covering in an extensive manner structural, dynamical, and historical geology, designed to serve as an informational course for the non-technical student, and also as a foundation for additional geological study for the technical student. Three hours of lecture and recitation, and one three-hour laboratory period each week. (LANEY)

- 2 HISTORICAL AND PHYSICAL GEOLOGY 4 credits Second semester

A course planned to articulate with the work of the introductory course, but in no way to duplicate the work. The subjects touched upon extensively in that course will be considered intensively in this and many additional subjects will be considered. The two courses are so designed that the second supplements the first, and the two will give the student a thoro understanding of the fundamental principles and facts of general geology. Three hours of lecture, recitation, and readings, and one three-hour laboratory period each week. Prerequisite: Geol. 1 or its equivalent. (LANEY)

- 11 GENERAL GEOGRAPHY 3 credits First semester

An introduction to the science of geography. The character and distribution of the elements of the natural environment, together with the human adjustments made to each element. The course is designed to serve as an introduction to the study of geographic regions of the world and to form a basis for the study of economic geography. (HITE)

- ECONOMIC GEOGRAPHY 3 credits First semester

See Business Administration 25.

For Advanced Undergraduates and Graduates

- 101 ADVANCED PHYSIOGRAPHY 3 credits First semester

The nature and results of gradational agents, of disastrophism, and of vulcanism; special problems of geologic processes; interpretation of land forms and of sedimentary and metamorphic structures. Prerequisite: Geol. 1-2. (ANDERSON)

- 102 ADVANCED STRATIGRAPHY 3 credits Second semester

An advanced course based chiefly on the physical history of the North American continent, in which particular emphasis is placed in the character and distribution of the rocks and the conditions attending their formation. Prerequisite: Geol. 101. (ANDERSON)

- 103 GENERAL MINERALOGY 3 credits First semester

Crystallography and physical mineralogy, including a detailed study of the crystal systems and classes with emphasis on their use in mineral identification, and also the more important physical properties of the

common minerals, especially stressing those characters useful in field recognition. One lecture and two three-hour laboratory periods. Prerequisites: Chem. 2; Geol. 2. (ANDERSON)

104 GENERAL MINERALOGY 3 credits Second semester

A continuation of Geology 103. Particular emphasis is placed on determinative mineralogy, especially by physical and chemical means (including blowpipe analysis). The student is required to familiarize himself with all the common and important minerals. Lectures and recitations covering descriptive mineralogy will include a study of the geologic occurrence, genesis, association, and alteration products of these minerals with their value in identification. One lecture and two three-hour laboratory periods. Prerequisite: Geol. 103. (ANDERSON)

108 ROCK MINERALS AND ROCKS 3 credits Second semester

A study of the rock-forming minerals and common rocks with emphasis on identification from megascopic characters. Includes a study of the origin, structure, metamorphism, and the decomposition products of rocks. Prerequisite: Geol. 2. (ANDERSON)

111 INTRODUCTORY PALEONTOLOGY 3 credits First semester

Lectures 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. Two lectures, one laboratory period. Prerequisite: Geol. 2. (Given in alternate years; given in 1930-31). (LANEY)

131 METHODS OF GEOLOGICAL FIELD-WORK 2 crs. First 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 preparation of a geologic report. Prerequisites: Geol. 2; C.E. 3-4. (LANEY)

141-142 CURRENT GEOLOGIC LITERATURE 1 credit Each semester

Reviews, reports, and critical study of all phases of geological publications. Prerequisite: Geol. 2. (HITE)

151 ECONOMIC GEOLOGY 3 credits First semester

The nature, mode of occurrence, distribution, origin, and uses of the more important non-metallic mineral deposits, exclusive of petroleum. The economics of the various non-metallic industries and the principal methods used in mining and treatment. Prerequisite: Geol. 104. (ANDERSON)

152 ECONOMIC GEOLOGY 4 credits Second semester

The origin, occurrence, and distribution of the metallic mineral deposits. Formation of ore deposits and the genetic classification of

the metallic ores. Various type deposits of the world, especially those of the United States. Laboratory practice in the interpretation of ore textures and in mineral paragenesis as observed under the reflecting microscope, stressing especially the criteria used in diagnosing the type and origin of the deposits. Prerequisites: Geol. 104; Chem. 3. (LANEY)

153 PETROLEUM GEOLOGY 3 credits First semester

A study of stratigraphy and structure with special reference to oil possibilities and petroleum engineering, including the origin, migration, accumulation, and occurrence of petroleum, with a review of the world's greatest oil fields. Field methods used to locate oil in the various provinces. Prerequisites: Geol. 102; Phys. 2. (Given in alternate years; given in 1929-30) (LANEY)

155 MINERAGRAPY 2 credits First semester

Application of the reflecting microscope to the problems of geology, mineralogy, and metallurgy. Methods of preparation of polished sections of the opaque minerals and metallurgical products, their identification under the microscope, and the interpretation of their structure. Two three-hour laboratory periods. Prerequisites: Geol. 104; Chem. 3. (LANEY)

151 STRUCTURAL GEOLOGY 3 credits First semester

A study of rock deformation, including a review of the principles and theories of earth diastrophism; a discussion of rock structures such as fracture cleavage, joints, faults, folds, etc. The mechanics of their origin their interpretation and their application to the solution of other geologic problems. Prerequisite: Geol. 102 or Geol. 104. (ANDERSON)

162 SEDIMENTATION 3 credits Second semester

A course dealing with the principles of sedimentation. Of special value to students of stratigraphy and to those who contemplate entering the field of petroleum geology. Prerequisites: Geol. 102, 108. (Given in alternate years; given in 1929-30). (LANEY)

164 OPTICAL MINERALOGY AND PETROGRAPHY 4 crs. Second semester

Study of optics as applied to the determination of minerals by the polarizing microscope and the identification of minerals in this section. Study of igneous rock types with the petrographic microscope and the classification of rocks based on the mineralogical and chemical composition. Class meets two hours daily for lecture and laboratory practice. Prerequisites: Geol. 104; Geol. 108; Phys. 2. (ANDERSON)

170 GEOLOGY OF NORTH AMERICA 3 credits Second semester

A study of the physiographic, stratigraphic, structural, and economic problems of the North American continent. Prerequisite: Geol. 102. (Given in alternate years; given in 1930-31). (LANEY)

197-198 GEOLOGIC THESIS 2 credits Each semester

Required of all students choosing the geological option in the School of Mines. As this course will in most cases require field work, the student should consult the instructor in the month of June preceding.

Primarily for Graduates

225-226 GEOLOGIC RESEARCH IN SPECIFIC FIELDS

Credits to be arranged Each semester

This course is designed as advanced work for students taking the Geological Option and for graduate students in geological sciences. Fields of geological research may be in subjects as follows: A. Problems in the geologic processes. B. Problems in geography. C. Mineral deposits. D. Petrology. E. Mineralogy. F. Soil minerals and soils (in co-operation with the Department of Agronomy, College of Agriculture). G. Economics of the mineral industry (in co-operation with the Department of Economics, School of Business Administration). May be elected more than once to cover different researches. (LANEY, ANDERSON)

German

(See under Modern Languages)

Greek

(See under Classical Languages)

HISTORY

Professors CHURCH, *BROSAN, and RETHERFORD, Mr. J. R. JONES
Professor AXTELL

Primarily for Undergraduates

1-2 HISTORY OF CIVILIZATION 3 credits Each semester

A survey course in the history of the life and thought of the past, together with its expression in art and letters. It aims to show their relationships with each other and with politics. (CHURCH)

13-14 CLASSICAL CIVILIZATION 3 credits Each semester

The course deals with the Grecian and Roman governments, customs, art, literature, and institutions and their contribution to the modern world. It is carried on thru lectures by the instructor, and reports, papers, and written exercises by members of the class. (AXTELL)

21-22 HISTORY OF THE AMERICAS 3 credits Each semester

A survey course in the history of North and South America, distributing the emphasis between English, French, and Spanish contributions to American civilization. (BROSAN)

*On leave, 1928-29.

For Advanced Undergraduates and Graduates

- 101 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. (CHURCH)
- 102 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)
- 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)
- 105-106 RECENT TIMES 3 credits Each 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. (CHURCH)
- 109-110 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. (RETHERFORD)
- 111-112 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 national consciousness; Jacksonian Democracy; expansion and "manifest destiny"; slavery in the territories; the growth of sectionalism; secession and the Civil War, 1861-1865. (RETHERFORD)

- 113-114 ECONOMIC HISTORY 3 credits Each semester
A methodical study of the evolution in modern times of the economic factors in history, carefully correlated with political events which must be estimated in relation to them. The emphasis is distributed between Europe, England, and the United States. (CHURCH AND COLLEAGUES)
- 117-118 ENGLISH CONSTITUTIONAL HISTORY 3 crs. 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 21-22. (———)
- 119 HISTORICAL METHOD (PRO-SEMINAR) 2 credits First 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. (CHURCH)
- 120 THE TEACHING OF HISTORY 2 credits Second semester
A course designed for students expecting to teach in the secondary schools. It will present methods of approach and the critical examination of textbooks. (———)
- 121-122 RECENT AMERICAN HISTORY, 1865-1929 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. (RETHERFORD)
- 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. Essentially a research course; thesis required. (RETHERFORD)
- 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. Essentially a research course; thesis required. (RETHERFORD)
- 141-142 HISTORY OF FRENCH CIVILIZATION 2 credits Each semester
(Not given in 1929-30.) (———)

151-152 HISTORY OF GERMAN CIVILIZATION 2 credits Each semester
(Not given in 1929-30.) (———)

161-162 HISTORY OF SPANISH CIVILIZATION 2 credits Each semester
(Not given in 1929-30.) (———)

Primarily for Graduates

201-202 SEMINAR IN EUROPEAN HISTORY
Credits to be arranged Each semester
The subject for 1929-1930 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. (BROSNAN)

HOME ECONOMICS

Professor JENSEN, Associate Professors LEWIS and ELLIS, Assistant Pro-
fessors JOHNSON and INGALLS, Mrs. RUTLEDGE, Miss THORNER,
Assistant Professor PRICHARD

FOODS

For Advanced Undergraduates and Graduates

101 SELECTION AND PREPARATION OF FOODS 3 credits First semester
Methods of cooking and a general study of foods as to classification,
composition, preservation, and value in diet. One lecture and two three-
hour laboratory periods a week. Prerequisites: Chem 1-2. (LEWIS)

102 MARKETING AND SERVING 3 credits Second semester
The course is intended to have a very direct bearing on home prob-
lems. Special attention is given to methods of teaching. One lecture
and two three-hour laboratory periods a week. Prerequisites: Chem. 14;
H.Ec. 101. (LEWIS)

103-104 DIETETICS 3 credits Each semester
Study of food composition and metabolism; diets as influenced by
conditions governing energy metabolism; balanced rations, and compu-
tation of caloric values. Infant feeding and special diets in disease.
Teaching methods. Two one-hour periods and one three-hour period a
week. Prerequisites: Chem. 14; H.Ec. 102; Zool. 6; and Bact. 51.
(JENSEN)

TEXTILES AND CLOTHING

For Advanced Undergraduates and Graduates

- 108 ELEMENTARY CLOTHING 3 credits Second semester
Fundamentals of hand and machine sewing; making of simple garments; renovation and repair of clothing. Application of the principles of line and color as used in clothing. Two three-hour periods and one one-hour laboratory period a week. Prerequisite: H.Ec. 109. Students passing a proficiency test will be excused from one laboratory period a week. (INGALLS)
- 109 TEXTILES 2 credits First semester
The history and development of textiles with viewpoint of consumer. One three-hour period a week and one one-hour period. (INGALLS)
- 140 COSTUME DESIGN 2 credits Second semester
A brief study of the development of clothing. 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. Prerequisite: H.Ec. 12. (JOHNSON)
- 105 ADVANCED CLOTHING 2 credits First semester
Garments designed from flat patterns. Emphasis on fitting and designing of garments. Two three-hour periods a week. Prerequisites: H.Ec. 108 and 140. (INGALLS)
- 106 DRESSMAKING AND MILLINERY 2 credits Second semester
Designing and draping of more difficult garments on padded forms. Types of decoration. Six weeks spent on designing of felt and fabric hats. Hat renovation problems. Two three-hour periods a week. Prerequisite: H.Ec. 105. (INGALLS)
- 143 HISTORIC COSTUME 2 credits First semester
A comprehensive study of historic, national, and peasant costume, to develop knowledge and appreciation essential for intelligent designing of clothing and for correct and sympathetic costuming for pageants and plays. No prerequisites. (JOHNSON)

HOUSEHOLD ADMINISTRATION

For Advanced Undergraduates and Graduates

- 131 HOUSE MANAGEMENT AND SANITATION 2 credits Second semester
Organization of the household; sanitation; budgeting; household accounts and business points. Practical application in actual household work. Two lectures a week. Open to juniors and seniors. (LEWIS)
- 133 PRACTICE COTTAGE 2 credits Each semester
Managing the house, planning and cooking all the meals, buying and paying the bills. Budgeting and keeping accurate account of all the

expenditures. The practice cottage will, in so far as possible, reproduce home conditions. Four weeks. Prerequisite: senior standing. (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. (RUTLEDGE)

THE HOUSE

Primarily for Undergraduates

- 82 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. Prerequisite: H.Ec. 11-12. (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. Prerequisite: H.Ec. 11-12. (JOHNSON)
- 144 ADVANCED INTERIOR DECORATION 2 credits Second semester
A concentrated study of the colonial and modern American house, with emphasis on practical planning and budgeting, supplemented with actual problems. Prerequisite: H.Ec. 141. (JOHNSON)

ART

Primarily for Undergraduates

- 11-12 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, one two-hour period and one three-hour period a week. Credit for H.Ec. 11 will not be given until after completion of H.Ec. 12. (JOHNSON)

HUMANICS

For Advanced Undergraduates and Graduates

- 135 CHILD DEVELOPMENT 2 credits First semester
Problems of infancy, physical care for normal growth and development, recreation, prevention of defects, behavior difficulties, and remedial procedures. Two lectures a week. Prerequisite: H.Ec. 134. (JENSEN)
- 136 THE FAMILY 2 credits Second semester
History of the family as a social and educational institution. Two lectures a week. (JENSEN)

HOME ECONOMICS RESEARCH

Primarily for Graduates

201-202 RESEARCH

(JENSEN)

METHODS

For Advanced Undergraduates and Graduates

- 152 METHODS OF TEACHING HOME ECONOMICS 2 credits Second semester
The relation of home-economics subjects to education; their place in the curriculum; and the methods employed in teaching them; lesson plans, courses of study, and problems of equipment. Three one-hour periods a week. (ELLIS)
- 153 METHODS IN RELATED ART AND RELATED SCIENCE
2 credits First semester
Scientific principles applied to solution of problems arising in vocational home economics; art principles applied to costume design and interior decoration. Two lectures a week. (ELLIS, JOHNSON)
- 156 METHODS FOR HOME ECONOMICS EXTENSION WORKERS
2 credits First semester
Methods of procedure for extension workers in home economics. Each student must prepare and present lectures and demonstrations on various problems of the home. Two lectures a week. (JENSEN)
- 157 OBSERVATION AND TEACHING IN HOME ECONOMICS
4 credits Either semester
Observation and teaching under supervision in the home economics classes of the Moscow High School. Prerequisite: H.Ec. 152. (ELLIS, THORNBUR, JENSEN)

HOME ECONOMICS FOR B.A. STUDENTS

Primarily for Undergraduates

- 1 COOKING AND SERVING (B.A.) 2 credits Either semester
For students not registered in Home Economics. 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)
- 21 CLOTHING (B.A.) 2 credits First semester
For students not registered in Home Economics. 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. (INGALLS)
- 31 THE HOUSE (B.A.) 2 credits Either semester
For students not registered in Home Economics. To develop an appreciation of problems in connection with the planning, building and decorating of a house and the developing of good taste and appreciation in the selection and arrangement of furniture, drapes, rugs, and accessories. (JOHNSON)

HORTICULTURE

Professor *VINCENT, Assistant Professor VERNER, Mr. BLODGETT,
Mr. ASHLEE

Primarily for Undergraduates

- 2 INTRODUCTION TO HORTICULTURE 4 credits Second semester
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. (VERNER, BLODGETT)
- 4 VEGETABLE GARDENING 2 credits Second semester
Study of the classification, culture, requirements, handling, and storage of vegetables, with special emphasis on the small home garden. 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
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. 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 in starting plants from seed, indoors and outdoors, both in frames and in the open. Study of potting, soils, insect pests, diseases of plants, winter-blooming bulbs, porch boxes, hanging baskets, etc. Study 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. One recitation and one three-hour laboratory period a week. (VERNER, ASHLEE)
- 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, planting, classification, breeding, climate, soils and rotation, fertilizer, planting, irrigation, diseases, insect pests, etc. One lecture and one three-hour laboratory period a week. (BLODGETT)
- 10 LANDSCAPE GARDENING 3 credits Second semester
Elementary principles underlying the use of plants for beautifying private and public grounds. Two recitations and one three-hour laboratory period a week. (VERNER)

*On leave, 1928-29.

For Advanced Undergraduates and Graduates

- 101-102 PRACTICAL POMOLOGY 2 credits Each semester
Principles of fruit-growing. Planting, pruning, thinning, harvesting, and packing. Practical problems in growing and handling commercial orchards. The small-fruits industry. Junior year. Two recitations and one three-hour laboratory period a week. (VERNER)
- 103 SYSTEMATIC POMOLOGY 2 credits First semester
The description, nomenclature, and classification of the common fruits. Practice in fruit-judging and displaying. Lectures, reference reading, and laboratory. Junior year. One recitation and one three-hour laboratory period a week. (VERNER)
- 104 TRUCK GARDENING 3 credits Second semester
The growing of vegetables from a commercial standpoint; 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.
- 106 SPRAYING 3 credits Second semester
History, materials, apparatus, and various methods employed in combating insects and fungi. 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 crs. Second semester
A systematic study of trees, shrubs, and flowers most used in landscape gardening. Collateral reading on landscape theory and design. Prerequisite: Hort. 10. Two lectures and one three-hour laboratory period a week. (VERNER)
- 110 EVOLUTION OF HORTICULTURAL PLANTS 2 credits Second semester
Theories 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. Study of 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. (VERNER)
- 113-114 THESIS AND SEMINAR 2 credits Each semester
Advanced problems in horticulture. Senior year. (VERNER)

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.
- 202 EXPERIMENTAL HORTICULTURE 3 credits Second semester
 Designed for those intending to follow horticulture as a profession or to take up experiment-station work.

Journalism

(See under English)

Latin

(See under Classical Languages)

LAW

Professors DAVIS and *HARRIS, Associate Professors †JACOB, MOREAU, and MASTERSON

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*. (DAVIS)
- 104 AGENCY 3 credits Second semester
 Keedy's *Cases on Agency*. Selected cases on workmen's compensation. (MASTERSON)
- 105 CRIMINAL LAW 3 credits First semester
 Mikell's *Cases on Criminal Law* 2nd. ed. (MOREAU)
- 109 CIVIL PROCEDURE 3 credits First semester
 Magill's *Cases on Civil Procedure*. (HARRIS)
- 111 PERSONAL PROPERTY 2 credits First semester
 Bigelow's *Cases on Personal Property*. (JACOB)

*On leave, 1928-29. †On leave, 1929-30.

112	RIGHTS IN LAND	3 credits	First semester
	Bigelow's <i>Cases on Rights in Land</i> . (JACOB)		
115n-116	TORTS	2 credits	First semester
		3 credits	Second semester
	Bohlen's <i>Cases on Torts</i> . (MASTERTON)		

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. (DAVIS)		
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> . (DAVIS)		
235n-236	PRIVATE CORPORATIONS	2 credits	Each semester
	Richard's <i>Cases on Corporations</i> . (MASTERTON)		
237n	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)		

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> . (MOREAU)		
211	WILLS AND ADMINISTRATION†	2 credits	Second semester
	Mechem and Atkinson's <i>Cases on Wills</i> . (MOREAU)		
212	TITLES TO REAL ESTATE*	3 credits	Second semester
	Aigler's <i>Cases on Titles</i> . (MOREAU)		

*Offered in 1929-30 and in alternate years thereafter.

†Omitted in 1929-30.

215	PARTNERSHIP*	3 credits	First semester
	Crane and Magruder's <i>Cases on Partnership</i> . (MASTERSON)		
216	MINING RIGHTS*	2 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. (JACOB)		
221	SALES†	3 credits	First semester
	Woodward's <i>Cases on Sales</i> . (MASTERSON)		
224	MORTGAGES†	2 credits	Second semester
	Campbell's <i>Cases on Mortgages</i> . (JACOB)		
228	WATER RIGHTS†	2 credits	First semester
	Bingham's <i>Cases on Water Rights</i> . (MOREAU)		
234	COMMUNITY PROPERTY†	2 credits	First semester
	Selected material. (MOREAU)		

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
	Spencer's <i>Law and Business</i> , Vols. 1 and 2. (MOREAU)		

MATHEMATICS

Professor TAYLOR, Assistant Professors BENDER, and HARRIS, Mr. BUNCH

Primarily for Undergraduates

1-2	FRESHMAN MATHEMATICS	4 credits	Each semester
	College algebra, trigonometry, and analytic geometry. Required of all freshmen in the School of Mines. Mathematics 1 is required of students in the School of Forestry and in the Pre-Medical Curriculum. (BENDER, BUNCH, HARRIS)		
3	FRESHMAN MATHEMATICS	3 credits	First semester
	Fundamental methods of college algebra, relations among variables. introduction to plane trigonometry. Required of sophomores in the College of Agriculture. (TAYLOR)		
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)		

*Offered in 1929-30 and in alternate years thereafter.

†Omitted in 1929-30.

‡Offered in 1930-31 and in alternate years thereafter.

- 14 MATHEMATICS OF FINANCE 3 credits Second semester
The mathematical principles involved in the problems of compound interest, annuities, bonds, and insurance. Prerequisite: Math. 1. (BENDER, HARRIS)

- *51-52 CALCULUS 4 credits Each semester
The fundamental processes and applications of differential and integral calculus. Prerequisite: Math. 1-2 or 11-12. (TAYLOR, BENDER, HARRIS)

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. 51-52. (TAYLOR)
- 102 MATHEMATICS OF STATISTICS 3 credits Second semester
The mathematical principles underlying the modern theory of statistics. Prerequisite: Math 51. (BENDER)
- 104 GENERAL ASTRONOMY 3 credit Second semester
An introduction to descriptive and mathematical astronomy. Prerequisite: Math. 51. (———)
- 111 HIGHER ALGEBRA 3 credits First semester
Determinants, theory of equations, polynomials, and infinite series. Prerequisite: Math. 51-52. (TAYLOR)
- 112 HIGHER GEOMETRY 3 credits Second semester
Modern analytic geometry, higher plane curves, and solid analytic geometry. Prerequisite: Math. 51-52. (TAYLOR)
- 121-122 ADVANCED CALCULUS 3 credits Each semester
Partial differentiation, definite integrals, vector analysis, line and surface integrals, differential equations. Prerequisite: Math. 51-52. (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. 51. (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)

*For students in the College of Letters and Science, and in the School of Education, this course will count as an advanced subject.

- 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. 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.
- 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.
- 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.
- 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.
- 5 MACHINE DRAWING 2 credits First semester
 The making of shop drawings, both details and assemblies. One recitation and three hours in drafting room.
- 13 MECHANISM 3 credits First semester
 Engineering kinematics: 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. Two recitations and three hours in drafting room. Prerequisites: C.E. 1 and C.E. 2.

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 ratings; 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. 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 51-52.
- 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 crs. 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. 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. 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.
- 140 SEMINAR 1 credit Second semester
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 FAHRENWALD, Professor LANEY, Mr. ———

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.

- 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.
- 103 FIRE ASSAYING 3 credits First semester
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. A high standard of accuracy is required. One lecture and one six-hour laboratory period. Prerequisite: Chem. 3-4.
- 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.
- 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.
- 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.
- 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.)
- 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.
- 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.

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.

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 men and women students, both of which compete with similar teams of other institutions.

BASIC COURSE

Required: three hours a week of all able-bodied male students in the freshman and sophomore classes, and of those who are special students; one hour a week additional in the department of physical education.

- 1-2 FIRST YEAR 1½ credits Each semester
 (a) Theoretical: 45 hours (b) Practical: 63 hours
 Military courtesy. Drill and command. Physical training supplemental. Infantry drill regulations. Rifle marksmanship. Military hygiene and first aid. Military history. National Defense Act. Scouting and patrolling.
- 3-4 SECOND YEAR 1½ credits Each semester
 (a) Theoretical: 45 hours (b) Practical: 63 hours
 Same subjects as in 1-2 (continued). Musketry. 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
 Drill and command. Infantry weapons. Military sketching. Machine gun. Combat principles. 37mm. gun and three-inch trench mortar.
- 107-108 FOURTH YEAR 3 credits Each semester
 (a) Theoretical: 70 hours (b) Practical: 90 hours
 Drill and command. Administration. Military history. Tactics. Infantry weapons. Military law and R.O.T.C regulations. Rules of land warfare. Field engineering. Combat principles.

MINING

Professor HOWARD, Mr. ———

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. Planned for freshmen in the School of Mines and for other persons who desire a general acquaintance with our important mineral resources and their utilization.

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.
- 103-104 MINE PLANT DESIGN 3 credits Each semester
 The student designs a plant and machinery for a hypothetical mine. Prerequisite: C.E. 6.

- 105 MINING ECONOMICS 2 credits First semester
 Mine sampling, 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.
- 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.
- 108 MINE RESCUE AND FIRST AID 1 credit Second semester
 This course is given in co-operation 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.
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.

MODERN LANGUAGES

Professors ELDRIDGE and SARGENT, Associate Professors TROMANHAUSER and HOWE, Assistant Professor ASHBY, Mrs. HAMMAR, Miss RENTFRO, Mr. VÁZQUEZ, Mrs. LATTIG, Miss MITCHELL

FRENCH

Students who present two years of high-school French for admission will continue in French 13-14. 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, without credit for one semester. Elementary French and Elementary Spanish may not be taken the same year. No credit is given for French 1 until French 2 is completed.

Primarily for Undergraduates

- 1n-2 ELEMENTARY FRENCH 4 credits Each semester
 Sections meet four or five times a week, depending on the proficiency of the students. (SARGENT, ASHBY, HAMMAR, RENTFRO, MITCHELL)
- 13-14 INTERMEDIATE FRENCH 4 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, composition, and conversation based on the text. Prerequisite: French 1-2, or two years of high-school French. (ASHBY, RENTFRO, VÁZQUEZ, MITCHELL)
- 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)
- 21-22 ADVANCED SOPHOMORE FRENCH 2 credits Each semester
 Prerequisite: French 13-14. (———)

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. Prerequisite: French 13-14. (HAMMAR)
- 115-116 ADVANCED SCIENTIFIC FRENCH 1 to 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. Conducted, so far as possible, in French. Open to students who have had French 13-14. (SARGENT)
- 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. Prerequisite: French 13-14. (HOWE)
- 141-142 THE SEVENTEENTH CENTURY 3 credits Each semester
 After a preliminary study of the period, most of the masterpieces of Corneille, Molière, and Racine are read. Prerequisite: French 13-14. (ELDRIDGE)
- 145-146 CONTEMPORARY LITERATURE 3 credits Each semester
 An intensive reading course with accompanying lectures on recent French literary productions. Readings will be in French for those pursuing the French curriculum; in English translations for others. Prerequisite: senior college standing. (VÁZQUEZ)
- 161-162 DIRECTED READING 2 to 3 credits Each semester

192 METHODS IN TEACHING FRENCH 2 credits Second semester
Thoro drill in phonetics and pronunciation. Consideration of methods of teaching and examination of texts and courses of study. Practice teaching and observation. Prerequisites: French 13-14, and at least one course in literature. (SARGENT)

READINGS IN EUROPEAN LITERATURE 3 credits Each semester
See English 171-172.

HISTORY OF FRENCH CIVILIZATION 2 credits Each semester
See History 141-142.

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 crs. 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 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. Advanced and graduate courses are given according to the needs of students.

Primarily for Undergraduates

1n-2 ELEMENTARY GERMAN 4 credits Each semester
(ELDRIDGE, TROMANHAUSER, HAMMAR)

13-14 INTERMEDIATE GERMAN 4 credits Each semester
The primary aim of this course is to give the student an accurate and fluent reading knowledge of modern German, but grammar review, composition, and conversation are included so far as time permits. Prerequisite: German 2, or two years of high-school German. (TROMANHAUSER)

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)

For Advanced Undergraduates and Graduates

- 111-112 ADVANCED COMPOSITION AND CONVERSATION 2 crs. Each semester
Prerequisite: German 13-14.
- 115-116 ADVANCED SCIENTIFIC GERMAN 1 to 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*. Prerequisite: German 13-14. (ELDRIDGE)
- 135-136 THE NINETEENTH CENTURY 3 credits Each semester
(ASHBY)
- 141-142 SCHILLER 3 credits Each semester
Schiller's life. Selected lyrics and ballads. *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Die Braut von Messina*, and the *Wallenstein* complete. Prerequisite: German 13-14. (ASHBY)
- 143-144 GOETHE 3 credits Each semester
Study of Goethe's life and development, in connection with his lyric poems. *Götz von Berlichingen*, *Egmont*, *Tasso*, *Faust*, *Iphigenie*. Prerequisite: One advanced year-course in German. (ELDRIDGE)
- 161-162 DIRECTED READING 2 to 3 credits Each semester
(———)
- READINGS IN EUROPEAN LITERATURE 3 credits Each semester
See English 171-172.
- HISTORY OF GERMAN CIVILIZATION 2 credits Each semester
See History 151-152.

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 *Parsival*. (ELDRIDGE)
- 271-272 RESEARCH 2 to 4 credits Each semester

SPANISH

Students who present two years of high-school Spanish for admission will continue in Spanish 13-14. 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.

Primarily for Undergraduates

- 1n-2 ELEMENTARY SPANISH 4 credits Each semester
Sections meet four or five times a week depending on the proficiency of the students. (TROMANHAUSER, HOWE, LATTIG)
- 13-14 INTERMEDIATE SPANISH 4 credits Each semester
Reading of modern authors, composition and conversation, review of grammar, and a study of idioms. The aim of this course is to give the student a reading knowledge of modern Spanish. (HOWE, VÁZQUEZ)
- 21-22 ADVANCED SOPHOMORE SPANISH 2 credits Each semester
Prerequisite: Spanish 13-14.

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. Prerequisite: Spanish 13-14. (VÁZQUEZ)
- 121-122 SURVEY OF SPANISH LITERATURE 3 credits Each semester
Lectures, reading of selected texts, reports. Conducted, so far as possible, in Spanish. Prerequisite: Spanish 13-14. (HOWE)
- 135-136 THE NINETEENTH CENTURY 3 credits Each semester
(TROMANHAUSER)
- 141-142 THE GOLDEN AGE 3 credits Each semester
A study of the development of the Spanish drama until the death of Calderon; the great types of the Spanish novel; the mystics; the rise and decadence of poetic taste in the sixteenth and seventeenth centuries. (VÁZQUEZ)
- 147-148 CONTEMPORARY LITERATURE 3 credits Each semester
Readings and discussions of contemporary writers, including those of Spanish America. Prerequisite: Spanish 13-14. (SARGENT)
- 161-162 DIRECTED READING 2 to 3 credits Each semester
- 192 METHODS IN TEACHING SPANISH 2 credits Second semester
Thoro drill in pronunciation and grammar. Consideration of methods of teaching, examination of texts, and courses of study. Practice teaching and observation. Prerequisites: Spanish 13-14, and at least one course in literature. (SARGENT)
- READINGS IN EUROPEAN LITERATURE 3 credits Each semester
See English 171-172.
- HISTORY OF SPANISH CIVILIZATION 2 credits Each semester
See History 161-162.

Primarily for Graduates

- 201-202 OLD SPANISH 2 credits Each semester
The elements of historical Spanish grammar, with an intensive 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, GARNETT, and
MUELLER, Miss CRAWFORD, Miss RAMSTEDT, Miss TRELEAVEN

ORGANIZED MUSIC

UNIVERSITY GLEE CLUB AND TREBLE CLEF CLUB.—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. The University Glee Club membership is made up of men and the Treble Clef Club of women. One credit a semester is given for work done with these clubs.

THE UNIVERSITY ORCHESTRA.—Membership in the University 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 University Orchestra. Credit is given for this work.

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.

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. Public School Music students who are candidates for the degree, Bachelor of Science in Music Education.

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 Science in Music Education, 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 teaching 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 page 200.

A two years' course is offered in Organ.

GENERAL MUSIC COURSES

Primarily for Undergraduates

1-2 SIGHT-SINGING AND EAR-TRAINING 2 credits Each semester

A thoro training in elementary theory which enables the student to read melodies at sight; to sing in two-, three-, and four-part harmony. Wedge's textbook on the subject is used. (GARNETT)

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. (GARNETT)

5-6 HARMONY 2 credits Each semester

A review of the underlying materials, with stress put on 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. (GARNETT)

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)

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. (CRAWFORD)

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; 13-14. (MUELLER)

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. (MUELLER)

108 PIANO CLASS METHODS 1 credit Second semester

The student is made familiar with the best piano class methods of instruction. Observation of class instruction in Moscow schools is possible. (GARNETT)

109-110 INSTRUMENTAL AND VOCAL COMPOSITION 2 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. (MUELLER)

111-112 INSTRUMENTATION AND ORCHESTRATION 2 crs. Each semester

A general treatment of orchestral instruments as to range, relations of one to another, tone qualities, etc. Arranging music for school or-

chestras, transposition, and arranging from piano score. Prerequisite: Mus. 103-104. (MUELLER)

- 113 CHURCH MUSIC 2 credits First 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. (MUELLER)
- 117-118 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, MUELLER)
- 119-120 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)
- 161-162 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)
- 163-164 VOCAL ENSEMBLE 1 credit Each semester
Continuation of 161-162. More advanced work for students who have completed the first year. (KRATT)
- 165-166 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)
- 167-168 INSTRUMENTAL ENSEMBLE 1 credit Each semester
Continuation of 165-166. More advanced work for students who have completed the first year. (CLAUS)
- 171 ELEMENTARY SCHOOL MUSIC 4 credits First 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. (GARNETT)
- 172 PRACTICE TEACHING AND SUPERVISION 3 credits Second semester
Observation and practice teaching in the public schools in Moscow. The problems of the supervisor; teachers' meetings; programs for spe-

cial occasions; the functioning of school music in the community. (GARNETT)

- 177-178 HIGH-SCHOOL MUSIC 3 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. A thoro study is made of the principles of conducting and training choral and instrumental organizations. Prerequisite: Mus. 171. (GARNETT)

PIANO

Assistant Professors CLARK and MUELLER, Miss CRAWFORD, Miss RAMSTEDT

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.
- 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.

For Advanced Undergraduates and Graduates

- 125-126 PIANO PLAYING 3 or 5 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 3 or 5 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, Miss TRELEAVEN

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.

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.

For Advanced Undergraduates and Graduates

135-136 SINGING 3 or 5 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 3 or 5 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 thoro 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.

- 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 concertos by Handel, Vitali, Mozart, and others. Solo numbers by classical and modern composers.

For Advanced Undergraduates and Graduates

- 145-146 VIOLIN PLAYING 3 or 5 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 3 or 5 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 MUELLER

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.

- 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*.

ORCHESTRAL AND BAND INSTRUMENTS

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. 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.

On withdrawal from the University, refunds for private instruction will be made in accordance with the schedule printed on page 20.

All students will be required to do their practicing in the regular practice rooms of Music Hall, Music Hall Annex, Bartley Cottage, and Center Cottage, unless special permission is given to practice elsewhere.

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 RENTAL (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

NATURAL SCIENCE

Professor ANGELL

2 CORRELATED SCIENCE 2 credits Second semester

An orientation course in the natural sciences designed as a means of integrating the materials of the various sciences and of showing their relation, each to the other, and to definite problems of modern life. Lectures, readings, reports. (ANGELL)

PHILOSOPHY

Professor CHENOWETH

Primarily for Undergraduates

51 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 is given to the method of Socrates and the systems of Plato and Aristotle. Open to sophomores, juniors, and seniors. (CHENOWETH)

52 HISTORY OF MODERN PHILOSOPHY 3 credits Second semester

A study of the development of thought from Descartes to the present time. Emphasis is placed on the relation of the various movements in philosophy to the formation of modern systems. Prerequisite: Phil. 51. (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. 51. (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. Prerequisite: Phil. 101. (CHENOWETH)

103 LOGIC 3 credits First semester

The laws of thought, studied with a view to their use in the organization of the results of everyday experience and scientific investigation. Special attention is given to the function of logic in the methods of science. Prerequisite: Phil. 51 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 are used as a basis. The aim is to familiarize the student with the various bases on which a philosophy of life may rest. Prerequisite: Phil. 51 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. 51. (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. 51 or equivalent. (CHENOWETH)
- 107 PHILOSOPHY IN LITERATURE 3 credits First semester
The development of philosophy is studied in connection with its expression in literature. Prerequisite: Phil. 51 or equivalent. Given in alternate years; offered in 1930-31. (CHENOWETH)
- 108 PLATO 3 credits Second semester
The *Republic* and *Laws* are read in translation, with special reference to Plato's theory of government. Prerequisite: Phil. 51. Given in alternate years; offered in 1930-31. (CHENOWETH)
- 110 PHILOSOPHY OF SCIENCE 3 credits Second semester
A study of the various philosophic bases which are presupposed in science. Prerequisite: Phil. 51 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 is 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 2 credits Each semester
Problems in research are 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 Credits to be arranged Each semester
(CHENOWETH)

PHYSICAL EDUCATION FOR MEN

Professor CALLAND, Professor HUTCHINSON, Assistant Professor Fox,
Assistant Professor ANDERSON, Mr. JACOBY

The Department of Physical Education and Athletics for Men unites the interests that promote the physical well-being of all the men on the campus. Required freshman and sophomore classes, intercollegiate athletics, intramural athletics, and teachers' training courses are offered.

Physical and medical examinations are required of all students on matriculation. Freshmen who are unable to satisfy departmental requirements as to posture and general health are required to register in restricted physical education classes.

All freshmen and sophomores are required to spend a minimum of one hour a week in some form of physical activity. The class work is designed to supplement the activities of the military department. Provision is made for the study of personal hygiene thru co-operation with the military department.

Students required to have a physical examination, or those registering for freshman and sophomore classes, report at the gymnasium for assignments after their class programs are completed, and before their registration is finished.

A course of study in which the department co-operates with the School of Education offers instruction suitable in preparing students for teaching physical education and coaching in the schools, or supervising public playgrounds. Those desiring to register in this course should advise with the director.

Every man in the university is encouraged to enter the intramural and intercollegiate activities promoted by the department.

REQUIRED COURSES

Primarily for Undergraduates

- | | | |
|--|----------------------|---------------|
| 31-32 FRESHMAN SPORTS | $\frac{1}{2}$ credit | Each semester |
| Required of freshmen. One hour a week. Instruction and participation in floor work and class athletics. Practice is provided in the following activities: team games, including track, basketball, volley ball, and indoor baseball; individual activities, including boxing, wrestling, swimming, and handball. (STAFF) | | |
| 33-34 SOPHOMORE SPORTS | $\frac{1}{2}$ credit | Each semester |
| Required of sophomores. One hour a week. Students are required to elect one of the following activities, a different one each semester: swimming and life saving, boxing, wrestling, tennis, handball, golf, fencing, horseshoes, gymnastics, basketball, track (spring), cross country (fall). (STAFF) | | |

NOTE: Not more than one-half credit per semester and not more than a total of two units can be secured in Courses 31-32 and 33-34.

- 35-36 RESTRICTED PHYSICAL EDUCATION $\frac{1}{2}$ credit Each semester
Special course required of freshmen who are unable to take regular class work. Students are given individual attention for corrective and recreational activities suited to their needs. Substitute for courses 31 and 32. (HUTCHINSON)

ELECTIVE COURSES

Primarily for Undergraduates

- 41-42 FRESHMAN ACTIVITIES 2 credits Each semester
Required of freshman majors. Substitute for courses 31 and 32. One lecture and three practice hours a week. Theory and practice in elementary gymnastic activities, tumbling, group games, swimming, boxing, wrestling, tennis, soccer, and touch football. (ANDERSON)
- 43-44 SOPHOMORE ACTIVITIES 2 credits Each semester
Required of sophomore majors. Substitute for courses 33 and 34. One lecture and three practice hours a week. Theory and practice in advanced gymnastics, light and heavy apparatus, life saving, volleyball, handball, golf, speed ball, and indoor baseball. Prerequisite: P.E. 41-42. (HUTCHINSON)
- 81 FOOTBALL PARTICIPATION 1 credit First semester
For men who wish to receive practical instruction on the field in football from a coach's viewpoint. Not open to freshmen. (CALLAND)
- 82 BASEBALL PARTICIPATION 1 credit Second semester
For men who wish to receive practical instruction on the field in baseball from a coach's viewpoint. Not open to freshmen. (Fox)
- 83 BASKETBALL PARTICIPATION 1 credit First semester
For men who wish to receive practical instruction on the court in basketball from a coach's viewpoint. Not open to freshmen or sophomores. (Fox)
- 84 TRACK PARTICIPATION 1 credit Second semester
For men who wish to receive practical instruction on the field in track from a coach's viewpoint. Not open to freshmen or sophomores. (ANDERSON)

NOTE: Not more than one credit a semester and not more than a total of four units can be secured in courses 81-82, 83-84.

For Advanced Undergraduates and Graduates

- 131-132 JUNIOR METHODS 2 credits Each semester
One hour of lecture and three hours' practice in the methods of instruction in medical gymnastics, gymnastic drills, light and heavy apparatus, and class activities. Sample lessons prepared and taught under supervision of the instructor. Prerequisites: P. E. 41-42 and 43-44. (ANDERSON)

- 141-142 SENIOR METHODS 2 credits Each semester
Two-hour lecture course in the methods of coaching major competitive teams. Details of teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning of athletes. The first semester is devoted to track and basketball; the second semester to football and baseball. Prerequisites: P.E. 81-82, 83-84. (CALLAND, ANDERSON, Fox)
- 184 PLAYGROUND AND COMMUNITY RECREATION 2 credits Second semester
A study of the promotion and organization of recreational activities, the nature and function of play, stages of growth and adaptation of activities, construction, equipment and supervision of playgrounds. (CALLAND)
- 187 HYGIENE AND FIRST AID 2 credits First semester
An intensive study of personal hygiene designed for teachers, and a course in first aid and emergencies, with special emphasis on athletic injuries and their care. Prerequisites: Zool. 103-104 and 106. (HUTCHINSON)
- 196 ORGANIZATION AND ADMINISTRATION 3 credits Second semester
The organization of a staff, of programs, constructing the gymnasium, arrangement and care of equipment, care and administration of courts, tanks, and fields, and general problems of supervision of a physical education department. (CALLAND)

PHYSICAL EDUCATION FOR WOMEN

Assistant Professor WIRT, Mrs. GOFF

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.

Freshmen bringing high-school credit for physical education which has been approved by the Department of Physical Education for Women, and all sophomores, may elect P.E. 3-4, 9-10, 13-14, 55-56, 59-60, or, with special permission from the instructor, P.E. 69-70 or 117-118 to fulfil their requirements in practical work 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 gymnastics, folk dancing, games, and sports techniques, and (b) *Personal Hygiene*: one class discussion a week on problems of personal hygiene. (WIRT, GOFF)

3-4 ADVANCED GYMNASTICS 1 credit Each semester

A continuation of P.E. 1-2. Two hours a week in instruction in gymnastics, games, advanced folk dancing, stunts, and tumbling. (GOFF)

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)

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)

55-56 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)

59-60 WOMEN'S ATHLETICS 1 credit Each semester

Coaching in volley ball, basketball, tennis, and baseball with the regular class practices for candidates for 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. Prerequisite: P.E. 1-2 or equivalent. (WIRT)

For Advanced Undergraduates and Graduates.

102 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)

103 HISTORY OF PHYSICAL EDUCATION 1 credit First semester

A lecture course dealing with the development and history of gymnastics, track and field athletics, sports, and the playground movement. (Not given in 1929-30.)

106 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)

- 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 cr. Each semester
Fall and spring seasons in soccer football, field hockey, stunts, and tumbling. Winter season in clog dancing. Two hours a week. Prerequisites: P.E. 1-2 and 3-4, or equivalent. (WIRT)
- 114 TEACHING OF FOLK DANCING 1 credit Second semester
Methods of teaching folk dances, with knowledge of typical folk dances of different countries. Two hours a week. (WIRT)
- 117-118 ADVANCED SWIMMING 1 or 2 credits Each semester
Continuation of P.E. 13-14 and 55-56, with the addition of the crawl, back racing stroke, the Red Cross life saving test, more difficult stunts, and diving. One credit granted for two hours a week of practical work; one additional credit for assistance in teaching other classes. Prerequisites: P.E. 13-14 and 55-56. (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. (Not given in 1929-30.) (WIRT)
- 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 play-grounds, public schools, high schools, and camps. Two lecture periods and two hours' practice teaching the first semester; one lecture and one hour's practice teaching the second semester. Prerequisite: P. E. 59-60. (WIRT)
- 139-140 METHODS OF GYMNASTIC TEACHING 2 credits Each semester
Methods of teaching gymnastics. Three class periods a week. Prerequisites: P.E. 1-2, 3-4, 9-10. (WIRT)
- 143 PRACTICE TEACHING IN GYMNASTICS 3 credits First semester
Fifty-four hours teaching gymnastics under supervision. Prerequisite: P.E. 140. (WIRT)
- 187b FIRST AID 1 credit First semester
First aid and emergencies, with special emphasis on athletic injuries and their care, qualifying for the Red Cross certificate in first aid. Two hours a week for the closing twelve weeks of the semester. Prerequisites: Zool. 103-104; 106. (HUTCHINSON)
- ORGANIZATION AND ADMINISTRATION 3 credits Second semester
See P.E. 196, Department of Physical Education for Men.

PHYSICS

Professor *ANGELL, Associate Professor DAHM, Assistant Professors LUKE and HAMMAR

Primarily for Undergraduates

- 1 ELEMENTARY PHYSICS 4 credits Either semester
A course for students who have not had high-school physics. Three lectures, one three-hour laboratory period, and one recitation period a week. (LUKE)
- 2 COLLEGE PHYSICS 4 credits Second semester
A more extensive course than Physics 1. Three lectures, one three-hour laboratory period, and one recitation period a week. Prerequisite: Phys. 1, or high-school physics and a placement test. (DAHM, LUKE)
- 3-4 GENERAL PHYSICS 4 credits Each semester
A general course, intended primarily for pre-medical students. Three lectures, one three-hour laboratory period, and one recitation period a week. Prerequisite: Phys. 1, or high-school physics. (DAHM, LUKE)
- 11-12 ENGINEERING PHYSICS 5 credits Each semester
This course must be preceded or accompanied by the calculus. Three lectures and two three-hour laboratory periods a week. Prerequisite: Phys. 1, or high-school physics. (HAMMAR, LUKE)

For Advanced Undergraduates and Graduates

- 101-102 MODERN PHYSICS 4 credits Each semester
A review of the fundamentals of physics, and an introduction to modern theories of atomic structure, radiant energy, and relativity; intended for students who plan to teach high-school physics. Prerequisites: Phys. 2, or 3-4, or 11-12; Math. 1-2. (HAMMAR)
- 104 MUSIC AND SOUND 4 credits Second semester
This course, intended for music students, deals with the physical basis of music and with the analysis of musical sound. Three lectures and one three-hour laboratory period a week. Prerequisite: Phys. 1, or high-school physics. (DAHM)
- 105-106 METEOROLOGY 3 credits Each semester
A broad survey of the physics of the atmosphere. Prerequisite: Phys. 2, or 3-4, or 11-12. (DAHM)
- 109 TEACHING OF PHYSICS 3 credits Either semester
The equipment and management of laboratories; the content and organization of subject matter. A set of class demonstrations is worked out and performed by each student. Prerequisite: Phys. 2, or 3-4, or 11-12. (LUKE)
- 121-122 ANALYTICAL MECHANICS 3 credits Each semester
Statics, kinematics, and dynamics. Prerequisites: Phys. 2, or 3-4, or 11-12; Math. 51. (DAHM)

*Acting executive dean of Southern Branch, 1927-29.

- 131 ELECTRICITY AND MAGNETISM 2 credits First semester
Prerequisites: Phys. 2, or 3-4, or 11-12; Math. 51-52. (HAMMAR)
- 133 ELECTRICAL MEASUREMENTS 2 credits First semester
Intended to accompany Phys. 131. Two three-hour laboratory periods a week. Prerequisites: Phys. 2, or 3-4, or 11-12; Math. 51-52. (DAHME)
- 141 ADVANCED LIGHT 4 credits First semester
Prerequisites: Phys. 2, or 3-4, or 11-12; Math. 51. (HAMMAR)
- 152 ADVANCED HEAT 4 credits Second semester
Prerequisites: Phys. 2, or 3-4, or 11-12; Math. 51-52. (HAMMAR)
- 161-162 PRO-SEMINAR 2 credits Each semester
A study of important topics in advanced physics. Prerequisites: Phys. 121-122; 141; 152.

Primarily for Graduates

- 201-202 RESEARCH 3 to 5 credits Each semester
Investigation of experimental or theoretical nature under supervision of an instructor. Admission to this course is subject to the approval of the Physics Department. (ANGELL, DAHM, HAMMAR)
- 221-222 ADVANCED MECHANICS 4 credits Each semester
A mathematical treatment of the dynamics of rigid bodies, hydrodynamics, and elasticity. Prerequisite: Phys. 121-122. (DAHME)
- 241 KINETIC THEORY 3 credits First semester
A mathematical study of molecules and their motion. Prerequisites: Phys. 121-122; 152. (HAMMAR)
- 261-262 SEMINAR 2 credits Each semester
A study of topics from recent research. Admission to this course is subject to the approval of the Physics Department.

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. Prerequisites: P.P. 101 and Bact. 101. Two laboratory periods weekly. (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. 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. 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

Professor KERR

Primarily for Undergraduates

- 21-22 AMERICAN GOVERNMENT 3 credits Each semester
A consideration of the organization, functions, and present-day problems of the American federal government. This course is a prerequisite to all advanced courses in political science. (KERR)

For Advanced Undergraduates and Graduates

- 123 STATE GOVERNMENT 3 credits First semester
An analysis of American state government. Emphasis upon executive budget, administrative consolidation, relation of the state to federal government. Includes a study of Idaho state government. Prerequisite: Pol. Sc. 21-22. (KERR)
- 124 CITY AND COUNTY GOVERNMENT 3 credits Second semester
A study of the organization, functions, administration, and special problems of the local units of government in the United States. Prerequisite: Pol. Sc. 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. The recent changes in the governmental systems of continental Europe. Prerequisite: Pol. Sc. 21-22. (KERR)
- 126 THEORY OF THE STATE 3 credits Second semester
A study of the leading political theories from the earlier stages of civilization to the present. Emphasis on the modern theories of the state. Prerequisite: Pol. Sc. 21-22. (KERR)
- 132 POLITICAL PARTIES AND PARTY POLITICS 2 credits Second semester
A critical study of the principal problems of politics and political parties. The party machines, the spoils system, nominating methods, conduct of election, participation in politics. Prerequisite: Pol. Sc. 21-22. (KERR)
- 136 THE AMERICAN CONSTITUTION 3 credits Second semester
A study of constitutional powers. Emphasis on powers of Congress, interstate commerce, governmental relation between the United States government and the states. The constitutional limitation for the protection of life, liberty, and property, the police power, taxation, eminent domain. Prerequisite: Pol. Sc. 21-22. (KERR)
- 137 INTERNATIONAL RELATIONS 3 credits First semester
The nature and importance of international relations, nationalism, militarism, diplomatic and administrative agencies of control, development of international organization, the League of Nations. Prerequisite: Pol. Sc. 21-22. (KERR)

POULTRY HUSBANDRY

Professor LAMPMAN, Mr. MOORE

Primarily for Undergraduates

- 1 INTRODUCTORY SURVEY 1 credit First semester
This course is given in conjunction with Animal Husbandry 1. (LAMPMAN, MOORE)

For Advanced Undergraduates and Graduates

- 101 MARKET GRADES AND STANDARDS 2 credits First semester
Factors influencing quality of poultry products; candling and grading eggs; class-inspection and grades of market poultry; marketing agencies. One lecture and one laboratory weekly. (LAMPMAN)
- 102 ADVANCED POULTRY PRODUCTION 3 credits Second semester
An advanced study of problems concerned with flock management and modern practices. Application of experimental data. Particularly adapted for major students of Animal Husbandry and Agricultural Education. Prerequisite: P.H. 1. Two lectures and one recitation weekly. (LAMPMAN)

- 105 ADVANCED BREEDING AND JUDGING 3 credits First semester
Exhibition and utility phases of breeding and judging. Breed and variety characteristics; practice in judging exhibition and utility poultry, and a study of the inheritance of standard-bred and utility qualities. Prerequisite: P.H. 1. Two lectures and one laboratory weekly. (LAMPMAN)
- 108 INCUBATION AND BROODING 3 credits Second semester
Principles involved in modern artificial methods. The embryonic development of the chick during incubation and the nutritional requirements of growing chicks receive special emphasis. Prerequisite: P.H. 1. One lecture and one recitation weekly. Laboratory consists of incubator operation.* (LAMPMAN)
- 121-122 SPECIAL PROBLEMS Credits to be arranged Each semester
(LAMPMAN, MOORE)
Primarily for Graduates
- 201-202 RESEARCH Credits to be arranged Each semester
(LAMPMAN)

PSYCHOLOGY

Professor BARTON, Professor MOSHER

The courses of this department are arranged in three different orders of sequence: for those who contemplate a business or professional career; for those who hope to become teachers; and for those who care to specialize in psychology.

Primarily for Undergraduates

- 1 GENERAL PSYCHOLOGY 4 credits Either semester
Prerequisite to all other courses in psychology. The student will attempt to understand the underlying principles of human nature. The object of such study will be that of knowing how best to control what people think, feel, and do. Three lectures and one laboratory period each week. (BARTON)
- 2 EDUCATIONAL PSYCHOLOGY 3 credits Second semester
Application of results of experimental psychology to teaching; including problems of inherited nature, learning, individual differences; measurement of mental traits. Prerequisite: Psych. 1. (MOSHER)
- 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 employees; evidences; testimony; helps in medical practice. Three lectures and one laboratory period a week. Prerequisite: Psych. 1. (MOSHER)
- 54 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 attention, fixing the im-

pression, provoking the response—and their relation to individual differences in instincts and interests. Prerequisite: Psych. 1. (BARTON)

- 57 **PSYCHOLOGY OF THE EXCEPTIONAL INDIVIDUAL** 3 crs. First semester
A diagnosis of the retarded and gifted humans, with a discussion of their needs and treatment. Prerequisite: Psych. 1. (MOSHER)

For Advanced Undergraduates and Graduates

- 105 **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. Prerequisites: Psych. 1 and 4, or equivalent. (BARTON)
- 106 **INFANT AND CHILD PSYCHOLOGY** 3 credits Second semester
Behavior problems and the psychological care of the young child. Prerequisites: Psych. 1 and 4, or equivalent. (MOSHER)
- 107 **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 co-operation; the respective roles of habit, custom, language, suggestion, imitation, and emotion and their relation to social progress. Prerequisites: Psych. 1 and 4, or equivalent. (BARTON)
- 108 **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. Prerequisites: Psych. 1 and 4, or equivalent. (BARTON)
- 109 **MENTAL TESTING** 3 credits First semester
Individual and group intelligence testing, including a critical study of various tests and practice in their administration; use of test results in classification and treatment of pupils. Prerequisites: Psych. 1 and 4, or equivalent. (MOSHER)
- 112 **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. Prerequisite: Psych. 117 or its equivalent. Two lectures a week. (BARTON)
- 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. Prerequisites: Psych. 1 and 4, or equivalent. (BARTON)

115 PSYCHOLOGY OF EMPLOYMENT AND HANDLING OF EMPLOYEES

3 credits

First semester

Analysis of the psychological factors involved in the interrelated activities of the worker, the management, and the immediate executive. Psychological methods and factors to be considered by the immediate executive, when dealing with employees; methods for developing and training workers; measures of active ability and proficiency; selection and placement. Prerequisites: Psych. 1 and 4, or equivalent. (BARTON)

117 PSYCHOLOGICAL METHODS

3 credits

First semester

A practical course in statistical methods as applied to psychology. The course includes measures of central tendency and dispersion; graphic methods; probability curve; correlations; reliability of statistical measures. Prerequisites: Psych. 1 and 4, or equivalent. (MOSHER)

121-122 ADVANCED PSYCHOLOGY

4 credits

Each semester

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. Selected readings from the original works of leading authors from the time of the rise of associationism to the present time. Critical examination of present tendencies in textbooks. Applications to education, industry, business, research methods, etc. Three lectures and one laboratory period a week. (BARTON)

126 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. Prerequisites: Psych. 1 and 4, or equivalent. (MOSHER)

Primarily for Graduates

210 PSYCHOLOGY OF RELIGIOUS EXPERIENCES

3 crs.

Second semester

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)

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 prob-

lems for discussion and criticism. One meeting each week. (BARTON, MOSHER)

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, MOSHER)

Public Speaking

(See under English)

SOCIAL SCIENCE

Professor CHENOWETH

1-2 CONTEMPORARY CIVILIZATION 3 credits Each semester

An orientation course designed to give to beginning students an introduction to the economic, social, and political principles operative in modern social organization, together with the philosophy underlying them. Thru this course students should understand better the situations by which their future activities will be conditioned, evaluate better the importance of their education, and thus be able better to plan and to appreciate their college course. Required of all students entering the University Junior College, and open to freshmen and sophomores of other divisions. (CHENOWETH AND ASSOCIATES)

SOCIOLOGY

Professor KERR

For Advanced Undergraduates and Graduates

141-142 PRINCIPLES OF SOCIOLOGY 3 credits Each semester

Introduction to the nature and evolution of society. Emphasis on the social forces, laws of association, adjustment, social progress. Problems of poverty, crime, charity, defectiveness. Social institutions; the family, the state, the school, the church. Not open to freshmen or sophomores. Prerequisite: six credits in approved courses in the social sciences. (KERR)

145 RURAL SOCIOLOGY 3 credits First semester

A study of the rural social problems: education, religion, recreation, tenancy, health, the village; rural leadership. Prerequisite: Pol. Sc. 141-142 except by special permission. (KERR)

146 IMMIGRATION 3 credits Second semester

Problems of immigration. Emphasis on the social problems involved in the conflicting economic standards and cultures in the United States. Prerequisite: Pol. Sc. 141-142 except by special permission. (KERR)

Spanish

(See under Modern Languages)

ZOOLOGY

Professor *WODSEDALEK, Associate Professor STOUGH, Assistant Professor WARREN, Miss NORTON, Mr. KEITH, Mr. GOODRICH, Mr. STODDARD, Mrs. ROBOCKER, Miss CLARE

Primarily for Undergraduates

- 1 GENERAL ZOOLOGY 4 credits Either semester
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. (STOUGH, NORTON, GOODRICH, STODDARD, ROBOCKER)
- 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. (STOUGH, KEITH)
- 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, CLARE)
- 53 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. Prerequisites: Zool. 1 and 4 or senior college standing. (WARREN)
- 58 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. Prerequisites: Zool. 1 and 4 or senior college standing. (WARREN)
- 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)
- 68 ORNITHOLOGY 3 credits Second semester
A study of the origin, evolution, structure, habits, adaptations, distribution, classifications, and economic value of birds. Students will be

*Absent, 1928-29, on sabbatical leave.

required to become familiar with the common Idaho birds. Two lectures and one three-hour laboratory or field-work period each week. Prerequisites: Zool. 1 and 4 or senior college standing. (STOUGH)

- 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, 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 and 113. (WARREN)

- 105-106 HUMAN PHYSIOLOGY 3 credits Each 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 thoro 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; Chem. 1-2. (WARREN, ROBOCKER)

- 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. Prerequisites: Zool. 1 and 4. (Zool. 113 is recommended.) (WARREN)

- 109 VERTEBRATE HISTOLOGY AND ORGANOLGY 4 credits First semester
A study of the various tissues, followed by the study of the minute structure of the chief mammalian organs. Two lectures and two three-hour laboratory periods a week. Prerequisites: Zool. 1 and 4. (STOUGH)

- 110 HISTOLOGICAL TECHNIQUE 2 credits Second semester
A laboratory course in the various techniques employed in animal histology, including methods of fixing, sectioning, staining, mounting, etc. Prerequisites: Zool. 1 and 4.
- 111 GENERAL NEUROLOGY 4 credits First semester
The structure, function, development, and evolution of the nervous system. Two lectures and two three-hour laboratory periods a week. Prerequisites: Zool. 1 and 4. (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 and 4. (STOUGH, KEITH)
- 115-116 CYTOLOGY 4 credits Each semester
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. 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, 4, 8, and 113; Chem. 1-2. (Physics 1-2 is recommended) (KEITH)
- 118 PARASITOLOGY 3 credits Second semester
The life histories of parasites, and their effects on the hosts and 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. Prerequisites: Zool. 1 and 4. (WARREN)
- 119-120 THESIS 1 to 3 credits Each semester
(WODSEDALEK, STOUGH, WARREN)
- 151-152 PHOTOGRAPHIC TECHNIQUE 2 credits Each semester
Photography as a scientific implement and aid in scientific and medical research. 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 and Chem. 1-2. (STOUGH)
- 161-162 PRO-SEMINAR 2 credits Each semester
An introduction to the methods of zoological research. Open to advanced undergraduates only.

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. (STOUGH, WARREN)
- 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 a week. (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)
- 261-262 SEMINAR 2 credits Each semester
Reports on advanced literature in the various phases of zoology. Open to graduate students only. (STOUGH, WARREN)

PART V
OFFICERS OF THE
UNIVERSITY

PART V
OFFICE OF THE
COMMISSIONER

STATE BOARD OF EDUCATION
and
Board of Regents of the University of Idaho

STANLY A. EASTON.....*President*.....Kellogg
Term expires April, 1931
ASHER B. WILSON.....*Vice-President*.....Twin Falls
Term expires April, 1932
HUNTINGTON TAYLOR.....*Secretary*.....Coeur d'Alene
Term expires April, 1933
MRS. J. G. H. GRAVELEY.....Boise
Term expires April, 1934
CLENCY ST. CLAIR.....Idaho Falls
Term expires April, 1930
MYRTLE R. DAVIS
Superintendent of Public Instruction.....Boise
ex-officio

Executive Committee for the University of Idaho

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CLENCY ST. CLAIR
HUNTINGTON TAYLOR
ASHER B. WILSON
Commissioner W. D. VINCENT
President FREDERICK J. KELLY

Commissioner of Education

W. D. VINCENT.....Boise

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

FREDERICK JAMES KELLY, PH.D.....*President of the University*
IRVING WILLARD JONES, PH.B.....*Assistant President of the University*
JAY GLOVER ELDRIDGE, PH.D.....*Dean of the University Faculty*
Acting Dean of the College of Letters and Science, Acting
Dean of the Graduate School, and Acting
Director of Pre-Medical Study
PERMEAL JANE FRENCH, M.A.....*Dean of Women*
MARTIN FULLER ANGELL, PH.D.....*Dean of the College of Letters*
and Science and Acting Executive Dean of the Southern Branch
EDWARD JOHN IDDINGS, M.S.....*Dean of the College of Agriculture,*
Director of Agricultural Experiment Station, and Director of
Extension Division
CHARLES WILLIAM HUNGERFORD, PH.D.....*Assistant Dean of the College*
of Agriculture and Vice-Director, Agricultural Experiment
Station

IVAN CHARLES CRAWFORD, C.E.....	<i>Dean of the College of Engineering and Director of the Engineering Experiment Station</i>
ROBERT McNAIR DAVIS, S.J.D.....	<i>Dean of the College of Law</i>
*ERNEST WILLIAM ELLIS, M.S.(MIN.E.).....	<i>Acting Dean of the School of Mines</i>
FRANCIS GARNER MILLER, M.F.....	<i>Dean of the School of Forestry</i>
JAMES FRANKLIN MESSENGER, PH.D.....	<i>Dean of the School of Education</i>
RALPH HUNTER FARMER, A.B.....	<i>Acting 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>
FRANCIS JENKINS.....	<i>Proctor‡</i>
FRANK STANTON, LL.B.....	<i>Bursar</i>
LAFAYETTE RUSSELL PARSONS.....	<i>Comptroller</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>
OREN ARAM FITZGERALD, B.A.....	<i>Director of Publicity and Agricultural Editor</i>
HELEN RUTH KERSEY, A.B.....	<i>Assistant Dean of Women</i>
THEODORE WALLACE TURNER, B.S.(ED.).....	<i>Assistant Proctor§</i>

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.

FREDERICK JAMES KELLY, PH.D., <i>President of the University</i>
A.B., University of Nebraska; Ph.D., Columbia University. 1928.
ALFRED LEONARD ANDERSON, M.S.(GEOL.), <i>Assistant Professor of Geology</i>
B.S.(Chem.E.), M.S.(Geol.), University of Idaho. 1928.
MARTIN FULLER ANGELL, PH.D. <i>Professor of Physics, Dean of the College of Letters and Science, and Acting Executive Dean of the Southern Branch</i>
B.S., M.A., Ph.D., University of Wisconsin. 1913.

*Resigned, Dec. 1, 1923. †On leave, 1928-29. ‡Proctor emeritus, beginning 1929-30. §Proctor, beginning 1929-30.

- CLIFFORD OAKEY 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, Agricultural 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 Physical Training and
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.
- HOBART BERESFORD, B.S.(AGR.ENGR.), *Professor of Agricultural Engineer-
ing and Agricultural Engineer, Agricultural Experiment
Station*
B.S.(Agr.Engr.), Iowa State College. 1924.
- WALTER BENO BOLLEN, PH.D., *Assistant Chemist, Agricultural 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.
- LOUIS CLYDE CADY, M.S., *Assistant Professor of Chemistry*
B.S.(Chem.E.), M.S., University of Idaho. 1922.
- ‡LEO BLAKELEY CALLAND, A.B., *Head of the Department of Physical Edu-
cation and Athletics, and Football Coach*
A.B., University of Southern California. 1929.
- 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.

*On leave, 1929. †On leave, 1928-29. ‡Appointment effective Sept. 1, 1929.

- 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.
- GEOFFREY GAINSBOROUGH COOPE, M.A., *Assistant Professor of English*
B.A., University of British Columbia; M.A., University of California. 1927.
- IVAN CHARLES CRAWFORD, C.E., *Professor of Civil Engineering, Dean of the College of Engineering, and Director of the Engineering Experiment Station*
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*
A.B., A.M., Northwestern University; Ph.D., University of Wisconsin. 1922.
- ROBERT MCNAIR DAVIS, S.J.D., *Professor of Law and Dean of the College of Law*
A.B., Harvard University; J.D., University of Chicago; S.J.D., Harvard University. 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.
- ALFRED DOUGLAS EDGAR, B.S. IN AG., *Assistant Professor of Agricultural Engineering and Assistant Agricultural Engineer, Agricultural Experiment Station*
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.
- PAUL AXLE CLARENCE EKE, PH.D., *Economist, Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.Econ.), Ph.D., University of Wisconsin. 1929.
- JAY GLOVER ELDRIDGE, PH.D., *Professor of German, Head of the Department of Modern Languages, Dean of the University Faculty, Acting Dean of the College of Letters and Science, Acting Dean of the Graduate School, and Acting Director of Pre-Medical Study*
B.A., M.A., Ph.D., Yale University. 1901.
- DOROTHY GRACE ELLIS, M.A., *Associate Professor of Home Economics and State Supervisor 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 and Acting Dean of the School of Mines*
B.S.(Min.E.), M.S.(Min.E.), University of Idaho. 1923.

*Resigned, Dec. 1, 1928.

- †CHARLES ERB, JR., A.B., *Director of Athletics*
A.B., University of California. 1926.
- ARTHUR WILLIAM FAHRENWALD, MET.E., *Professor of Metallurgy*
B.S.(Met.), Met.E., South Dakota School of Mines; Engineer of Mines, New Mexico School of Mines. 1929.
- RALPH HUNTER FARMER, A.B., *Professor of Business Administration and Acting Dean of the School of Business Administration*
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 and Agricultural Editor*
B.A., University of Idaho. 1927.
- RICHARD ANTHONY FOX, B.S.(AGR.), *Acting Director of Physical Education and Athletics*
B.S.(Agr.), 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.
- ELTON MAURICE GILDOW, M.S., D.V.M., *Associate Professor of Veterinary Science and Veterinarian, Agricultural Experiment Station*
B.S., D.V.M., State College of Washington; M.S., University of Wisconsin. 1929.
- ERWIN GRAUE, PH.D., *Assistant Professor of Business Administration and Economics*
B.S., Ph.D., Cornell University. 1928.
- FERDINAND WEAD HAASIS, PH.D., *Associate Professor of Forestry*
B.Sc., Rutgers University; M.F., Yale University; Ph.D., Johns Hopkins University. 1928.
- 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*
A.B., Simpson College; J.D., University of Chicago. 1924.
- WILLIAM LEE HARRIS, M.S., *Assistant Professor of Mathematics*
B.S., Georgetown University; M.S., Iowa State College. 1928.
- †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.

*On leave, 1928-29. †Assignment expires, June, 1929.

‡Resigned, effective Sept. 1, 1929.

- CUTHBERT WRIGHT HICKMAN, M.S.(AGR.), *Professor of Animal Husbandry and Animal Husbandman, Agricultural Experiment Station*
B.S.(Agr.), University of Missouri; M.S.(Agr.), University of Idaho. 1914.
- JOHN WILBUR HOWARD, B.S.(C.E.), *Assistant Professor of Civil Engineering*
B.S.(C.E.), University of Colorado. 1927.
- LOUIS ORRIN HOWARD, M.E., *Acting Professor of Mining and Metallurgy*
A.B., M.E., Harvard University. 1927.
- ARTHUR SYLVESTER HOWE, M.A., *Associate 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*
B.S.(For.), M.S.(For.), University of Montana; Ph.D., University of Wisconsin. 1925.
- HAROLD WATKINS HULBERT, M.S.(AGR.), *Professor of Agronomy and Agronomist, Agricultural 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, Agricultural Experiment Station; Assistant Dean of the College of Agriculture and Vice-Director, Agricultural Experiment Station*
B.S., Upper Iowa University; M.S., Ph.D., University of Wisconsin. 1919.
- RALPH FIELDING HUTCHINSON, *Professor of Physical Education*
Princeton University. 1928.
- EDWARD JOHN IDDINGS, M.S., *Dean of the College of Agriculture, Director of the Agricultural 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.
- J. HUGO JOHNSON, E.E., *Professor of Electrical Engineering*
B.A., E.E., University of Wisconsin. 1918.
- IRVING WILLARD JONES, PH.B., *Assistant President of the University*
Ph.B., University of Wisconsin. 1928.
- GERHARD S. KEMPF, M.F., *Associate Professor of Forestry*
M.F., Harvard University. 1928.
- THOMAS STONER KERR, LL.B., *Professor of Political Science*
A.B., Indiana University; LL.B., University of Michigan. 1924.
- HELEN RUTH KERSEY, A.B., *Assistant Dean of Women*
A.B., DePauw University. 1928.

- 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, Agricultural 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.
- 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.
- 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, Agricultural Experiment Station*
B.S., M.A., University of Nebraska. 1920.
- HARRY PETER MAGNUSON, M.S.(AGR.), *Associate Soil Chemist, Agricultural Experiment Station, and Acting Head, Department of Agricultural Chemistry*
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.
- WILLIAM EDWARD MASTERSON, S.J.D., LL.D., *Associate Professor of Law*
A.B., University of Texas; A.M., LL.B., S.J.D., Harvard University; LL.D., University of London. 1928.
- 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 and Dean of the School of Forestry*
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, Agricultural Experiment Station*
B.S.(Agr.), North Dakota Agricultural College. 1927.
- FREDERICK J. MOREAU, LL.B., *Associate Professor of Law*
Ph.B., LL.B., University of Wisconsin. 1927.

- RAYMOND MYLAR MOSHER, PH.D., *Professor of Educational Psychology*
B.A., M.A., Stanford University; Ph.D., Columbia University. 1928.
- WALTER HENRY MUELLER, B.M., *Assistant Professor of Music*
B.M., Whitman College; Graduate, Leipzig Conservatory of Music. 1928.
- *RAY E. NEIDIG, M.S., *Professor of Agricultural Chemistry and Chemist,
Agricultural Experiment Station*
B.S., M.S., Cornell College; Ph.C., University of Iowa. 1918.
- HARRY IRA NETTLETON, M.S.(FOR.), *Assistant Professor of Forestry*
B.S.F., Oregon State College; M.S.(For.), University of Idaho. 1928.
- JULIUS EDWARD NORDBY, M.S.(AGR.), *Associate Professor of Animal Husbandry and Assistant Animal Husbandman, Agricultural Experiment Station*
B.S.(Agr.), University of Idaho; M.S.(Agr.), University of Illinois. 1916.
- GEORGE HARRISON ORIAN, PH.D., *Associate Professor of English*
A.B., Northwestern 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 Professor of Bacteriology and Assistant Bacteriologist, Agricultural Experiment Station*
B.S., Oregon Agricultural College; M.S., Iowa State College. 1924.
- J. MILFORD RAEDER, M.S., *Associate Plant Pathologist, Agricultural Experiment Station*
B.S.(Agr.), M.S., Iowa State College. 1921.
- JESSE EDWARD RETHERFORD, M.A., *Professor of History*
A.B., Indiana University; M.A., University of Chicago. 1928.
- GODFREY LEONARD ALVIN RUEHLE, M.S.(CHEM.), *Professor of Bacteriology and Bacteriologist, Agricultural 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, Agricultural Experiment Station*
B.S., University of Arkansas; M.S., Michigan State College. 1927.
- †JOHN W. SHEEHY, First Lieutenant Infantry, D.O.L., U. S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, U. S. Military Academy; graduate, Infantry School, Fort Benning, Ga. 1929.
- WESLEY EARL SHULL, M.S., *Assistant Professor of Entomology and Assistant Entomologist, Agricultural Extension Division*
B.S., Iowa State College; M.S., University of Idaho. 1926.
- ROBERT SHIRLEY SNYDER, M.S.(AGR.), *Assistant Professor of Agricultural Chemistry and Associate Chemist, Agricultural Experiment Station*
B.S., Coe College; M.S.(Agr.), University of Idaho. 1919.
- PHILIP HENDRICH SOULEN, M.A., *High School Inspector*
B.A., M.A., Hope College. 1906.

*On leave, 1928-29. †Beginning Sept., 1929.

- HOWARD BROWN STOUGH, PH.D., *Associate Professor of Zoology, and Acting Head of the Department of Zoology*
A.B., Midland College; M.A., Kansas University; Ph.D., Harvard University. 1925.
- MARY BELLE SWEET, B.L.S., *Librarian, and Instructor in Library Science*
B.L.S., University of Illinois. 1905.
- EUGENE TAYLOR, M.A., *Professor of Mathematics*
A.B., M.A., DePauw University. 1920.
- THORNTON GREENWOOD TAYLOR, M.F., *Assistant Professor of Forestry*
M.F., Yale University Forest School. 1927.
- DONALD R. THEOPHILUS, M.S., *Associate Professor of Dairy Manufacture and Assistant Dairy Husbandman, Agricultural Experiment Station*
B.S. in Animal Husbandry; B.S. in Dairy Manufacture; M.S. in Dairy Bacteriology, Iowa State College. 1927.
- 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, Agricultural Experiment Station; Acting Head of the Department of Horticulture*
B.S., M.S., Pennsylvania State College. 1927.
- *CLARENCE CORNELIUS VINCENT, M.S.(AGR.), *Professor of Horticulture and Horticulturist, Agricultural 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 the Department of Chemistry*
B.S., M.S., University of Iowa; Ph.D., University of Goettingen. 1908.
- CLAUDE WAKELAND, M.S., *Professor of Entomology and Entomologist, Agricultural 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.
- WILLARD JOSEPH WILDE, M.S., C.P.A., *Assistant Professor of Business Administration*
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.

*On leave, 1928-29.

INSTRUCTORS AND ASSISTANTS IN INSTRUCTION

- HERMA GENEVA ALBERTSON B.S., *Instructor in Botany*
B.S., University of Idaho. 1927.
- GEORGE CLARENCE ANDERSON, B.S.(AGR.), *Instructor in Dairy Husbandry*
B.S.(Agr.), Kansas State Agricultural College. 1922.
- MARY ELIZABETH NORIE BANKS, M.A., *Teaching Fellow in English*
B.A., M.A., University of Washington. 1928.
- WILLIAM CARR BANKS, M.A., *Instructor in English*
A.B., M.A., 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.
- JOHN ASAHIEL BECKWITH, B.A., *Graduate Fellow in English*
B.A., Gooding College. 1928.
- *PAUL SHEPARD BILLINGTON, A.B., *Assistant in Chemistry*
A.B., University of Oregon. 1927.
- EARLE COMSTOCK BLODGETT, B.S.(AGR.), *Instructor in Horticulture and Assistant Horticulturist, Agricultural Experiment Station*
B.S.(Agr.), University of Idaho. 1929.
- BOYD LYSCUM BRIGHAM, M.S.(ED.), *Supervisor of Practice Teaching in Agriculture*
B.S.(Agr.), M.S.(Ed.), University of Idaho. 1925.
- WILL C. BRYAN, Capt.(M.H.), *Assistant in Physical Education*
1927.
- JESSE EVERETT BUCHANAN, B.S.(C.E.), *Instructor in Civil Engineering and Testing Engineer, Materials Testing 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.
- VIRGIL ARTHUR CHERRINGTON, B.S., *Assistant in Bacteriology, Agricultural Experiment Station*
B.S., Iowa State College. 1928.
- AGNES EUNICE CRAWFORD, M.MUS., *Instructor in Music*
B.Mus., M.Mus., Syracuse University. 1927.
- JOSEPH EARL CRESS, B.S.(E.E.), *Research Fellow in Rural Electrification*
B.S.(E.E.), Kansas State Agricultural College. 1928.
- ALENE HONEYWELL CURTIS, B.A., *Instructor in Dramatics and Public Speaking*
B.A., University of Idaho. 1928.
- ARCHIBALD GILBERT DARWIN, B.S.(C.E.), *Instructor in Civil Engineering*
B.S.(C.E.), University of Idaho. 1927.
- KENNETH FRANKLYNE DEAN, M.S.(ED.), *Graduate Fellow in Education*
B.S.(Ed.), M.S.(Ed.), University of Idaho. 1928.
- ROBERT EUGENE DOLE, B.S.(M.E.), *Instructor in Shop Practice in Mechanical Engineering*
B.S.(M.E.), University of Idaho. 1927.

*Resigned.

- GEORGE ERNEST DRAPER, B.S., *Assistant in Agricultural Chemistry*
B.S., University of Arizona. 1927.
- JASPER VANDERBILT GARLAND, M.A., *Instructor in Public Speaking*
B.A., M.A., University of Indiana. 1928.
- NATHAN BLAINE GILES, M.S., *Supervisor of Practice Teaching in Industrial Education*
B.S., Valparaiso University; B.S., M.S., University of Idaho. 1926.
- FLORENCE RICHARDSON GOFF, B.A., *Instructor in Physical Education*
B.A., University of Idaho. 1923.
- ARTHUR L. GOODRICH, JR., B.S., *Graduate Fellow in Zoology*
B.S., College of Idaho. 1928.
- VIRGINIA LUCILLE GRANT, B.A., *Graduate Fellow in Philosophy*
B.A., University of Idaho. 1928.
- GEORGE WISE GREENE, B.S.(Ed.), *Graduate Fellow in Education*
B.S.(Ed.), University of Idaho. 1928.
- ROLLAND W. HAEGLE, B.S.(Agr.), *Assistant Entomologist, Agricultural Experiment Station*
B.S.(Agr.), Montana State College. 1929.
- 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.), *Instructor in Dairy Manufacture*
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1925.
- RICHARD BROOKS HEFLEBOWER, A.B., *Instructor in Business Administration and Economics and Assistant Economist, Agricultural Experiment Station*
A.B., University of California. 1928.
- LEONARD HELLAND, M.S.(M.E.), *Assistant in Physics*
B.S.(M.E.), M.S.(M.E.), University of Idaho. 1921.
- THOMAS HUGH HITE, B.S., *Graduate Assistant in Geology*
B.S., University of Idaho. 1928.
- CARL WALLACE HOISINGTON, *Instructor in Music*
University of Washington. 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.
- GLEN JOHNSON, B.A., *Graduate Fellow in Philosophy*
B.A., University of Idaho. 1928.
- REUBEN F. JOHNSON, B.S.(Agr.), *Assistant in Feeding Investigations, Agricultural Experiment Station*
B.S.(Agr.), University of Idaho. 1929.
- JOHN RICHARD JONES, B.A., *Graduate Fellow in History*
B.A., University of Idaho. 1928.
- MARK MARIAM KEITH, M.S., *Graduate Fellow in Zoology*
B.S., M.S., University of Idaho. 1927.
- PAUL DANIEL KEMP, B.S.F., *Research Fellow in Forestry*
B.S.F., Pennsylvania State Forest School. 1928.

- VAUGHAN PRATER LATTIG, B.A., *Instructor in Modern Languages*
B.A., University of Idaho. 1926.
- ALONZO WILBUR MARTIN, M.S., *Instructor in Chemistry*
B.S.(Chem.E.), M.S., University of Idaho. 1925.
- CHARLES ARTHUR MICHELS, M.S.(AGR.), *Instructor in Agronomy and Assistant Agronomist, Agricultural Experiment Station*
B.A., North Dakota Agricultural College; M.S., University of Wisconsin; M.S.(Agr.), University of Idaho. 1928.
- JOHN WILLIAM MITCHELL, B.S., *Graduate Fellow in Botany*
B.S., University of Idaho. 1928.
- PAULINE HOWARD MITCHELL, M.A., *Graduate Assistant in Romance Languages*
B.A., M.A., University of Idaho. 1926.
- EDGAR HENRY NEAL, B.S.(AGR.), *Instructor in Agricultural Engineering and Irrigationist, Agricultural Experiment Station*
B.S.(Agr.), University of Idaho. 1926.
- CHARLES MATHEW NICHOLSON, B.S.(BUS.), *Instructor in Business Administration and 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 Assistant in Political Science*
A.B., University of Washington. 1927.
- LUCILLE VICTORIA RAMSTEDT, B.M., *Instructor in Music and Assistant to the Director*
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.
- MABEL WINIFRED RENTFRO, A.M., *Instructor in Languages*
B.A., University of Idaho; A.M., Radcliffe College. 1925.
- MURIEL CARSON ROBOCKER, B.S.(PRE-MED.), *Graduate Fellow in Zoology*
B.S.(Pre-Med.), University of Idaho. 1928.
- DOROTHY RUTLEDGE, R.N., *Lecturer in Nursing*
R.N., Good Samaritan Hospital, Portland. 1928.
- LESTER LORENTZ SCHULDT, B.A., *Instructor in English*
B.A., University of Minnesota. 1927.
- ANDREW GIVEN SHARP, B.S.F., *Research Fellow in Forestry*
B.S.F., Cornell University. 1928.
- W. WAYNE SMITH, M.S.(ED.), *Director of Teacher Training*
A.B., California Christian College; M.S.(Ed.), University of Idaho. 1928.
- OSWALD C. R. STAGEBERG, B.S.(ARCH.), *Instructor in Architecture*
B.S.(Arch.), University of Minnesota. 1926.
- SAMUEL EDMUND STODDARD, B.S.(ED.), *Graduate Fellow in Zoology*
B.S.(Ed.), University of Idaho. 1928.

- GLENN WALLACE SUTTON, M.A., *Instructor in Business Administration and Economics*
B.S., M.A., Indiana University. 1927.
- JESSIE BEATRICE THORNBUR, B.S., *Supervisor of Practice Teaching in Home Economics*
B.S., South Dakota State College. 1923.
- MARION TRELEAVEN, *Instructor in Music*
Graduate, Chicago Musical College; Study in Paris. 1928.
- OTTO TURINSKY, *Assistant in Chemistry*
1929.
- 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.
- MENTOR LEE WILLIAMS, M.A., *Instructor in English*
B.A., M.A., University of Washington. 1928.
- LONIE WOODS, Sgt. U. S. Army, *Assistant in Military Science and Tactics*,
1921.

OFFICERS OF EXTENSION DIVISION

(Agriculture and Home Economics)

- EDWARD JOHN IDDIGS, 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

- JESSIE C. AYERS, 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.
- 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.
- THOMAS B. MURRAY, *Rodent Control Leader* State House, Boise
1928.
- 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.

- JOHN DAVID REMSBERG, JR., M.S.(AGR.), *Field Agronomist and State Seed Commissioner* State House, Boise
 B.S.(Agr.), M.S.(Agr.), University of Idaho. 1924.
- 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, Agricultural Experiment Station; Professor of Entomology* Parma
 B.S.(Agr.), M.S., Colorado Agricultural College. 1920.

County Agents

- I. M. C. ANDERSON, B.S.(AGR.), *County Extension Agent, Caribou County* Soda Springs
 B.S.(Agr.), Oregon Agricultural College. 1927.
- TRUMAN C. ANDERSON, B.S.(AGR.), *County Extension Agent, Lincoln County* Shoshone
 B.S.(Agr.), Washington State College. 1927.
- EZRA TAFT BENSON, M.A., *County Extension Agent, Franklin County* Preston
 B.S., Brigham Young University; M.S., Iowa State College. 1929.
- DELBERT T. BOLINGEROKE, 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 KUHNS, B.S.(AGR.), *County Extension Agent, Minidoka County* Rupert
 B.S.(Agr.), University of Idaho. 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.
- 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

- LEATHA CHRISTENSEN, B.S.(H.EC.), *District Home Demonstration Agent* Idaho Falls
B.S.(H.Ec.), Utah Agricultural College. 1929.
- GENEVIEVE HUNTER, B.S.(H.EC.), *District Home Demonstration Agent* Moscow
B.S.(H.Ec.), Utah Agricultural College. 1929.
- 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.
- SARA SUMSION, B.S.(H.EC.), *District Home Demonstration Agent* Pocatello
B.S.(H.Ec.), University of Idaho. 1929.

NORA YARBOROUGH, B.S.(H.Ec.), *District Home Demonstration Agent*
 Rupert
 B.S.(H.Ec.), University of Idaho. 1929.

Club Agents

JAMES WARREN BARBER, B.S.(AGR.), *District Extension Agent* Pocatello
 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.
 DANIEL EMERSON WARREN, B.S.(AGR.), *District Extension Agent* Rupert
 B.S.(Agr.), University of Idaho. 1929.

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.

LIBRARY ASSISTANTS

AGNES CHRISTINA PETERSON, A.B., *Reference Assistant*
 A.B., University of Washington. 1922.
 MARY LEE HALL, A.B., *Cataloger*
 A.B., University of Washington. 1928.
 MARLYS SHIRK WHITMAN, A. B., *Loan Assistant*
 A.B., University of Idaho. 1928.
 FLORENCE CATHERINE TAYLOR, A.B., *Periodical Assistant*
 A.B., University of Idaho. 1928.
 ELIZABETH TOWSON COALE, A.B., *Reserve Assistant*
 A.B., University of Washington. 1928.

ASSISTANTS IN ADMINISTRATION AND SERVICE

THOMAS R. ASHLEE, *Florist*
 AMALIE BARING, *Cashier*, Office of the Bursar
 SIDNEY C. BATES, *Chief Engineer*
 MARY ELLEN BROOD, *Stenographer*, Agriculture
 ALMA BROWN, *Stenographer*, Office of Graduate Manager
 STANLEY S. BROWN, *Shepherd*
 LYDIA BUE, *Clerk*, Office of the Registrar
 FREDERIC LEO BURKART, *Field Superintendent in Agronomy*
 HELEN CARNEY, *Stenographer*, Poultry Department
 MARJORIE BROWN COOK, B.S., *Clerk*, Placement Bureau
 B.S., University of Idaho.

MARGARET OSTROOT CORNELISON, *Assistant Registrar*
FLORENCE CUNNINGHAM, *Stenographer, Agriculture*
WILLIAM J. FLORENCE, *Beef Cattle Herdsman*
MARGARET MARY FOX, B.A., *Stenographer, School of Forestry*
B.A., University of Idaho.
HARRY FRAZIER, *Head of Foundry, Agricultural Experiment Station*
CHARLES E. GABBY, *Dairy Herdsman*
LAVINIA A. GROSS, *Stenographer, Agriculture*
GEORGE C. HALLAM, *University Carpenter*
JOHN HANSEN, *Gardener*
RHODA HOBSON, *Head of General Stenographic Office*
AUDELLA JOHNSON, *Stenographer, Agriculture*
RALPH KENNEDY, *Electrician*
ETHEL SOFIE LARSON, *Secretary to the President*
MARGARET MABERLY, *Stenographer, Agriculture*
EMALINE HEATH MAYS, *Secretary to the Comptroller*
EDITH M. NANCOLAS, *Secretary to Home Demonstration Leader*
JUNE E. NICHOLSON, *Stenographer, Publication Office*
ELLEN PAULINE OSTROOT, B.A., *Assistant Accountant, Office of the Bursar*
B.A., University of Idaho.
FLOYD LYMAN PACKER, *Accountant, Office of the Bursar*
HENRIETTE PAROZ, *Clerk, Office of the Registrar*
EDNA PETERSON, R.N., *Head Nurse, Infirmary*
R.N., St. Joseph's Hospital, Vancouver, Wash.
HOWARD PFANDER, *Swine Herdsman*
MAGDALEN HENDERSON PIERCY, *House Mother, Ridenbaugh Hall*
CLEMENT LEE PRICE, *Forest Nurseryman*
GRACE B. RAEDER, *Executive Secretary to the Dean of Agriculture*
FEROL ANNA RICHARDSON, B.A., *Clerk, Office of the Registrar*
B.A., University of Idaho.
*VIOLA RICHARDSON, *House Mother, Forney Hall*
ELMER ROTH, *Assistant Engineer*
FLORENCE R. SAMPSON, *Clerk, Office of the Bursar*
ALEXANDER TURNER SCHENCK, *Superintendent of Construction*
LENA SHOUP, *House Mother, Hays Hall*
FRED SKOG, *Head Janitor*
BERTHA E. SPARKS, B.A., *Assistant Editor*
B.A., University of Iowa.
MINERVA KATHRYN TERTELING, B.A., *Clerk, Office of the Registrar*
B.A., University of Idaho.
LUCIE THROCKMORTON, *Secretary, County Agent Leader*
GEORGE TOMER, *Foreman of University Farm*
INEZ I. TRACY, *Stenographer, School of Mines*
GEORGE VAN, *Foreman, Poultry Farm*
PEARLE WATTS, *House Mother, Lindley Hall*

*Resigned.

RESEARCH STAFF

Idaho Bureau of Mines and Geology

ARTHUR WILLIAM 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 LEONARD ANDERSON, M.S.(GEOL.), *Geologist*

B.S.(Chem.E.), M.S.(Geol.), University of Idaho. 1926.

RAYNARD VICTOR LUNDQUIST, B.S.(CHEM.E.), *Analyst*

B.S.(Chem.E.), University of Idaho. 1928.

WILLIAM WESLEY STALEY, B.S.(MIN.E.), *Fellow in Metallurgy*

B.S.(Min.E.), New Mexico School of Mines. 1928.

EDWARD CALVIN MIELAR, B.S.(MET.), *Fellow in Metallurgy*

B.S.(Met.), University of Missouri. 1928.

STANDING COMMITTEES OF THE FACULTY

Academic Council:

President Kelly, Chairman; Dean Eldridge, Vice-Chairman; Deans Crawford, Davis, Farmer, French, Iddings, Messenger, and F. G. Miller; Professors Jensen, Kostalek, Kratt, Laney, McCoy, and Eugene Taylor; Mr. Jones, Mr. Parsons, Colonel Chrisman, Miss Olesen.

Graduate Council:

Dean Eldridge, Chairman; Deans Hungerford and Messenger; Professors Hubert, J. H. Johnson, and G. M. Miller; 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, Sargent, and Eugene Taylor; Miss Olesen.

Athletics:

Dean Angell, Chairman; Dean Crawford, Acting Chairman; Professors Axtell, Erb, Hulbert, Hutchinson, Fox, and Moreau.

Auditorium:

Professor Cushman, Chairman; Professors Garland and Kratt.

Calendar:

Professor Church, Chairman; Dean French, Professor Snyder, Mr. Horton.

*Resigned.

Dining Halls:

Mr. Parsons, Chairman; Dean French, Mr. Turner.

Discipline:

Professor Kostalek, Chairman; Dean Davis; Professors Dahm, Hickman, and Kerr. Student members: Burton Ellis, George Huber.

Exhibits:

Professor Laney, Chairman; Professors Hickman, Jensen, Prichard, and Snyder.

Grounds and Buildings:

Mr. Parsons, Chairman; Dean Miller; Professors Beresford, Stageberg, Verner, and von Ende.

Health and Housing:

Professor Barton, Chairman; Dean French; Professors Ruehle, Stough, and Wirt; Captain Bryan; Drs. Armstrong and Einhouse; Miss Peterson.

Library:

Miss Sweet, Chairman; Dean Davis; Professors Church, Howe, Laney, and Nordby.

Loan Funds:

Mr. Stanton, Chairman; Mr. Parsons, Professor Tromanhauser.

Publications:

Professor Mason, Chairman; Dean Farmer; Professors Axtell, Barton, and McDole; Mr. Fitzgerald, Miss Olesen.

Public Events:

Mr. Jones, Chairman; Deans Farmer and Messenger; Professors Jensen, Kratt, and G. M. Miller; Major Fuller.

Registration and Schedule:

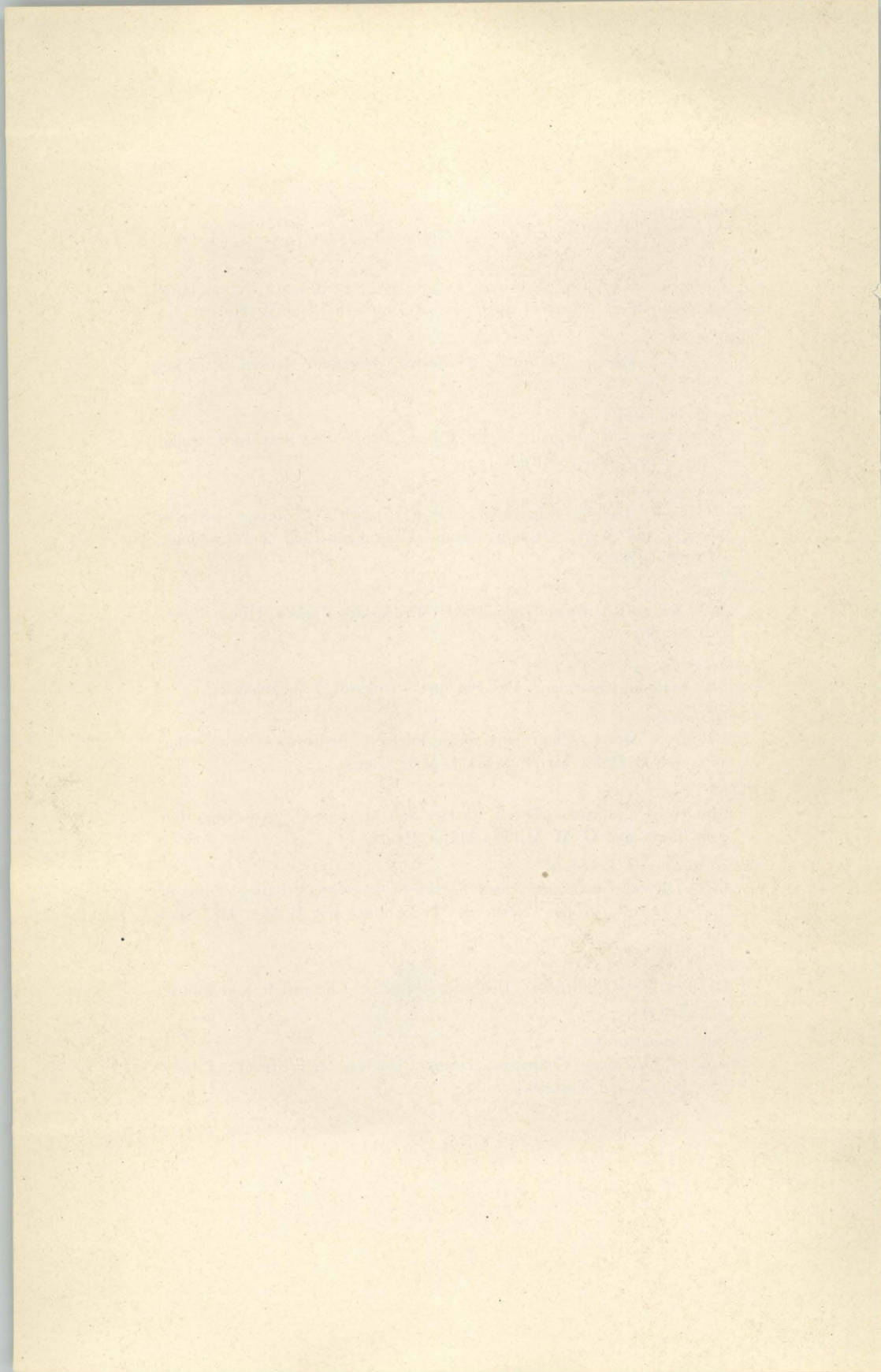
Miss Olesen, Chairman; Dean Eldridge; Professors Bailey, DuSault, Jacob, Laney, Mosher, Nettleton, Theophilus, and Wilde; Mr. Stanton.

Religious Interests:

Dean Miller, Chairman; Professors Burke, Chenoweth and Gauss; Mr. Turner.

Student Organizations:

Colonel Chrisman, Chairman; Deans Crawford and French; Professors Barton and Kostalek.



THE ALUMNI ASSOCIATION

WITHIN

DEGREES CONFERRED IN JUNE 1904

CONFERRING OFFICERS
President, H. H. H. H.
Secretary, H. H. H. H.
Treasurer, H. H. H. H.
Faculty, H. H. H. H.
College of Letters and Science

PART VI

ALUMNI ORGANIZATION

DEGREES CONFERRED

HONOR LIST

THE ALUMNI ASSOCIATION

OFFICERS

President.....Earl David, '04, Moscow
First Vice-President.....B. W. Oppenheim, '04, Boise
Second Vice-President.....John McMurray, '27, Oakley
Third Vice-President.....Mrs. Nellie Ireton Mills, '03, Garden Valley
Secretary-Treasurer.....Donald D. DuSault, '23, Moscow

DEGREES CONFERRED IN JUNE, 1928

Commencement Address

ERNEST H. LINDLEY, PH.D., LL.D.
Chancellor, University of Kansas

BACCALAUREATE DEGREES

College of Letters and Science

BACHELOR OF ARTS

Lucille Elizabeth Anderson	Clarence Emmett Jenks
Jeanette Bertine Arntzen	Farnsworth Leroy Jennings
Emma Eleanor Beamer	Glen Johnson
Agnes Bowen	Laree Johnson
Stella Josephine Brossard	John Richard Jones
Beulah Elouise Brown	Florence Alma Joslin
Pauline Hester Brown	Weldon Kalinowski
Delilah Margaret Budrow	Clair John Killoran
Helen Verna Campbell	Cecile Marguerite Lee
Frank Wardin Click	Edith Gertrude Lennox
Elsie Jean Collette	Frank Anthony Leute, Jr.
David Warren Cook	Helen Laura McConnel
Phillip Wendell Cox	Helen Elizabeth Milliken
Capitola Brown Davidson	Warren James Montgomery
Margaret Wilson Dickinson	Eleanor Rowena Peterson
Marjorie Drager	Elva Reid
Constance Elizabeth Elder	Ferol Anna Richardson
Mary Frances Fisher	Susie May Ridge
Juanita Fitschen	Myrtle Angeline Rindy
Margaret Mary Fox	Alice Lyle Ross
LeRoy Esten Freeman	Erma Marilyn Scholtz
Virginia Lucille Grant	Irving Remsburg Selby
John Brindley Hamilton	Marlys Arlene Shirk
Alice Haroldsen	Agnes Louise Simmons
Alene Honeywell	Mary Corbin Slotten
Glenn James Jacoby	Beryl-Thelma Smith

Erma Sorensen	Helen Grant Wheeler
Florence Catherine Taylor	Herbert John Wunderlich
Carl Alfred Weholt	Thomas Herman Young

BACHELOR OF SCIENCE

Avis Bowdish	Troy Moore
Wilbur Hahn Frederic	Mary Mabel Morris
Janet Adena Hawkins	Louis Serrano Pizarro
Wilfred V. Johnson	Ruth Elizabeth Remsberg
Armand Hilmer Lundquist	William Dixie Riddle
John William Mitchell	Annie Stephen Sokolnikoff
Harry Fox Southworth	

BACHELOR OF SCIENCE IN PRE-MEDICAL STUDIES

Ray Edward Currie	John Wesley Davis
Elizabeth Curtis	Raymond Anthony Tacke
Cornelius Clinton Wendle	

BACHELOR OF SCIENCE IN HOME ECONOMICS

Virginia Lee Ady	Helen Hammo Hunter
Gertrude Angeline Ames	Helen May Jensen
Nellie Frances Burrall	Alice Gladys Melgard
Meroe Esther Cornelison	Cleo Ferrol Miller
Edith D. Elliott	Mary Elizabeth Oliver
Gayle Iva Gillette	Gladys Hilma Oller
Dorothy Howerton	Beryl Rodgers
Ethel Algera Yarborough	

BACHELOR OF MUSIC

Clara Eleanor Kail	Florence Axeline Oberg
--------------------	------------------------

BACHELOR OF ARCHITECTURE

William Donald Aungst

BACHELOR OF SCIENCE IN PRE-NURSING STUDIES

Harriett Fredericka Hinze	Margaret Alice McConnell
---------------------------	--------------------------

College of Agriculture

BACHELOR OF SCIENCE IN AGRICULTURE

Edwin Wright Ames	Edgar Henry Neal
Arthur Theodore Bartel	Lester James Nelson
Alma Earl Duke	Crawford Wilson Nibler
Gerald Milton Gehrke	Stanley Lewis Smith
Irvin Charles Haut	Judson Albert Thompson
Eugene Winfield Whitman	

College of Engineering

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Gustaf Emmanuel Bjork	Franklin Curtiss Craig
	Lansing Su

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Stephen Walter Blore	Chester Lee Justus
James Todd Brewrink	Charley Walter Miller
Lorin Weston Curtis	Rayson Pasco Morris
Robert George Elliott	William Dill Reeves
Doyle Edson Hayward	Truman Leonard Styner

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Eugene Harold Beebe	Ralph Dyer Hamilton
---------------------	---------------------

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Leland Leon Chapman	Clarence Raymond Holmes
	Junius Larsen

College of Law

BACHELOR OF LAWS

Eugene Hughes Anderson	Guy Oscar Penwell
Dwight Rockwell Disney	Lawrence Lincoln Earl Shropshire
George Maxwell Paulson	Elbert Andrew Stellmon
	Milton Edward Zener

School of Mines

BACHELOR OF SCIENCE IN MINING ENGINEERING

Frederick Dewet Bradbury	Adrian Kenneth Lindsay
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BACHELOR OF SCIENCE IN METALLURGY

William Henry Bitner	Theodore Allison Rice
	Charles Edward Small

BACHELOR OF SCIENCE IN GEOLOGY

Harold Lewis Hayward

School of Forestry

BACHELOR OF SCIENCE IN FORESTRY

John Bernal Biker	Charles Edward Fox
Allan Roscoe Cochran	Charles Arthur Gregory
Charles Arthur Connaughton	Alden Bruce Hatch
Robert Davis	Henry Christian Hoffman
Francis Gordon Ellis	Class of 1927

William Wilson Mitchell
Percy Burton Rowe

Wallace Marion Saling
Liter Estill Spence

School of Education

BACHELOR OF SCIENCE IN EDUCATION

James Kenneth Allen	Mary Josephine Wicks Kinnison
Bernice Thordis Bjornson	Quimby James Lefevre
Hal Dale Bowen	Emily Marguerite Lowe
McDonald Ross Brown	Ina McMurray
Class of 1927	Clarence James Meakin
Carrell Neva Carter	Edna Henrietta Minden
Mildred Evans Chadburn	Velma Eloise Morgan
Edwin Cecil Cheuvront	Carl Harold Murray
Ruth Christen	Arlie Leon Parkins
Ruth Minnie Combes	Class of 1927
Lorenz Merton Dawald	Katherine Pence
Kenneth Franklyn Dean	Harriett Wildenthaler Perkins
Frank Edward Devery	LaVerna Pond
Frances Lucile Eaton	Truman Lynex Poolton
James Calvin Emerson	Edna Elsie Rach
Ralph Erickson	Harry Daniel Reget
Ernest Leroy Fisher	Harry Charles Rubie
Lola Gamble	Barbara Jane Rugg
Leonard Martenis Gardner	Lois Elwood Russell
Edith Rebecca Giles	Elsie Christina Schmid
Nimrod Good	Violet Elaine Schroeder
Jennie Alice Green	Harry Rollin Schuttler
George Wise Greene	Dorothy Madieu Sims
Ada Mary Gregory	Samuel Edmund Stoddard
Gladys Fae Gregory	Mary Catherine Terhune
May Florence Hansen	David Williams Thomas
Bernadine Edna Hasfurther	Josephine Throckmorton
John Logan Hill	Margaret Leah Timm
Virginia Lee Hulburd	James Voorhees Ware
Edith Rosina Huston	Leon Lester Weeks
Norman Edwin Johnson	Mildred Lois Williams
Charles Richard Jungstrum	Taylor Scott Williamson
	George Croshaw Young

School of Business Administration

BACHELOR OF SCIENCE IN BUSINESS

Clive Linden Adams	Edmund Glenn Blackburn
Raymond Earl Ashcraft	Rex Charles Brainard
Inez Azcuenaga	Donald Louis Cleaver
Frank Raymond Baldwin	Clifford Albert Coons

Alton Beddall Cornelison	Anna Fananda Mortenson
Victor Melvin Craig	Lulu Clare Payne
Marian Ellen Dick	Mildred Eleanor Perry
Forrest William Durbin	Elizabeth Poulton
Willard Fisher Ellsworth	Emma J. Poulton
Edward Walter Equals	Allen Swan Ramstedt
Hugh McCabe Feltis	Gladys Belle Robbins
George Lester Gould	George Andrew Ross
Clarence James Griffith, Jr.	William Horland Simmons
Eugene Kirk	Clara Bernice Simon
Edith Marie Larson	Glenn Wilson Smith
Leroy Ernest Long	Louis Albin Soderberg
Norman Daniel Luvaas	John Frederick Todsén Stamm
Edward Bartholomew McMonigle	Floyd Taylor
Beardslee Bliss Merrill	Dorothy Aileen Virts
George Lee Yost	

ADVANCED DEGREES

MASTER OF ARTS

Helen Sanford Hawkes, B.A.	Bertha Noel, B.S.(Ed.)
Ruth Hawkins, B.A.	Warren Aldrich Roberts, B.A.
Ruby Tuttle Messenger, B.A.	James Wyle Sessions, B.S.
Pauline Howard Mitchell, BA.	Marie Emma Sturrow

MASTER OF SCIENCE

Ivan Axel Anderson, B.S.(Agr.)	Mark Mariam Keith, B.S.
Frances Margaret Floed, B.S.	Mary D. Largent, B.A.
Glenn George Havens, B.S.	Alonzo Wilbur Martin, B.S.(Chem.E.)
Loren Eliot Messenger, B.S.(Ed.)	

MASTER OF SCIENCE IN AGRICULTURE

James Warren Barber, B.S.(Agr.)	Cuthbert Wright Hickman, B.S.(Agr.)
Wayne Melville Bever, B.S.(Agr.)	Charles Arthur Michels, B.S., M.S.
Vernon Tabor Patch, B.S.(Agr.)	

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Leonard Helland, B.S.(M.E.)

MASTER OF SCIENCE IN METALLURGY

Walter Frederick Meckel, B.S.(Min.)
Stephen Warren Stockdale, B.S.(Min.E.)

MASTER OF SCIENCE IN GEOLOGY

Stewart Harvey Udell, B.S.

MASTER OF SCIENCE IN FORESTRY

Bernard Andrew Anderson, B.S.(For.)
Henry Christian Hoffman, B.S.(For.) Harry Ira Nettleton, B.S.F.

MASTER OF SCIENCE IN EDUCATION

Harold Wilson Adams, B.Ph.	Vivion Hadley Kimbrough, B.S.(Ed.)
Endoras Clifford Berry, B.A.	Melissa Maude Minger, B.S.(Ed.)
Boyd Lyscum Brigham, B.S.(Agr.)	Clara Otness, B.S.(Ed.)
Alfred Bertrand Cromwell, A.B.	Clarabelle Severance, B.S.(Ed.)
Agnes Clara Eckermann, B.S.(Ed.)	Eunice Winn Smith, A.B.
Elmer Robert Hagman, B.S.(Ed.)	Walter Wayne Smith, B.A.
Elza Alvin Heitmeyer, B.A.	Ulmer Neal Terry, A.B.,
Arthur James Yeomans, B.A.	

MASTER OF SCIENCE IN BUSINESS

Edward Walter Equals, B.S.(Bus.)

COMMISSIONS AND CERTIFICATES

COMMISSIONED AS SECOND LIEUTENANTS

Officers' Reserve Corps, United States Army

Clive Linden Adams	Phillip Wendell Cox	Norman Daniel Luvaas
Leonard Ausman Beall	Charles Arthur Gregory	Clarence Joseph McCall
Eugene Harold Beebe	Chester Lee Justus	Leon Miller
Thomas Greenleaf Boardman	Jack Howard Levander	Emerson W. Platt
Frederick Dewet Bradbury	(Certificate of Eligibility)	John Frederick Stamm
David Warren Cook		Rei Emerson Townsend

TO BE COMMISSIONED AS SECOND LIEUTENANTS,

Officers' Reserve Corps, United States Army, July 26, 1928, Upon Completion of Camp Training

Charles Christian Diehl	Hartley Palmer Kester	Carl Augustine Nelson
John Logan Hill	Carl Harold Murray	Golden Dewey Ryan
Ervil William Johnson		Richard Sheridan Thomas

Completed R. O. T. C. course at the University voluntarily, without government allowances and eligible for commissions upon completion of camp training or examination by a board of officers

Alden Bruce Hatch	William Vaughn Iorns	Lawrence Layne Peck
-------------------	----------------------	---------------------

The following (additional) members of the graduating class have previously received commissions in the Officers' Reserve Corps, United States Army

John Cecil Baird	Frank Warden Click	Guy Oscar Penwell
James L. Brewrink	Franklin Curtiss Craig	Irving Remsburg Selby
	Willard Fisher Ellsworth	

AGRICULTURAL SHORT COURSE CERTIFICATES

TWO-YEAR CERTIFICATE		Leo F. Hostetler, <i>Nampa</i>
Roy W. Curts, <i>Cambridge</i>		Karl Larsen, <i>Riverdale, Calif.</i>
Earl M. McCandless, <i>Nampa</i>		Eugene E. Schneider, <i>Oakesdale, Wash.</i>
COMMERCIAL DAIRYING		Earl R. Wells, <i>Lewiston</i>
Clarence A. Butler, <i>Caldwell</i>		AUTO MECHANICS
David L. Gay, <i>Moscow</i>		Louis Eugene Doyle, <i>Moscow</i>
Jasper L. Driskell, <i>Nampa</i>		Andrew Abel Paroz, <i>Pottlatch</i>

FINAL HONOR LIST, CLASS OF 1928

For the conditions upon which honors are awarded, see page 30.

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

Jeanette Berntine Arntzen, B.A., *Moscow*
 Emma Eleanor Beamer, B.A., *Pocatello*

Bernice Thordis Bjornson, B.S.(Ed.), *Rupert*
Stella Josephine Brossard, B.A., *Rigby*
Beulah Elouise Brown, B.A., *St. Maries*
Helen Verna Campbell, B.A., *Moscow*
Ruth Christen, B.S.(Ed.), *Rupert*
Edward Walter Equals, B.S.(Bus.), *Payette*
Lola Gamble, B.S.(Ed.), *Moscow*
Farnsworth Leroy Jennings, B.A., *Craigmont*
Helen May Jensen, B.S.(H.Ec.), *Rupert*
Glen Johnson, B.A., *Kellogg*
Leroy Ernest Long, B.S.(Bus.), *Pocatello*
Ina McMurray, B.S.(Ed.), *Liberty*
Lois Elwood Russell, B.S.(Ed.), *Moscow*
Herbert John Wunderlich, B.A., *St. Maries*

HIGH HONORS

Eugene Hughes Anderson, LL.B., *Malad*
Raymond Earl Ashcraft, B.S.(Bus.), *Moscow*
Edmund Glenn Blackburn, B.S.(Bus.), *New York, N.Y.*
Stephen Walter Blore, B.S.(E.E.), *Moscow*
Leland Leon Chapman, B.S.(Chem.E.), *Blackfoot*
Elsie Jean Collette, B.A., *Burley*
Lorin Weston Curtis, B.S.(E.E.), *Emmett*
Robert George Elliott, B.S.(E.E.), *Moscow*
Charles Edward Fox, B.S.(For.), *Utica, N. Y.*
Virginia Lucille Grant, B.A., *Moscow*
Dorothy Howerton, B.S.(H.Ec.), *Jerome*
Helen Hammo Hunter, B.S.(H.Ec.), *Moscow*
Junius Larsen, B.S.(Chem.E.), *Nampa*
Gladys Hilma Oller, B.S.(H.Ec.), *Moscow*
Clarence James Meakin, B.S.(Ed.), *Ferdinand*
Charley Walter Miller, B.S.(E.E.), *Nezperce*
Edna Henrietta Minden, B.S.(Ed.), *Clarkston, Wash.*
Anna Fananda Mortenson, B.S.(Bus.), *Moscow*
George Andrew Ross, B.S.(Bus.), *Moscow*
Glenn Wilson Smith, B.S.(Bus.), *Moscow*
Mildred Lois Williams, B.S.(Ed.), *Fruitland*

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ENROLMENT SUMMARIES
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PART VII
LIST OF STUDENTS
ENROLMENT SUMMARIES
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LIST OF STUDENTS

GRADUATE STUDENTS

NAME	PRESENT DEGREE	MAJOR DEPARTMENT	RESIDENCE
*Abrahamson, Gust Emil, B.S. 1926, University of Minnesota	Education	Elk River	
Albertson, Herma Geneva, B.S. 1926, University of Idaho	Taxonomy	Blackfoot	
Allen, Mabelle McConnell, B.A. 1919, College of Idaho	Education	Boise	
*Allen, Vada Hazel, B.S. 1927, University of Idaho	Botany	Boise	
*Allred, Elwood Byron, B.S. 1927, Brigham Young University	Education	Blackfoot	
*Armstrong, Edna Campbell, B.A. 1913, University of Idaho	English	Rupert	
*Armstrong, Ray Dean, B.S.(C.E.) 1913, University of Idaho		Rupert	
*Barrett, Alice Allegra, A.B. 1920, College of Idaho	Education	Wendell	
Barnes, Norma, B.S. 1925, University of Idaho	Philosophy	Idaho Falls	
*Bauer, John Alden, B.S.(Agr.) 1927, University of Idaho	Agricultural Education	Malad	
†Beckwith, John Astchel, A.B. 1925, Gooding College	English	Moscow	
Beedle, Howard Romine, B.S. 1926, University of Illinois	Education	Champaign, Ill.	
Bever, Wayne Melville, M.S.(Agr.) 1928, University of Idaho	Plant Pathology	Lewiston	
*Biggers, Dennis Denver, B.S.(Ed.) 1926, University of Utah	Education	Murtaugh	
Billington, Paul Shepard, B.A. 1927, University of Oregon	Chemistry	Reedsport, Ore.	
*Blodgett, Charles Osgood, B.S. 1927, College of Idaho	Education	Boise	
Blodgett, Earle Comstock, B.S.(Agr.) 1929, University of Idaho	Horticulture	Grandview	
*Boosinger, Augustus John, B.S.(Ed.) 1925, University of Idaho	Education	Moscow	
*Booth, John Martin, B.S.(Agr.) 1917, University of Idaho	Education	Sandpoint	
Bowen, Hal Dale, B.S.(Ed.) 1928, University of Idaho	Psychology	Idaho Falls	
*Brodhead, Harold John, B.S.(Agr.) 1925, Colorado Agricultural College	Agricultural Education	Gooding	
*Brown, Agnes Mae, B.A. 1923, University of Idaho	Education	Moscow	
*Brown, Ralph Edgar, B.S. 1911, University of Illinois	Education	Hope	
Buchanan, Jesse Everett, B.S.(C.E.) 1927, University of Idaho	Civil Engineering	Spokane, Wn.	
Bunch, William Herschel, M.A. 1927, University of Oregon		Medford, Ore.	
*Carter, Andrew Vincen, A.B. 1926, Gooding College	Education	Gooding	
Cherrington, Virgil Arthur, B.S. 1928, Iowa State College	Bacteriology	Leon, Iowa	
*Cogan, Joseph Patrick, B.A. 1924, University of Idaho	Economics	Rupert	
*Cone, Charles Ernest, B.S. 1924, University of Idaho	Education	Oakdale, Wn.	
†Cook, David Warren, B.A. 1928, University of Idaho	Psychology	Moscow	
Cornelison, Bernice May, B.S. 1921, University of Idaho	Spanish	Moscow	
*Correll, Theodore Harrison, B.S. 1927, University of Idaho	Psychology	Moscow	
Cress, Joseph Earl, B.S.(E.E.) 1928, Kansas State Agricultural College	Agricultural Engineering	Manhattan, Kan.	
Darwin, Archibald Gilbert, B.S.(C.E.) 1927, University of Idaho		Moscow	
Davis, John DeWitt, B.S. 1913, University of Idaho	Psychology	Moscow	
†Dean, Kenneth Franklyn, B.S.(Ed.) 1928, University of Idaho	Education	Dresden, N. Y.	
*Deane, Luna Pearl Athen, B.A. 1912, University of Washington	Mathematics	Post Falls	
Decker, Lepha Mae, B.A. 1926, University of Idaho	History	Kooskia	
*Derr, Alfred Morley, B.S.(Agr.) 1925, University of Idaho	Education	Clarksfork	
*DeWitt, Ethel Humphrey, B.A. 1927, University of Idaho	English	Moscow	
Dole, Robert Eugene, B.S.(M.E.) 1926, University of Idaho	Mechanical Engineering	Moscow	
Dozier, Emily Agnes, B.A. 1916, University of Iowa	English	Payette	
Draper, George Ernest, B.S. 1927, University of Arizona		Glendale, Ariz.	
Drury, Clifford Merrill, B.D. 1922, San Francisco Theological Seminary		Moscow	
*Duke, Alma Earl, B.S.(Agr.) 1928, University of Idaho	Agricultural Education	Burley	
*Eaton, Ruth Viola Cecile, A.B. 1925, Gooding College	English	Wendell	
Edgar, Alfred Douglas, B.S. (Agr.Eng.) 1925, Kansas State Agricultural College	Agricultural Engineering	Moscow	
Fisher, Ernest Leroy, B.S.(Ed.) 1928, University of Idaho	Education	Moscow	
Foskett, Laurence Wilson, B.S. 1925, University of Idaho		White Bird	
*Fowler, William Sherman, LL.B. 1924, University of Idaho	Economics	Wendell	
Fox, Mary Elizabeth, B.A. 1919, Dakota Western University	English	Moscow	

*Resident in Summer School 1928.

†Resident in Summer School 1928 and regular session 1928-29.

- †Gardner, Leonard Martenis, B.S.(Ed.) 1928, University of Idaho *Education* Wardner
 †Geck, Edith Edwards, B.S.(Ed.) 1923, University of Idaho *Education* Caldwell
 Geddes, Martha, B.S. 1924, Utah Agricultural College *History* Preston
 Genaux, Charles Murray, B.S.(For.) 1924, Pennsylvania State Forest School *Forest Pathology* Moscow
 Goodrich, Arthur Leonard, B.S. 1928, College of Idaho *Zoology* Twin Falls
 Grant, Virginia Lucille, B.A. 1928, University of Idaho *Philosophy* Moscow
 Greene, George Wise, B.S.(Ed.) 1928, University of Idaho *Education* Culesac
 †Gregory, Ada Mary, B.S.(Ed.) 1928, University of Idaho *Education* Juliaetta
 Hansen, Henry Christian, M.S.(Agr.) 1927, University of Idaho *English* Moscow
 *Harris, Hazel Marie, B.S. 1926, University of Idaho *History* Kamiah
 *Hays, Arthur Homer, A.B. 1905, DePauw University *History* Boise
 *Hedge, Leslie William, M.S. 1926, University of Idaho *Spanish* Moscow
 *Henson, Rose Elma, B.A. 1927, University of Idaho *Spanish* Athol
 Hite, Thomas Hugh, B.S. 1926, University of Idaho *Geology* Moscow
 Hoisington, Carl Wallace, B.S.(Ed.) 1928, University of Idaho *Education* Moscow
 Howard, John Wilbur, B.S.(C.E.) 1924, University of Colorado *Civil Engineering* Moscow
 *Isaman, George Reynolds, M.S.(Ed.) 1927, University of Idaho *Philosophy* Lewiston
 Johnson, Glen, B.A. 1928, University of Idaho *Philosophy* Kellogg
 *Johnson, Milton A., B.S.(Agr.) 1925, University of Idaho *Agricultural Education* Blackfoot
 †Jones, John Richard, B.A. 1928, University of Idaho *History* Moscow
 †Jordan, Rush, B.S.(Ed.) 1923, University of Idaho *American History* Dillon, Mont.
 Keith, Mark Mariam, M.S. 1928, University of Idaho *History* Moscow
 Kemp, Paul Daniel, B.S.(For.) 1926, Pennsylvania State Forest School *Forest Pathology* Kutztown, Pa.
 Kersey, Helen Ruth, A.B. 1920, DePauw University *Education* Moscow
 King, Laura Edna, B.S.(Ed.) 1929, University of Idaho *Psychology* Lewiston
 *Lamph, David D., B.S. 1927, Brigham Young University *Education* Burley
 *Lang, Guy Wesley, A.B. 1926, Willamette University *Education* Echo, Ore.
 Lanchester, Horace Preston, A.B. 1925, College of Idaho *Entomology* Bliss
 Lattig, Vaughan Prater, B.A. 1924, University of Idaho *Spanish* Moscow
 Lundquist, Armand Hilmer, B.S. 1928, University of Idaho *Physics* Moscow
 *McAtee, Richard Hiram, B.S.(Ed.) 1927, University of Idaho *Psychology* Rosalia, Wn.
 *McLaughlin, Marvin Whitney, A.B. 1919, College of Idaho *Education* Notus
 McNall, Mary Frances, B.A. 1912, Whitman College *Latin* Sanders
 Maberly, Thomas Edward, B.S.(Agr.) 1922, Oregon Agricultural College *Dairy Husbandry* Boise
 *May, Richard Golden, B.S. 1926, Utah Agricultural College *Education* Rupert
 *Meakin, Clarence James, B.S.(Ed.) 1928, University of Idaho *Psychology* Ferdinand
 *Means, Milo T., B.S.(Agr.) 1922, Oregon Agricultural College *Agricultural Education* Burley
 Messenger, Loren Eliot, M.S. 1928, University of Idaho *Education* Moscow
 *Miller, Charles Stewart, B.A. 1923, College of Idaho *Education* Ashland, Ore.
 Miller, Edward Calvin, B.S.(Met.) 1928, Montana School of Mines *Metallurgy* Bonne Terre, Mo.
 *Miller, Elnora Belle, A.B. 1905, University of Michigan *History* Los Angeles, Cal.
 *Milliken, Helen Elizabeth, B.A. 1928, University of Idaho *History* Nampa
 Mitchell, John William, B.S. 1928, University of Idaho *Botany* Parma
 Mitchell, Pauline Howard, M.A. 1928, University of Idaho *Botany* Moscow
 †Moore, Frank Elisha, B.S. 1927, North Dakota Agricultural College *Biochemistry* Moscow
 *Mushlitz, Manford Eugene, B.S.(Ed.) 1924, University of Idaho *American History* Genesee
 *Nelson, David William, B.S.(Ed.) 1927, University of Idaho *Education* Moscow
 *Nicholson, Charles Mathew, B.S. 1925, University of Minnesota *Business* Moscow
 *Nolan, Virginia Athen, B. S. 1904, Fremont Normal School. *Education* Post Falls
 *Norton, Vera Amy, M.S. 1925, University of Idaho *Education* Portland, Ore.
 Oberg, Florence Axeline, B.M. 1928, University of Idaho *Voice* Moscow
 Oliver, Roger Peterson, A.B. 1922, Augustana College *Philosophy* Moscow
 Peterson, Eleanor Rowena, B.A. 1928, University of Idaho *Philosophy* Moscow
 *Peterson, Homer Leslie, B.S.(Ed.) 1926, University of Idaho *Philosophy* Potlatch
 Pierce, Walter Howard, M.S.(Agr.) 1926, University of Idaho *Philosophy* Moscow
 *Pollard, Cecil Proctor, B.A. 1923, College of Idaho *Zoology* Boise
 *Pollard, Louise McCormick, B.A. 1923, College of Idaho *Education* Boise
 *Poolton, Truman Lynex, B.S.(Ed.) 1928, University of Idaho *Education* Richland, Wn.
 Poyneer, Almeda Marie, B.A. 1925, University of Washington *French* Everett, Wn.

*Resident in Summer School 1928.

†Resident in Summer School 1928 and regular session 1928-29.

*Price, Samuel Willard, B.S.(Ed.) 1927, University of Idaho	Education	Malad
Raeder, J. Milford, M.S. 1920, Iowa State College		Moscow
Ramstedt, Lucile Victoria, B.M. 1927, University of Idaho		Moscow
Remsburg, Ruth Elizabeth, B.S. 1928, University of Idaho	Botany	Rupert
*Robertson, John Rolland, B.S.(Agr.) 1924, University of Idaho	Agricultural Education	Firth
Robocker, Muriel Carson, B.S.(Pre-Med.) 1924, University of Idaho	Zoology	Moscow
Ruehle, Godfrey L.A., M.S. 1910, University of Washington		Moscow
Saling, Wallace Marion, B.S.(For.) 1928, University of Idaho	Forest Pathology	Weippe
*Saum, Loyal Kingsbury, B.S.(Agr.) 1918, Kansas State Agricultural College	Agricultural Education	Emmett
Schilling, George Silas, M.S. 1926, Michigan State College		Moscow
Schuldt, Lester Lorentz, B.A. 1925, University of Minnesota	English	Laranger, La.
*Sessions, James Wyley, M.A. 1928, University of Idaho		Moscow
Sharp, Andrew Given, B.S. 1928, Cornell University	Forest Pathology	Cleveland, Ohio
*Shepherd, Mary Ann, A.B. 1914, Amity College	Education	De Smet
*Sherwin, George Harold, B.A. 1923, Monmouth College	Education	Spangle, Wn.
Shull, Wesley Earl, M.S. 1927, University of Idaho		Moscow
*Shulsen, Violet Linnie, A.B. 1924, University of California	Education	Wendell
*Sibert, Esther, B.A. 1926, University of Idaho	Education	Elberton, Wn.
*Smith, Craig Livingston, A.B. 1927, Jameston College	Education	Troy
Smith, Walter Wayne, M.S.(Ed.) 1928, University of Idaho		Moscow
Sparks, Fred McKinley, A.B. 1927, Tusculum College	Chemistry	Rialto, Cal.
Squibb, Doris Louise, B.A. 1927, University of Idaho	Spanish	Spokane, Wn.
Staley, William Wesley, B.S. 1925, New Mexico School of Mines	Mines Metallurgy	Moscow
Stoddard, Samuel Edmund, B.S.(Ed.) 1928, University of Idaho	Zoology	Moscow
Stough, Ruth Schwarz, B.A. 1926, University of Kansas	Zoology	Moscow
Stover, Joseph Murphy, Jr., B.S.(Ed.) 1929, University of Idaho	Psychology	Weiser
*Summers, George Washington, Sc.B. 1912, Ottawa University	Education	Spirit Lake
*Swayne, James Parke, A.B. 1903, Indiana University	Education	Melba
*Thompson, Harry Daniel, A.B. 1910, Otterbein University	Education	Wendell
*Toth, Bela, B.S.(Ed.) 1927, University of Idaho	Education	Coeur d'Alene
*Vesser, John Martin, B.S.(Agr.) 1925, University of Idaho	Education	Coeur d'Alene
*Ware, James Voorhees, B.S.(Ed.) 1928, University of Idaho	Psychology	Moscow
*Warren, Daniel Emerson, B.S.(Agr.) 1925, University of Idaho	Animal Husbandry	Rupert
Whitman, Eugene Winfield, B.S.(Agr.) 1928, University of Idaho		Moscow
Wieschuegel, Erwin George, B.S.(For.) 1922, University of Michigan	Forestry	Moscow
*Williams, Lewis M., B.S.(Agr.) 1925, University of Idaho	Agricultural Education	Sugar City
Williamson, Taylor Scott, B.S.(Ed.) 1928, University of Idaho	Education	Filer
*Wolff, Ruth Regina, B.A. 1925, University of Idaho	Education	Genesee
Woods, Edward Weston, B.S. 1928, State College of Washington		Republic, Wn.
*Young, Erma Lillian, B.A. 1926, Gooding College	English	Gooding
TOTAL GRADUATE STUDENTS,		150

GRADUATE STUDENTS IN PARTIAL ENROLMENT

Clare, Pauline	Zoology	Cambridge
Cromwell, John Frederic	English	Gooding
Flack, Gordon Lester	Botany	Spokane, Wn.
Haug, Gordon William	Entomology	Moscow
Steffens, Herman Walter	Pre-Medical Studies	Blackfoot

UNDERGRADUATE STUDENTS

SYMBOLS in the following lists are to be interpreted thus:

1. Freshman
2. Sophomore (or 1st-yr. Law)
3. Junior (or 2nd-yr. Law)
4. Senior (or 3d-yr. Law)
- a. Bachelor of Arts
- ag. Agriculture

- ae. Agricultural Engineering
- ar. Architecture
- b. Business
- ce. Civil Engineering
- ch. Chemical Engineering
- ed. Education
- ee. Electric Engineering
- f. Forestry
- g. Geology
- h. Home Economics

- law. Law
- m. Music
- me. Mechanical Engineering
- med. Pre-Medical
- met. Metallurgy
- min. Mining Engineering
- n. Pre-Nursing
- s. Bachelor of Science
- sm. Public School Music
- sp. Special

Abbott, Chauncy Whitney, 1	ed.....Nampa	Adair, Charles Roy, 4	ag.....Payette
Abitz, Albert Herman, 1	med.....Bovill	Adams, Charles Ambrose, 1	b.....Boise
Abramson, Mildred Leah, 2	ed.....Jerome	Adams, Mary Ellen, 2	h.....Nampa

*Resident in Summer School 1928.

†Resident in Summer School 1928 and regular session 1928-29.

Adams, Oscar Conway, 2 a.....Spokane, Wn.
 Ady, James Surber, 1 ee.....Payette
 Agee, Oren Joseph, 1 ee.....Kamiah
 Ahlskog, Ralph Hugh, 1 f.....Coeur d'Alene
 Ailshie, Robert, 3 a.....Coeur d'Alene
 Aitchison, Herbert William, 2 b.....Spokane, Wn.
 Akridge, Francis Marion, 2 min.....Nezperce
 Albertson, Burton Joseph, 3 b.....Blackfoot
 Albertson, Floyd Eli, 3 min.....Coeur d'Alene
 Albertson, Ruthella Marjorie, 4 m.....Blackfoot
 Allen, Carol Fay, 2 med.....Moscow
 Allen, Cyril Stanford, 4 ag.....Grace
 Allen, George Cowan, 1 b.....Nampa
 Allen, Lulu Grace, 4 ed.....Lewiston
 Allison, Oren Gerald, 1 a.....Filer
 Allison, Sara Marie, 3 h.....Veradale, Wn.
 Almqvist, Albert John, 1 ee.....Mullan
 Aman, Ora Lee, 4 ed.....Filer
 Ameling, Velma Leora, 4 ed.....Moscow
 Ameling, Vera Larita, 4 ed.....Moscow
 Ames, Adaline Alberta, 4 h.....Heyburn
 Ames, Helen Violet, 4 ed.....Sandpoint
 Ames, Marguerite, 4 s.....Boise
 Ancheta, Rufino Cristostomo, 1 ee.....Farmingington, Wn.
 Laoag, Ilcos Norte, P. I.
 Andersen, Helen, 3 ed.....Moscow
 Anderson, Arthur Chester, 1 ag.....Hill City
 Anderson, Clarice Evelyn, 3 a.....Moscow
 Anderson, Clyde Leroy, 3 ag.....Idaho Falls
 Anderson, David Alvin, 4 a.....Moscow
 Anderson, Elnora Euginia, 1 b.....Weiser
 Anderson, Eva Arline, 2 a.....Sandpoint
 Anderson, Harold Talbott, 2 ee.....Moscow
 Anderson, Helen Mabel, 4 ed.....Moscow
 Anderson, Ivan Fred, 1 a.....Idaho Falls
 Anderson, Joel Grant, 2 ar.....Moscow
 Anderson, Leroy Willis, 4 b.....Pocatello
 Anderson, Oscar William, 1 med.....Coeur d'Alene
 Anderson, Torney Everett, 2 ag.....Coeur d'Alene
 Anderton, Frances Elizabeth, 4 h.....Moscow
 Andrews, Francis Whipple, 1 f.....Rupert
 Andrews, Howard Thomas, 4 ed.....Parma
 Angell, Virginia Gilbert, 4 a.....Moscow
 Angney, Harry David, 1 a.....Elk River
 Archer, Frank, 2 ed.....Moscow
 Armatage, John Lee, 1 ed.....Meridian
 Armour, Tom William, 1 ed.....Moscow
 Arnold, Stanley Dean, 4 a.....Prescott, Wn.
 Ashlee, Thomas R., sp s.....Moscow
 Ashworth, Betty Louise, 1 a.....Payette
 Auger, Fred Saunders, 3 b.....Winchester
 Aukema, Edgar Mark, 1 ed.....Hailey
 Ault, Clement Henry, 3 ag.....St. Helens, Ore.
 Aust, Paul William, 1 f.....Spokane, Wn.
 Axelsen, Milo Clifton, 1 a.....Clear Lake, Iowa
 Axtell, Donald Hervey, 3 f.....Spokane, Wn.
 Axtell, Mildred Marion, 2 a.....Moscow
 Babcock, Mary Eleanor, 2 a.....Twin Falls
 Babcock, William Arthur, 1 a.....Twin Falls
 Backlund, Hannah Sophia, 3 a.....Mullan
 Bailey, Donald Sinnett, 4 ee.....Boise
 Baily, Robert Danforth, 1 min.....Spokane, Wn.
 Baken, George Joseph, 2 b.....Moscow
 Baker, Andrew Francis, 1 ed.....Spirit Lake
 Balch, Alford Prentice, 4 f.....Spokane, Wn.
 Baldeck, Eugene Joseph, 1 med.....Lewiston
 Baldwin, Virgil Paul, 2 ed.....Lewiston
 Banks, Mary E. Norie, sp a.....Moscow
 Barbor, Charles Newton, 2 b.....Culdesac
 Bark, Darryl, 1 b.....Tacoma, Wn.
 Barnhart, Ezra Earl, 1 a.....Moscow
 Barnhart, Thomas Henry, 1 med.....Spokane, Wn.
 Barrett, Kenneth Rafael, 3 ed.....Pocatello
 Barron, Lloyd Francis, 1 ag.....Corral
 Bartholow, Gerald Haynes, 2 b.....Lewiston
 Bartlett, Anna Dolorse, 1 a.....Terreton
 Bartlett, Esther Julianne, 1 a.....Austin, Tex.
 Barton, Albert Lee, 1 ee.....Filer
 Bateman, Leona Marjorie, 3 h.....Moscow
 Baur, Reuben, 4 ag.....St. Anthony
 Bauer, Ruby Ellen, 4 h.....Filer
 Bauman, Ernest Oscar, 1 b.....Nampa
 Baumgartner, Frederick, 4 ed.....Genesee
 Bayley, Howard Wadham, 4 ch Trail, B. C.
 Beadner, Sol A., 2 med.....Boise
 Beam, Katherine Elizabeth, 3 a.....Meridian
 Beardmore, George Wolcott, 3 a.....Priest River
 Bechard, Eugene Earsel, 1 a.....Bonners Ferry
 Bechtel, Bula Etta, 1 ed.....Clarkia
 Becker, Margaret Claire, 3 sm.....Genesee
 Beeson, LaReta Beryl, 3 ed.....Spokane, Wn.
 Belknap, Byron Burdette, 4 a.....Lewiston
 Belknap, Meldon Clifford, 3 b.....Farmingington, Wn.
 Bell, Bessie Amelia, 4 ed.....Boise
 Bell, Charlotte Lucille, 2 ed.....Blackfoot
 Bell, Elizabeth Gail, 1 h.....Spokane, Wn.
 Bell, Thomas Donald, 1 ag.....Rupert
 Bell, Vinnie John, 2 b.....Farmingington, Wn.
 Benham, Harry Townier, 1 me.....Moscow
 Benham, Margaret Rebecca, 2 ed.....Arvada, Wyo.
 Benham, Ruth Jacoba, 1 a.....Arvada, Wyo.
 Bennett, Carey Hall, 4 f.....Ogden, Utah
 Benson, Alvin Babbit, 1 ee.....Melba
 Benson, Helen Marie, 1 b.....Coeur d'Alene
 Bent, Edgar St. Clair, 2 b.....Lewiston
 Berg, Howard Edwin, 1 ed.....Aberdeen
 Berglund, Eleanor Ruth, 1 b.....Coeur d'Alene
 Berglund, Elmer Alfred, 4 b.....Coeur d'Alene
 Bergman, Harriet Izetta, 2 ed.....Kellogg
 Berry, Fred Coffin, 4 h.....Elk River
 Bessler, William Donald, 1 min.....Lewiston
 Best, Dwyer Duane, 1 min.....Elk River
 Beyer, Edwin Thiemann, 4 law.....Moscow
 Beymer, Mary Elizabeth, 2 h.....Rupert
 Bhela, Jagdish Singh, 1 f.....Punjab, India
 Biladeau, Archie Loyd, 1 ee.....Boise
 Black, Pearl Kitch, 1 ed.....St. Maries
 Blackburn, Howard, 2 med.....American Falls
 Blake, James Bruce, 1 ed.....Orofino
 Blackinger, Helen Permeal, 2 ed.....Boise
 Blair, Wayne Forrest, 2 b.....Boise
 Blank, Charles Floyd, 4 ed.....Moscow
 Blayden, Thelma LaFawn, 2 ed.....Boise
 Bloom, Marjorie Ellis, 3 a.....Spokane, Wn.
 Bohman, Ruth Violet, 2 h.....Troy
 Boice, Wesley Albert, 3 ag.....Blackfoot
 Booker, Frederick John, 2 ed.....Glendale, Cal.
 Boone, Oren Frank, 1 ag.....Twin Falls
 Borden, Helen Melissa, 2 a.....Millwood, Wn.
 Bosshardt, Dorothy Henrietta, 1 ed.....Parma
 Bosshardt, Veith Edward, 1 a.....Parma
 Bothwell, Robert Oliver, 1 me.....St. Maries
 Bowen, Fern, 2 ed.....Malad
 Boyd, Paul Sheehan, 4 a.....Buhl
 Boyer, William Harold, 4 s.....Culdesac
 Bradshaw, Douglas, Bixby, 1 b.....Wendell
 Bradshaw, Edith, 2 ed.....Wendell
 Bradshaw, Nordahl Albert, 1 ee.....Wallace
 Brasch, Ernest Frederick, 1 me.....Nezperce
 Brashear, Florence May, 4 h.....Post Falls
 Bray, Edward English, 1 ee.....Long Beach, Cal.
 Brigham, Burnis Burton, 2 a.....Genesee

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Brimhall, Forest Lewis, 4 m.....Genesee
Brimhall, Maybelle Jones, 3 a.....Moscow
Brill, Jay James, 3 b.....Wallace
Brimhall, Maurice Christensen, 3 ed.....Pocatello
Brindley, Sara Frances, 2 a.....Moscow
Brock, Homer Clarence, 3 b.....St. Maries
Broderon, Christine Mary, 1 ed.....Weiser
Bronson, William Spencer, 3 a.....Craigmont
Brower, Doris Elizabeth, 2 ed.....Lewiston
Brown, Arthur Warner, 1 ee.....Caldwell
Brown, Bennie Arvel, 3 ed.....Twin Falls
Brown, Clifford Elzea, 4 ee.....Ashton
Brown, Edward Caswell, 1 a.....Caldwell
Brown, George Anne, 2 a.....Kellogg
Brown, Harold Forbes, 1 ag.....Belmont
Brown, Harold Gilson, 2 f.....Port Townsend, Wn.
Brown, Lloyd LeRoy, 1 ed.....Rigby
Brown, Oscar Lee, 3 ed.....St. Maries
Brown, Otto Rossi, 3 met.....Kellogg
Brown, Robert Eugene, 2 a.....Arco
Brown, Wallace Morell, 1 me.....Port Townsend, Wn.
Broyles, Nevis Kincade, 1 ch.....Moscow
Broyles, Norma Mae, 2 a.....Boise
Brunt, Alfred William, 1 b.....Idaho Falls
Bryant, Vera Ellen, 2 ed.....Orofino
Bryden, Dorothy, 2 a.....Montpelier
Buchingham, Alfred Egleson, 3 med.....Kamiah
Buckingham, Arthur, 3 f.....Moscow
Bucks, Dorothy Sims, 4 a.....Pocatello
Budrow, Genevieve Elizabeth, 4 a.....Bancroft
Bue, Palmer Winslow, 3 ce.....Moscow
Buell, Frank Lincoln, 1 a.....Spokane, Wn.
Bunker, Bruce Maxwell, 2 ee.....Notus
Burgher, Darwin Kilburn, 3 f.....Rupert
Burnett, Beulah Mae, 2 sm.....Mackay
Burnett, Hugh Benedict, 1 ee.....Newport, Wn.
Burnett, Margery Florence, 2 a.....Wallace
Burns, Gilbert Nelson, 2 ag.....Coeur d'Alene
Burns, Ruth Alene, 1 ed.....Coeur d'Alene
Bursch, Eleanor Adeline, 2 ed.....Moscow
Bursch, Ralph Joe, 1 b.....Moscow
Burton, Cary Leslie, 3 f.....Belle Plaine, Kan.
Burton, Lawrence Lynn, 2 min.....Emmett
Burton, Miriam, 4 sm.....Moscow
Buzzard, Everett, 1 f.....Payette
Byer, Jane Serita, 1 a.....Pocatello
Byrd, Mary Katherine, 3 a.....Lewiston
Byrne, Eddie Patrick, 2 b.....Richfield
Cadigan, William Gosnald, 2 b.....Spokane, Wn.
Cairns, Vernon Tolleth, 2 ce.....Meridian
Caldwell, Nellie Marie, 1 h.....Amsterdam
Callaway, Cathryn Asbill, 2 a.....Caldwell
Callaway, William Robert, 4 a.....Spokane, Wn.
Callender, Esther Malissa, 2 n.....Boise
Callender, Orley Newell, 3 med.....Boise
Calvert, J. Arnold, 3 b.....Lewiston
Camp, Barney Dwight, 1 ar.....Council
Campbell, Aileen Lois, 2 a.....Sandpoint
Campbell, Flora Carolyn, 3 ed.....Sandpoint
Campbell, Kathryn Elise, 3 ed.....Boise
Campbell, Lionel Thaddeaus, 1 a.....Boise
Cann, Fred Roderick, 4 b.....Moscow
Cannon, Edward Lambert, 4 b.....Mountain Home
Carey, Alice Mary, 2 ed.....Moscow
Carey, Benjamin David, Jr., 4 a.....Cambridge, Mass.
Carlson, Edwin Jennings, 3 b.....Lacrosse, Wn.
Carlson, Harold DeVere, 2 g.....Wardner
Carlson, Mildred Regina, 2 b.....Moscow
Carlson, Rudolph Walfred, 3 b.....Moscow
Carlson, William Oscar, 2 f.....Winnetka, Ill.
Carnell, Frank Quintain, 1 a.....Chicago, Ill.
Carnes, Donald Pemble, 1 b.....Salmon
Carpenter, Hubbell, 2 ee.....Boise
Carrow, John Elmer, 3 med.....Lewiston
Cash, Elaine Ellen, 1 a.....Spokane, Wn.
Cass, Joseph Herrick, 1 ch.....Los Angeles, Cal.
Caswell, Donnabel B., 2 s.....Boise
Chalog, Philip, 1 f.....Bontoc, Mt. Province, P. I.
Chamberlain, Lawrence Henry, 3 ed.....Moscow
Chandler, Vera Juanita, 3 a.....Boise
Chapman, Emma Elizabeth, 2 ed.....Idaho Falls
Chariton, Lila Mae, 3 ed.....Coeur d'Alene
Chase, Verla Alice, 4 a.....Grangeville
Chenoweth, Edith, 1 a.....Moscow
Chenoweth, Mary Elizabeth Anne, 1 a.....Moscow
Cherrington, Maurine Merwin, 3 ed.....Moscow
Cheyne, Arthur Clark, 4 ed.....Mullan
Chisholm, Raymond Swayne, 4 ch.....Burke
Christensen, Harriett Lorraine, 4 ed.....Shelley
Christensen, Walter Christian, 1 ag.....Shelley
Christopher, Margaret, 1 b.....Colfax, Wn.
Christopher, Mursella Mary, 3 a.....Palouse, Wn.
Clare, Bessie Lois, 3 h.....Cambridge
Clare, Herbert Cecil, 4 ch.....Cambridge
Clare Pauline, 4 ed.....Cambridge
Clark, Herbert Strickland, 2 ee.....Moscow
Clark, Laura Alice, 3 sm.....Filer
Clark, Marie Annette, 1 a.....Culdesac
Clark, Ruth Hallie, 1 a.....Portland, Ore.
Clark, Vernon, 2 min.....Piacabo
Clark, Wayne, 1 ag.....Piacabo
Clayville, Mildred Meda, 4 h.....Paul
Cline, Harry Franklin, 1 ag.....Emmett
Cline, Murtha Kent, 4 law.....Springdale, Wn.
Code, Lela May, 1 ed.....Emmett
Coddington, Henry West, 3 b.....Portland, Ore.
Collado, Santiago Mejia, 1 me.....Villasis, Pangasinan, P. I.
Collier, Claire Barton, 3 law.....Liberty Lake
Collins, Milford Edwin, 3 ee.....Moscow
Colvin, Ena Faye, 4 ed.....Bliss
Colvin, Iris Margaret, 1 ed.....Bliss
Compton, Raymond Jerome, 3 law.....Potlatch
Cone, James Frank, 3 s.....Parma
Congdon, Nathaniel Ward, 1 s.....Boise
Connors, Francis Verne, 1 b.....Wilbur, Wn.
Cowan, Clarence Edward, 2 ee.....Boise
Coon, Edward Albert, 3 ed.....Portland, Ore.
Coonrod, Melvin Arthur, 1 f.....Boise
Cooper, Frederick Glenn, 4 ed.....Tacoma, Wn.
Cooper, John Howell, 1 med.....Burley
Coppula, Charles, 1 ed.....Spokane, Wn.
Corcoran, Maurice Charles, 1 a.....Portland, Ore.
Corkery, Flora Sibley, 1 med.....Spokane, Wn.
Corkery, Jörn Ripley, Jr., 1 ce.....Spokane, Wn.
Corless, Donald Edward, 2 ag.....Paul
Corless, Robert Stewart, 3 ag.....Paul
Corlett, Edward John, Jr., 1 b.....Meridian
Cornell, Philip Lester, 1 b.....Spokane, Wn.
Cornell, Virginia Harriet, 4 a.....Pocatello
Coughlan, Harry W., 4 ar.....Montpelier
Courtney, Daniel Sherwood, 4 ag.....Moscow
Cowgill, Linn Duncan, 1 a.....Spokane, Wn.
Cox, Evelyn Irene, 2 a.....Koskia
Craig, Catherine Virginia, 1 ed.....Ampa
Craig, Gerald Maurice, 1 a.....Nampa
Craig, Merrill Van, 1 f.....Moscow
Craig, Vivian VanHise, sp ed.....Moscow

- Crandall, John Sheridan, 2 min.....Salmon
 Craner, William Richard, 4 ag.....Burley
 Cranston, Ronald Virtue, sp b.....Boise
 Craven, Dorothy, 1 ed.....Boise
 Craven, Marylou, 3 ed.....Boise
 Crawford, Walter Alexander, 2 ee.....Boise
 Cray, Helen Elizabeth, 1 ed.....Lenore
 Creswell, Mildred Rose, 1 ed.....Emmett
 Croft, Charles Wesley, 1 a.....Moscow
 Cromwell, John Frederic, 4 a.....Gooding
 Crooks, James Edgar, 4 b.....Boise
 Crooks, Robert Gordon, 2 b.....Boise
 Cross, Charles Crego, 1 ee.....Spokane, Wn.
 Cross, Edward George, 2 a.....Ritzville, Wn.
 Cross, Virgil Stuart, 3 ag.....Gooding
 Crosthwait, Lynn Donald, 1 f.....Mosquero, N. M.
 Crowe, Ruth Wardwell, 1 b.....Boise
 Croy, John Arthur, 1 ed.....Clarkston, Wn.
 Croy, Paul Robert, 3 ed.....Clarkston, Wn.
 Culligan, Alice, 4 ed.....Moscow
 Cummings, Avery Duane, 1 a.....Ft. D. A. Russell, Wyo.
 Cunningham, Florence Philamena, 4 b.....Coeur d'Alene
 Cunningham, Shirley Dee, 2 a.....Hailey
 Curryer, Ralph Alva, 1 ag.....Spokane, Wn.
 Curtis, Richard Murtha, 3 med.....Sandpoint
 Curtiss, Virginia Ellen, 1 b.....New Plymouth
 Dahlkey, Eugene George, 2 med.....St. Maries
 Dalton, Helen Irene, 3 n.....Mullan
 Daly, Roy Orin, sp f.....Victor
 Daniels, Lorin, 2 b.....Malad
 Daniels, Ruth Agnes, 2 ed.....Moscow
 Danilson, Paul Andrew, 2 ee.....Kellogg
 Daskam, Glenn Alson, 1 f.....Cresco, Iowa
 Daubert, Harry Eugene, 2 ed.....Reubens
 Daugherty, John Worth, 1 ce.....Reubens
 Davidson, Tillmer Elmorise, 1 ar.....Moscow
 Davis, Artemus Darius, 4 b.....Miami, Fla.
 Davis, Clifford Oron, 1 ag.....Twin Falls
 Davis, Elaine Ida, 1 ed.....Bovill
 Davis, Emmert Earl, 1 b.....Buhl
 Davis, Irma Margaret, 1 a.....Goldendale, Wn.
 Davis, Lloyd James, 3 b.....Sandpoint
 Davis, Mary Eldora, 3 ed.....St. Maries
 Davison, Frank Howard, 2 law.....Boise
 Dawald, Clyde, 2 ed.....Onalaska, Wn.
 Dawson, Gwendolyn Elizabeth, 1 h.....Genesee
 Day, Anne Louise, 2 h.....Spokane, Wn.
 Dean, Alfred Lyle, 4 ed.....Moscow
 Dean, Walter Judson, 4 a.....Omaha, Nebr.
 d'Easum, Cedric G., 3 a.....Blackfoot
 Decker, Cleo Fern, 4 a.....Kooskia
 de Lespinasse, Gysbert Harold, 1 med.....Eastport
 Delo, John Jacob, 1 b.....Melba
 Denney, Gertrude Emily, 1 ed.....Cambridge
 Des Marias, Adrian, 2 a.....New Bedford, Mass.
 Devery, James Morris, 2 b.....Reubens
 Devine, Edward Reilly, 1 ee.....Moscow
 Devlin, Genevieve Francis, 1 ed.....Mt. Home
 Dewey, Corona, 3 a.....Nampa
 Dewey, Dorothy Irene, 1 b.....Moscow
 Dhillon, Hardit Singh, 4 a.....Punjab, India
 Dice, Carl Marion, 2 met.....Pocatello
 Dick, Charles Lewis, 3 ee.....Lewiston
 Dick, Kenneth Andrew, 2 b.....Mountain Home
 Dickson, Leigh Manchester, 2 ed.....Colfax, Wn.
 Dicus, Fred Ellis, 3 ee.....Genesee
 Diehl, Samuel Gordon, 2 ed.....Filer
 Diers, John Stanley, 1 min.....Mackay
 Diethelm, Alfred Conrad, 2 b.....Moscow
 Diethelm, Lillian Eleanor, 4 h.....Moscow
 Dillingham, Dudley Prentice, 1 a.....Mackay
 Dillon, Bessie, 4 h.....Moscow
 Di Miceli, Leonard, 1 a.....Moscow
 Dinsa, Harindar Singh, 2 ag.....Punjab, India
 Dittman, Clarence Paul, 2 f.....Aurora, Ill.
 Dodd, Jack Bruce, 2 f.....Spokane, Wn.
 Dolan, Paul Gerald, 2 a.....Spirit Lake
 Dolan, William Stanley, 1 a.....Spirit Lake
 Donlon, John Edward, 3 ee.....Pocatello
 Donovan, John Francis, 2 ee.....Hope
 Doolittle, Verda, 1 b.....Boise
 Doty, Harold George, 2 ee.....Moscow
 Douglas, Edward Leonard, 2 b.....St. Maries
 Douglas, Helen Dorothea, 2 h.....St. Maries
 Doyle, Clarence James, 2 ed.....Genesee
 Drager, Frederick Eugene, 2 ce.....Bellevue
 Drake, Clarence Martin, 2 law.....Walla Walla, Wn.
 Driscoll, Elizabeth Agnes, 3 a.....Moscow
 Drummond, Harold, 3 a.....Kellogg
 Drummond, Robert, 3 ed.....Kellogg
 Drury, Miriam Leyrer, sp m.....Moscow
 DuBois, Donald Lloyd, 1 min.....Moscow
 DuBois, Grace Hardie, 3 ed.....Moscow
 Duffy, Hugh Joseph, 2 ar.....Jerome
 Duffy, Irene Mary, 2 ed.....Moscow
 Duffy, Philip Lawrence, 2 ar.....Kellogg
 Dukes, Eunice Edwards, 4 ed.....Caldwell
 Duncan, Elva Kathryn, 2 a.....Sheridan, Wyo.
 Duncan, Loren Gano, 2 ed.....Moscow
 Dunlap, Louise Irby, 3 a.....Craigmont
 Dunn, Elizabeth Lay, 4 a.....Wallace
 Dunn, George Wallace, 4 ch.....Spokane, Wn.
 Dunn, Jessie Maxine, 1 b.....Boise
 Dunn, Ruth Elaine, 1 a.....St. Maries
 DuSault, Phil Edward, 4 ar.....Moscow
 Duspiva, Victor Glenn, 1 ae.....Nampa
 Dyer, Geneva, 2 a.....Orofino
 Eagleson, John Willis, Jr. 3 ed.....Boise
 Easter, Bernice, 1 a.....Cabinet
 Eastman, Cleo, 1 f.....Nampa
 Eastman, Elizabeth Mary, 3 ed.....Boise
 Eastman, Virgil Herman, 2 f.....Nampa
 Eaton, John Murray, 2 ed.....Emmett
 Eaton, Vernon Arthur, 1 ce.....Boise
 Edelblute, Harvey William, 2 ch.....Rathdrum
 Edmiston, Susanna Jean, 2 s.....Moscow
 Edmiston, Vivian Virginia, 2 s.....Moscow
 Edwards, Georgia Alberta, 1 a.....Nampa
 Egbers, Frank Bordwell, 3 ed.....Coeur d'Alene
 Egbert, Kenneth Madden, 2 b.....Meridian
 Egurrola, Jess, 3 b.....Boise
 Ehrenberg, Clarence Henry, 1 b.....Wallace
 Ehrhardt, John Chase, 2 b.....Lewiston
 Eimers, Paul George, 1 a.....Grangeville
 Eklund, Ellen Evelyn, 4 sm.....Burley
 Eklund, Lennart Norman, 2 ee.....Burley
 Elder, Margaret, 2 h.....Coeur d'Alene
 Elliott, Elizabeth Marie, 1 a.....Culdesac
 Elliot, Richard Louis, 1 ag.....Culdesac
 Ellis, Burton French, 4 law.....Monida, Mont.
 Emahiser, Evelyn Maree, 2 ed.....Lewiston
 Ennis, Richard Cecil, 1 b.....Nampa
 Ennis, William Gordon, 1 a.....Pocatello
 Ensign, Arthur Willis, 4 b.....Hailey
 Ensign, William Warren, 2 f.....Hawarden, Iowa
 Equals, Donald Robert, 1 s.....Payette
 Erwin, Richard Patton, 1 s.....Boise
 Espe, Oliver William, 3 ag.....Spokane, Wn.
 Estes, Murray, 2 ed.....Moscow
 Estes, Virgil Eugene, 2 ed.....Moscow
 Eubanks, Alva Otto, 3 ed.....Nampa
 Evans, Keith Elden, 2 ag.....Twin Falls
 Evans, Myrthus W., 3 ag.....Malad

Evans, Rhoda Louise, 3 a.....	Downey	Galigher, Thomas William, Jr., 2 me.	Boise
Evans, Virgil Jenkins, 4 ed.....	Samaria	Gallagher, Lillie, 2 a.....	Burke
Everest, Emma Mae, 1 h.....	Grangeville	Gallaugh, Howard Homer, 3 a.....	Lewiston
Ewing, John Dumas, 4 a.....	Miles City, Mont.	Gallet, Frances Marian, 3 a.....	Boise
Fagerlund, Gunner Odwin, 2 f.....	Rolla, N. D.	Galloway, Eleanor Lake, 4 ed.....	Weiser
Fanning, Ruth Jean, 3 h.....	Moscow	Galloway, Mary Frances, 4 a.....	Weiser
Farley, Wayne Howard, 1 a.....	Boise	Garlinghouse, Richard Lynn, 1 a.....	Lewiston
Farmer, Lowell Judson, 3 f.....	Canton, Minn.	Garnette, Kathleen Gene, 3 a.....	Garfield, Wn.
Farrar, Elmo Joseph, 1 f.....	Twin Falls	Garrett, Nora Opal, 2 n.....	Spokane, Wn.
Fattu, Nicholas Albert, 2 ed.....	Kellogg	Garrison, Firth, 1 b.....	Caldwell
Feltis, Carol Ruth, 1 a.....	Mead, Wn.	Garver, Ruth Frances, 2 b.....	Boise
Felten, William Paul, 1 ed.....	Glendale, Cal.	Gathe, Theodore Henry, Jr., 3 b.....	Pocatello
Ferguson, Edna Mae, 1 a.....	Deary	Gault, Harry Stewart, 4 ag.....	Buhl
Ferguson, Lamar N., 1 a.....	Rockford, Wn.	Geary, Mary Estaline, 1 h.....	Grangeville
Ferris, John Harley, 2 min.....	Lewiston	Geddes, Elsie Margaret, 1 ed.....	Boise
Ficke, Harold Carl, 3 ed.....	Payette	Geddes, Helen, 1 a.....	Preston
Ficke, Herman, 2 f.....	Payette	Geddes, Norma, 4 a.....	Winchester
Fikkan, Margaret, 1 h.....	Emmett	Geddes, Zola, 4 a.....	Winchester
Filseth, Joseph Albert, 1 b.....	St. Maries	Gelinsky, Charles Cogswell, 1 a.....	Portland, Ore.
Finch, Edward Henry, 1 b.....	Soda Springs	Gellein, Oscar Strand, 1 ed.....	Weiser
Finch, William Carl, 1 ag.....	Soda Springs	Gibbs, Beatrice Lucy, 1 a.....	Buhl
Fisher, Earl Mills, 1 a.....	Lewiston	Gibson, Dawn Irene, 2 ed.....	Lewiston
Fisher, Flora Elizabeth, 1 ed.....	Harrison	Gilbertson, Gudrun, 1 ed.....	Moscow
Fisher, George Morris, 3 f.....	Ames, Iowa	Gildow, Florence Polson, sp a.....	Moscow
Fisher, McLean Kangy, 2 b.....	Lewiston	Gill, Tyler Sherwood, 2 f.....	Caldwell
Fisher, Robert Alexander, 1 ag.....	Post Falls	Gillespie, Mary Carolyn, 2 ed	Veradale, Wn.
Flack, Damon Milton, 2 med.....	Meridian	Gillespie, Walter Edward, 1 a.....	Spencer
Flack, Gordon Lester, 4 ed.....	Spokane, Wn.	Gillett, Joseph Andrus, 1 ag.....	Declo
Flack, Helen Rebecca, 1 b.....	Meridian	Gillett, Lois Alyda, 2 ed.....	Moscow
Fleming, Bernard Paul, 3 b.....	Burke	Gillette, Lee Randolph, 2 b.....	Lewiston
Fleming, Lawrence Francis, 2 b.....	Burke	Gilmore, Elizabeth Florence, 1 m.....	Moscow
Fletcher, Frank Alden, 1 b.....	St. Anthony	Gimble, Germaine Jean, 4 a.....	DeSmet
Forbis, Vera Ruth, 2 a.....	Juliaetta	Ginn, Charlotte Rowena, 1 a.....	Walla Walla, Wn.
Ford, Margaret Helen, 1 a.....	Idaho Falls	Ginn, Richard Walter, 2 b.....	Walla Walla, Wn.
Ford, Marjorie Phyllis, 3 b.....	Wendell	Gittins, Horace Leigh, 4 a.....	Pocatello
Forster, Norman Bailey, 2 a.....	Seattle, Wn.	Glase, John Cahoon, 3 b.....	Boise
Foss, Edward, 3 b.....	Gifford	Gleason, Gladys Elizabeth, 1 ed.....	Jerome
Foss, Margaret Emily, 2 ed.....	Preston	Glindeman, Lucile Harriet, 3 a.....	Coeur d'Alene
Fouch, Doris Evelyn, 4 n.....	Parma	Glindeman, Portia Marie, 1 h.....	Coeur d'Alene
Ford, Philip, 1 min.....	Weiser	Gnaedinger, William Griffin, 1 ch.....	Walla Walla
Fowler, Charles Henry, 2 b.....	Idaho Falls	Gochenour, Warren David, Jr., 2 b.....	Missoula, Mont.
Fowler, Leroy Chestney, 3 a.....	Wendell	Golden, Robert Harold, 1 a.....	Park
Fowler, Margaret Louise, 3 ed.....	Idaho Falls	Goldsmith, Maryvina, 4 a.....	Idaho Falls
Frahm, Aubert Lorn, 3 b.....	Hansen	Gooch, Dorothy Caroline, 2 a.....	Clarkston, Wn.
Frahm, William August, 1 ag.....	Kuna	Gooding, Grayce Lillian, 4 ed.....	Weiser
Francisco, Emiliano Alonzo, 2 a.....	Laoag, Ilocos Norte, P. I.	Goodwin, Cardinal Wayne, 3 f.....	Oakland, Cal.
Francone, Flora Rose, 2 ed.....	Nampa	Goodwin, Ruth Katherine, 1 ed.....	Harrison
Fraser, Thorwald Johnson, 1 b.....	Boise	Gorecki, George Anthony, 4 ch.....	Coeur d'Alene
Frazier, Earl Aruther, 1 b.....	Hagerman	Gorton, William Winfield, 2 b.....	New Plymouth
Frazier, Hazel Myrtle, 3 h.....	Gifford	Goss, Dale Marvin, 2 a.....	Kellogg
Frazier, Leonard, 4 ed.....	Lewiston	Goudzward, Donald Martin, 4 ed.....	Moscow
Frazier, Lyle Alvin, 1 b.....	Hagerman	Gowen, Paul R., 2 me.....	Caldwell
Frazier, William Harry, 1 b.....	Moscow	Gower, Helen Louise, 1 b.....	Pocatello
Frederic, Jack Lawrence, 1 f.....	Coeur d'Alene	Grabner, Floren Alden, 4 ed.....	New Plymouth
Frederickson, Anna Lois, 1 h.....	Malad	Grabner, Kenneth McCoy, 3 ed.....	New Plymouth
Fredrickson, Dorothy Mary, 3 m.....	Malad	Grammer, Betty Maude, 2 a.....	Huston
Friberg, Walter Raymond, 1 me.....	Coeur d'Alene	Grant, Robert Willis, 1 b.....	Spokane, Wn.
Frisch, Lawrence Vaughan, 2 f.....	Lewiston	Gray, George Henry, 1 me.....	Caldwell
Fritchman, Holt, 2 f.....	Naches, Wn.	Gray, James Edwin, 1 ag.....	Viola
Frizzell, Lucille Marian, 1 sm.....	Hot Springs, Mont.	Gray, Ruth Meriam, 3 a.....	Caldwell
Frizzelle, Merle Edwin, 2 ed.....	Eagle	Graybill, Charles Lillard, 2 b.....	Nampa
Frost, Elijah Vance, 1 b.....	Buhl	Greeling, Merritt Monroe, 4 ed.....	Nyssa, Ore.
Frost, Purser Wayne, 1 ed.....	Caldwell	Green, Marguerite Vera, 4 s.....	Troy
Fry, Arthur Esher, 1 med.....	Bonnars Ferry	Greiser, George J., 2 b.....	Genesee
Fuller, Kent LeVan, 1 ag.....	Marysville		
Fuller, Melvin Francis, 4 med.....	Moscow		
Fulton, Anna Thorne, 1 s.....	Moscow		
Funk, Roland William, 1 b.....	Moscow		
Funke, Alfred John, 3 ag.....	Cottonwood		
Gage, Glenn Edward, 1 ee.....	Culdesac		
Gale, Clair Edward, 4 b.....	Bonnars Ferry		
Gale, William Paul, 3 b.....	Bonnars Ferry		

- Grendahl, Herman Clifford, 1 ce.....Moscow
 Grieser, Lawrence Frank, sp b.....Moscow
 Grieser, Theodore Joe, 4 ee.....Moscow
 Griffith, Glynn Kinne, 3 b.....Burley
 Griffith, Gwendolyn, 4 h.....Burley
 Griffith, Marjorie, 1 h.....Burley
 Grimm, Gerald Gilbert, 2 a.....Boise
 Grohosky, Margaret Elizabeth, 1 b.....Burley
 Grove, Ethel Marcella, 2 a.....Moscow
 Groves, Richard Eighthme, 1 med.....Boise
 Gunderson, Shirley May, 4 ed.....Huntington, Ore.
 Guske, William Henry, 2 ed.....Moscow
 Gustafson, Ardie Gustaf, 2 ag.....Moscow
 Gustafson, Evon Herbert, 3 ed.....Kellogg
 Guthrie, Isabel Fynette, 2 sm.....Emmett
 Hadden, Gordon Van, 1 f.....Nampa
 Haddock, Frances Lucile, 2 m.....Shoshone
 Haecker, Alma Ethel, 2 ed.....Hope
 Hafterson, Harold Donald, 1 ce.....Lane
 Haga, Margaret Virginia, 3 h.....Boise
 Hagan, Edgar Bernard, 4 ce.....Brooklyn, N. Y.
 Hagan, Ralph Milton, 2 ee.....Brooklyn, N. Y.
 Hagen, Cecil, 3 a.....Spokane, Wn.
 Hagen, Violet Miriam, 1 a.....Spokane, Wn.
 Hager, Roy Leonard, 1 me.....Wallace
 Hague, Walter Bruce, 2 b.....Wardner
 Hahn, Louis Matzen, 1 b.....Twin Falls
 Hale, Stanton Gudman, 1 a.....Boise
 Haley, Ann Jane, 3 s.....Idaho Falls
 Hall, Blanche Idaho, 4 h.....Eagle
 Hall, Curtis Elijah, 1 ce.....Lewiston
 Hall, Dorothy Helen, 4 a.....Spokane, Wn.
 Hall, Georgia Almorine, 4 a.....Pocatello
 Hall, Glenn James, 1 ee.....Melba
 Hall, Howell Turner, 4 ed.....Coeur d'Alene
 Hall, Oliver William, 3 ee.....Moscow
 Hall, Percy Willis, 1 ar.....Moscow
 Hall, Ray Addison, 4 b.....Lewiston
 Hall, Utahna Lillian, 1 a.....Idaho City
 Hall, William Jarvis, 1 med.....Pocatello
 Halley, Kenneth Carswell, 1 b.....Bantry, N. D.
 Halliday, James Stuart, 2 ed.....Malad
 Hamacher, Kathleen Martha, 1 med.....Spirit Lake
 Hamilton, Harold Samuel, 2 ed.....Nampa
 Hamilton, Harry C., 2 b.....Twin Falls
 Hampton, Elvon Wallace, 1 b.....Genesee
 Hanford, Marius Parmelee, Jr., 1 ed.....Lewiston
 Hangauer, Helen Dolores, 1 a.....Spokane, Wn.
 Hankins, Lawrence Donald, 1 ce.....Coeur d'Alene
 Hanley, Anna Teresa, 4 b.....Cottonwood
 Hanna, Kathryn Margaret, 4 a.....Tensed
 Hanson, Catherine Rowene, 3 s.....Grangeville
 Hanson, Helen Ethel, 1 a.....Boise
 Hanson, Ralph Conrad, 2 ar.....Spokane, Wn.
 Harbke, Lillia Mae, 2 ed.....Nezperce
 Hardin, Beatrice June, 2 ed.....Boise
 Hardin, Charles Francis, 1 f.....Kansas City, Mo.
 Harding, Alice Elizabeth, 4 h.....Nezperce
 Harding, Vera Lucile, 3 ed.....Nezperce
 Hardwick, Mac T., 3 ee.....Jerome
 Hare, Myrtle Lola, 1 ed.....Viola
 Hargrove, James Clifton, 2 b.....Weiser
 Hargus, Helen Louis, 3 ed.....Emmett
 Harland, Josephine Amy, 4 a.....Troy
 Harman, Carey Chris, 2 ag.....Moscow
 Harman, Fidelia Ann, 1 ed.....Boise
 Harris, Edward Franklin, 1 b.....Harrison
 Harris, Ilah Pearl, 1 a.....Nezperce
 Harris, Joan Marion, 1 a.....Payette
 Harrison, John Louis, 3 b.....Coeur d'Alene
 Harryman, Clifford Jay, 2 ed.....Lewiston
 Hart, Kathryn Ivy, 1 a.....Rigby
 Hartenbower, Bernice, 1 b.....Caldwell
 Hartling, Jack Park, 2 ee.....Bonners Ferry
 Hatch, Ernest, 3 ee.....Weiser
 Hatch, Miriam Ellen, 1 b.....Spokane, Wn.
 Hatch, Willabelle Mary, 3 ed.....Spokane, Wn.
 Hatfield, Franklin Eldon, 2 a.....Nampa
 Hattrup, Hubert Edmond, 3 ee.....Cottonwood
 Hauck, Bertha Louise, 2 a.....Moscow
 Hauck, Gordon Walter, 2 me.....Moscow
 Haug, Gordon William, 4 ag.....Moscow
 Haugse, Myrtle Gertrude, 3 b.....Sandpoint
 Hausen, Charles Bradstreet, 4 min.....Rupert
 Hawk, William, 1 ed.....Tekoa, Wn.
 Hawkins, James Wesley, 3 med.....Coeur d'Alene
 Hawkins, Jean Purves, 3 ed.....Lewiston
 Hawkins, William Stark, 2 a.....Coeur d'Alene
 Hayden, Marshall Jacob, 4 a.....Pocatello
 Hayes, Teresa Sullivan, 4 a.....Lewiston
 Hays, Glen LaValley, 1 ed.....St. Maries
 Heap, Morgan, 1 b.....Twin Falls
 Heath, Bertrand, 4 b.....Moscow
 Heath, Charles Worth, 1 ag.....Rigby
 Heckathorn, John Henry, 3 ce.....Moscow
 Heckathorn, Mary Ellen, 1 h.....Moscow
 Hegge, Edwin Martin, sp a.....Moscow
 Hegstead, Ralph Borglum, 1 med.....Blackfoot
 Heimsoth, Helen Harriet, 3 a.....Council
 Helfert, Jessie, 4 sm.....Moscow
 Helmer, Ted Vincent, 1 b.....Bonners Ferry
 Hennen, Max Leo, 4 b.....Moscow
 Hennen, Waldo Gerhart, 1 b.....Moscow
 Hensley, Kenneth Robert, 2 ed.....Moscow
 Hephher, William Stanley, 2 f.....Boswell, B. C.
 Herndon, John Charles, 2 a.....Salmon
 Heward, Joseph William, 1 ag.....Grace
 Hibbeln, Paul John, 1 ag.....Orofino
 Higgins, James Joseph, 2 med.....Spencer
 Hilfiker, Helene Wilhelmina, 3 ed.....Filer
 Hilfiker, Herman George, 1 ag.....Filer
 Hill, Edward Brenneisen, 2 f.....Dubois, Wyo.
 Hill, Leonard Matthew, 2 b.....Ashton
 Hill, Ralph Dan, 2 ce.....Spirit Lake
 Hiltbrand, John Wesley, 3 me.....Pocatello
 Himes, Ruby Winifred, 1 a.....Post Falls
 Hirschler, Arthur Edmund, 4 ed.....Eden
 Hirschman, Dorothy Elizabeth, 4 ed.....Ashton
 Hjort, Franklin Andrew, 1 me.....Kooskia
 Hoback, Ford Sebert, 2 ed.....Moscow
 Hobek, Eugene Emmil, 1 ag.....Moscow
 Hockaday, James Morrison, 3 f.....Rupert
 Hodge, Gladys Elaine, 1 ed.....Moscow
 Hodgson, Edward Russell, 2 med.....Spokane, Wn.
 Hodson, Boyd W., 4 ed.....Pocatello
 Hoffman, Aldon Mellroy, 1 b.....Barber
 Hoffman, Fred Charles, 1 b.....Edgemere
 Hoffman, Roger Kenn, 1 ar.....Caldwell
 Hofmann, Alvin Franklin, 1 me.....Moscow
 Hogg, Bess Louise, 1 ed.....Payette
 Hogg, Robert Albert, 3 ce.....Payette
 Hoggan, George C., 1 f.....Lorenzo
 Hogue, Denney Robert, 2 b.....Payette
 Hohnhorst, Henry Charles, 1 ed.....Hazelton
 Hohnhorst, John Jefferson, 1 ed.....Hazelton
 Holden, Robert Sponsler, 3 b.....Boise
 Hollingshead, Laurance Leonard, 1 s.....Boise
 Holm, Glenn Carlos, 1 ag.....Shelley
 Holm, Marvin Glenn, 1 ed.....Kellogg

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Holman, Royal Wiley, 3 b.....Moscow
Holmes, Dolores Elizabeth, 1 a.....Buhl
Holmes, Stells Carpenter, 3 b.....Payette
Homling, Roland Emanuel, 2 ag.....Buhl
Honeywell, Jess McFarland, 2 ed.....Orofino
Honsowetz, Frank William, 1 b.....Harrison
Hoopes, Anna Marie, 3 ed.....Moscow
Hoover, Moss Gooding, 1 a.....Blackfoot
Hopewell, Henry McVicar, 1 a.....
Waterville, Wn.
Hopkins, Jesse Kysor, 1 f.....Rochester, N. Y.
Horning, Theodore Roosevelt, 2 ag.....
Portland, Ore.
Houk, Ray Alexander, 2 ed.....Coeur d'Alene
Houmann, Oscar Bruun, 4 b.....Boise
Houston, Robert Williamson, 4 b.....Gooding
Houtchens, Harold Max, 1 ed.....
Waitsburg, Wn.
Houx, Florence Dale, sp a.....Moscow
Houx, Jewell Lloyd, 3 ed.....Moscow
Hove, Inger, 4 a.....Moscow
Hove, Kermit, 1 s.....
Howard, Forrest Hayden, 3 med.....Pocatello
Howard, Rex Pomeroy, 2 b.....Pocatello
Howe, Hilbert Adolph, 2 sm.....Moscow
Howe, Norma Agnes, 1 a.....Moscow
Howell, Kevin Vilasco, 1 b.....Wilbur, Wn.
Howell, Ward Kenneth, 3 ed.....Moscow
Howerton, Miriam Dawn, 4 a.....Jerome
Hubbard, John Maitland, 3 ed.....Dayton, Wn.
Huber, George Losie, 3 a.....Kellogg
Hudelson, Vernon Lee, 4 ed.....Cambridge
Huefner, Leah Irene, 1 a.....Kellogg
Huff, Oliver Theodore, 2 med.....Lewiston
Hughes, Olive Louise, 2 ed.....Gooding
Huggins, Edward Eugene, 1 med.....Rupert
Hulbert, Jabez Seldon, 1 b.....Boise
Hult, Orville Leroy, 3 ed.....Burley
Hume, John Fred, Jr., 3 f.....Nelson, B. C.
Hummer, Elizabeth Gertrude, 1 sm.....Boise
Humphrey, Elmer Newton, 2 ag.....Moscow
Humphrey, Martha Macneal, 3 ed.....Gooding
Humphrey, Thomas Watson, 4 s.....Gooding
Humphreys, Josephine Elizabeth, 3 b.....
Moscow
Hunt, Donnell Hodge, 2 s.....Moscow
Hunt, Ernest Frank, 3 med.....Meridian
Hunter, Harold Vance, 2 f.....Emporia, Kan.
Hunter, Julia Glenn, 2 a.....Moscow
Hunter, Rosel, Hyrum, 2 ag.....Oakley
Hurley, Edward Emmett, 1 ed.....Montpelier
Hurley, Lucy Frances, 4 h.....Montpelier
Hurst, Emory Gordon, 1 s.....New Plymouth
Hutchings, Samuel Cole, 1 ar.....Lewiston
Hutchins, Dan Wallace, 1 b.....Coeur d'Alene
Hutchinson, Paul Vernon, 3 med.....
Chewelah, Wn.
Illichevsky, George J., 4 f.....Moscow
Ingle, Dwight Joyce, 4 ed.....Kendrick
Ingle, Gerald Adams, 1 b.....Kendrick
Ingram, Ellen Matilda, 1 b.....Eden
Iorns, William Vaughn, 4 ce.....Glenns Ferry
Irwin, Forrest Samuel, 1 a.....Nampa
Iverson, Eugene Charles, 3 min.....Kellogg
Jackson, Alfred Wright, 3 ag.....Rupert
Jackson, Hugh Cahill, 1 ed.....Dayton, Wn.
Jacobs, Fred Albert, 4 s.....
Santa Barbara, Cal.
Jacobs, Harold John, 1 ed.....Moscow
Jacobs, Helen, 1 a.....St. Anthony
Jacobsen, Noland Adolph, 2 ag.....Payette
Jain, Lela Grace, 4 a.....Genesee
James, Corland Lehman, 1 f.....Spokane, Wn.
Janssen, Allen Sheeley, 4 ar.....Boise
Janssen, Dorothy Mae, 1 b.....Huston
Jarboe, Edward William, 1b.....Pocatello
Jasper, Terrell Thomas, 1 ag.....Meridian
Jeffries, Mary Agnes, 3 ed.....Odessa, Mo.
Jenks, Rachel Elizabeth, 3 m.....Lewiston
Jenny, John Alois, 1 b.....Cottonwood
Jensen, Chandler Vernon, 1 f.....Cascade
Jensen, Cora Millissa, 2 a.....Twin Falls
Jensen, Herman Andrew, 1 b.....Orofino
Jensen, Nathan Kenneth, 1 b.....Rupert
Jensen, Theodore John, 3 ed.....Blackfoot
Jeppsen, Myron Alton, 3 s.....Moore
Jeppsen, Vernon Kermit, 1 a.....Moore
Jessup, Thomas Lavern, 1 b.....Cottonwood
Jockheck, Carl Frederick, Jr., 1 b.....
Elk River
Johnson, Alma Faye, 2 ed.....Moscow
Johnson, Amne Berthe, 3 a.....Pocatello
Johnson, Bradley White, 3 ch.....Rigby
Johnson, Charles Lowell, 1 ag.....Meridian
Johnson, Elmer Hans, 2 ed.....Harvard
Johnson, Erval William, 4 ee.....
Longview, Wn.
Johnson, George William, 3 ag.....
Coeur d'Alene
Johnson, John Oliver, 2 b.....Coeur d'Alene
Johnson, Jolene, 1 ed.....Coeur d'Alene
Johnson, Margarette Lucile, 2 a.....Nezperce
Johnson, Moses Melville, 4 g.....Council
Johnson, Robert Bailey, sp f.....Moscow
Johnson, Roy Albert, 1 g.....Moscow
Johnson, Samuel Lee, 2 g.....Hagerman
Johnson, Sylvia, 3 a.....Genesee
Johnston, Esther Frances, 1 h.....Boise
Johnston, Sarah Marguerite, 1 ed.....Moscow
Jones, Ada, 3 ed.....Malad
Jones, Estelle Anne, 2 ed.....Boise
Jones, Esther Katherine, 3 m.....Spokane, Wn.
Jones, Harry Edward, 4 b.....Spokane, Wn.
Jones, Kenneth Paul, 3 ed.....Emmett
Jones, Kenneth Ray, 4 ee.....Blackfoot
Jones, LeRoy, 4 b.....Malad
Jones, Lewis Paul, 1 ed.....Twin Falls
Jones, Louise Barbara, 1 ed.....Boise
Jones, Marjorie Alene, 1 h.....Palouse, Wn.
Jones, Paul Edward, 1 a.....Newberg, Ore.
Jones, Paul Everett, 1 a.....Twin Falls
Joray, Phillip Augustus, 1 ee.....Bluffton, Ind.
Jossis, Sigrid Axel, 1 b.....Meridian
Jouno, Russell John, 3 ag.....Spokane, Wn.
Judy, Frank Edward, 2 ed.....Lewiston
Jugueta, Tiburcio Seco, 1 s.....
St. Alabat, P. I.
Jullion, George Paul, 1 b.....Eagle
Jurries, Howard LeRoy, 1 ee.....Parma
Kalousek, George Lawrence, 3 ch.....Buhl
Kantola, Edward Emlin, 3 ag.....Arling
Kayser, Wilburn Lewis, 4 ag.....Palouse, Wn.
Kearns, Katherine Mary, 1 a.....Spokane, Wn.
Kearns, Margaret Mary, 2 s.....
Spokane, Wn.
Keegan, Margaret Elizabeth, 1 b.....Burke
Keeler, Donald Eugene, 2 med.....Payette
Keene, Edward Louis, 4 f.....Providence, R. I.
Keller, Flora, 1 b.....Spokane, Wn.
Kelley, Dean Pritchard, 3 ee.....Rexburg
Kelley, Ray Hansen, 2 med.....Rexburg
Kellogg, Theodore Jennings, 1 ed.....King Hill
Kelly, Alice Rosemary, 4 h.....Spokane, Wn.
Kendall, Bernice L., 3 ed.....St. Maries
Kendrick, Jay Emerson, 1 b.....
LaGrande, Ore.
Kennedy, Fred Henry, 4 f.....Ashton
Kennedy, Howard Ross, 2 ed.....Fresno, Cal.
Kennedy, Lois Gordon, 2 a.....Chicago, Ill.
Kenworthy, Kenneth Paul, 2 ee.....Twin Falls
Kerby, Fred Melvin, 1 f.....Cascade
Kerr, Helen Josephine, 3 a.....Moscow
Kerr, Mercer, 1 a.....Idaho Falls
Kershnik, William, 3 ed.....Burley
Kiebert, Martin Peter V., 1 s.....Wallace
Kieldsen, Harriet, 3 h.....Boise

- Kienholz, Dorothy Mildred, 3 b.....Moscow
 Kienholz, Mabel Gertrude, 4 a.....Moscow
 Kildea, York Alphonsus, 1 a.....Coeur d'Alene
 Kimball, Stuart Fairchild, 2 b.....Orofino
 Kincaid, Josephine May, 3 h.....Lewiston
 King, Mary Ellen, 2 a.....Boise
 King, Mildred Grace, 1 ed.....Moscow
 Kinney, Richard William, 1 ed.....Cambridge
 Kirklin, Harold Lincoln, 2 sm.....Wallace
 Kirkpatrick, Allan Elwyn, 2 ee.....St. Maries
 Kirkpatrick, Lester Henry, 2 b.....Park
 Kirtley, Charles Gordon, 3 met.....Challis
 Kitley, Jack Donald, 1 ed.....Ventura, Cal.
 Klepinger, Franklin Webster, 3 f.....Clayton, Ohio
 Kleweno, Arthur Peter, 1 a.....Genesee
 Kline, Millicent Martha, 3 ed.....Twin Falls
 Klinger, Willard Calvin, 4 ee.....Hailey
 Klock, Gillies Franklin, 2 b.....Canastota, N. Y.
 Knight, Leland Ardell, 1 a.....Bonners Ferry
 Knox, William Ward, 2 ed.....Glenns Ferry
 Koester, Bryan Boardman, 1 b.....Spokane, Wn.
 Kohout, Mary Katherine, 1 n Ontario, Ore.
 Koster, Albert Edward, 4 ag.....Moscow
 Kraemer, Marcella Evelyn, 3 a.....Plummer
 Krebs, Frances Winnette, 2 a.....Sandpoint
 Kremkau, George Frederick, 1 ed.....Sandpoint
 Kroll, Alvin Fred, 3 met.....Coeur d'Alene
 Krueger, Otto Carl Frederick, 4 f.....Rio Linda, Cal.
 Krummes, William Theodore, 3 f.....Boise
 Kryger, Arthur, 3 b.....Coeur d'Alene
 Kuckku, Morris Edward, 2 med.....Emmett
 Kugler, John Christ, 2 ee.....Rathdrum
 Kurdy, Helen Margarie, 1 ed.....Cottonwood
 Kurdy, Thomas Jonathan, 2 b.....Cottonwood
 Kyselka, Carl, 3 s.....Nespelem, Wn.
 Lacy, Henry Ambrose, 2 me.....Buhl
 Ladd, Arthur Folk, 1 ed.....Cataldo
 Lafferty, Ethel Stanford, 4 a.....Spokane, Wn.
 LaFond, Winifred Beth, 3 a.....Nampa
 Laird, Lyndon, 1 b.....Dubois
 Lake, Nyol Elwyn, 3 ed.....Blackfoot
 Lamielle, Louise Elizabeth, 4 a.....Kellogg
 LaMonte, Albert Vern, 1 ee.....Filer
 Lancaster, Joseph Glover, 2 ee.....Spokane, Wn.
 Lancaster, William Truscott, 1 me.....Spokane, Wn.
 Langdon, Alwilda, 4 a.....Lewiston
 Lange, Lawrence Herman, 4 met.....Spokane, Wn.
 Langer, Charley Joseph, 3 f.....Moscow
 Lansberry, Julius Robert, 3 a.....Moscow
 Lantzy, Percy Phillip, 4 ee.....Moscow
 Lappin, Alice Margarette, 1 ed.....Council
 Larkam, Sara Lois, 4 a.....Culdesac
 Larsen, Elsie Louise, 3 a.....Moscow
 Larson, Carl Henry, 4 b.....Spirit Lake
 Larson, Carl Olof, 2 ce.....Spokane, Wn.
 Larson, Frances Detlor, 1 a.....Weiser
 Larson, James Kenneth, 3 a.....Malad
 Larson, Lillian Alice, 1 ed.....Bonners Ferry
 Larson, Myrtle Bueletta, 1 ed.....Genesee
 Larson, Ruth M. Varnes, 2 a.....Eden
 Laughlin, Beverly Frances, 2 ed.....Spokane, Wn.
 Laughlin Kyle Emmett, 2 med.....Moscow
 Lawrence, Everett Clark, 4 b.....Jerome
 Lawson, Archie, 1 b.....Wilder
 Laxton, Aurrel Lillian, 1 ed.....Rupert
 Layne, Clarence Nathaniel, 2 b.....Buhl
 Layne, Claude Morgan, 2 b.....Buhl
 Leach, Jesse William, 1 me.....Bonners Ferry
 Leaton, William Duncan, 3 met.....Challis
 LeBarron, Russell Kenneth, 2 f.....Bismarck, N. D.
 Lechat, Robert Louis, 3 a.....Boise
 Lee, Charles Albert, 1 s.....Landsay, Cal.
 Lee, Gordon Douglas, 2 g.....Franklin
 Lee, Harold Eugene, 4 met.....Medford, Mass.
 Lee, Jack Charles, 1 a.....Lewiston
 Lee, Patricia Edith, 2 b.....Bellevue
 Lefever, Mary Charlotte, 2 a.....Cascade
 Leigh, Virginia, 1 h.....Spokane, Wn.
 Leithe, Carl Clemens, 1 a.....Coeur d'Alene
 Le Moynes, Charles Jr., 1 ce.....Boise
 Lemp, Bernard Louis Jr., 1 b.....Boise
 Leonard, Carl George, 3 ag.....Filer
 Leute, Catherine Faber, 1 b.....Pocatello
 Levander, Jack Howard, 3 ed.....Cascade
 Lewis, Mont Edmond, 2 ag.....Oakley
 Lewis, Reed Hunter, 1 ag.....Oakley
 Leyrer, Anna Muriel, 1 a.....Moscow
 L'Herisson, Valetta Agnes, 1 h.....Jerome
 Libby, Olive Furness, 2 ed.....Sandpoint
 Lindberg, Fred A., 2 ee.....Post Falls
 Lindsay, Clive John, 3 f.....Hazelton
 Lindquist, Oscar Elfin, 1 ed.....Moscow
 Little, Aida Mary, 1 a.....Spokane, Wn.
 Little, Andrew Sproat, 1 ag.....Emmett
 Little, Georgie, 3 a.....Boise
 Little, Jessie, 3 ed.....Emmett
 Litzenberger, Eva Margaret, 4 ed.....Colfax, Wn.
 Livingston, Homer Carr, 1 b.....Moscow
 Locke, Gladys Genevieve, 2 b.....Idaho Falls
 Lockwood, Mary Esther, 3 h.....Gifford
 Lockwood, Milton Cutts, 3 s.....Orofino
 Logan, Edward Albert, 1 b.....Harrison
 Logan, James Sterling, 3 a.....Bliss
 Lohman, Anyer John, 1 b.....Kellogg
 Long, Frances Cora, 2 h.....Boise
 Long, Jere James, 4 b.....Twin Falls
 Longeteig, Estel Lorraine, 1 ed.....Moscow
 Loosli, Clayton Gurr, 2 med.....Marysville
 Lord, Philip Burt, 2 f.....Los Angeles, Cal.
 Louis, Rose Mary, 1 a.....Coeur d'Alene
 Lucich, Lucy, 1 h.....King Hill
 Luke, Cornell Leroy, 3 s.....Moscow
 Luke, Irene, 1 h.....Moscow
 Lundquist, Raynard Victor, 4 ch.....Moscow
 Lupton, Marvin Carroll, 1 ed.....Nampa
 Luz, Manuel Lorenzo, 1 ee.....Laoag, Ilocos Norte, P. I.
 Lyle, James McCampbell, Jr., 4 med.....Lewiston
 Lynch, Charles Thomas, 3 b.....St. Anthony
 Lyons, Philip James, 1 ed.....Kooskia
 McArthur, Merritt Hillierd, 4 ee.....Moscow
 McAtee, Frank James, 1 med.....Twin Falls
 McAuley, Charles Edwin, 2 a.....Emmett
 McBirney, Mary Elizabeth, 2 h.....Meridian
 McBirney, William Robert, 3 ag.....Boise
 McBride, Robertson Lee, 1 med.....Kellogg
 McCabe, Ralph J., 3 med.....Moscow
 McCall, Clarence Joseph, 4 b.....Caldwell
 McCall, W. Murlyn, 1 b.....Pasadena, Cal.
 McCannon, Hazel Mary, 1 ed.....Moscow
 McCannon, Helen Charlotte, 1 ed.....Moscow
 McCarty, Bonnie Belle, 1 ed.....Boise
 McCauley, Dorothy Elma, 2 ed.....Moscow
 McClain, Marjorie Alice, 2 a.....Joseph, Ore.
 McClain, Susan Elizabeth, 2 ed.....Twin Falls
 McClure, Delbert William, 1 ed.....Potlatch
 McClurg, Harold Victor, 1 ed.....Farmington, Wn.
 McClusky, David Albert, 1 s.....Buhl
 McClusky, Raymond Kenneth, 1 ed.....Lewiston
 McClusky, Robert Earl, 1 s.....Buhl
 McComb, Jane Marian, 3 a.....Troy
 McConnell, Charles, 2 a.....Moscow
 McCoy, Elvis Wilson, 1 ag.....Moscow

LIST OF STUDENTS

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McCoy, Wayne Alexander, 3 ee...Moscow
 McCoy, William Alexander, 2 min...San Francisco, Cal.
 McCrea, Ina Mae, 2 ed...Spokane, Wn.
 McCrory, LaFayette Develz, 2 ed...Kellogg
 McDaniel, Warren Benton, 1 ar...Spokane, Wn.
 McDonald, Earl William, 2 ag...Fenn
 McDonald, George, 3 a...Moscow
 McDonald, John Bowen, 1 a...Pocatello
 McDowell, Helen, 2 ed...Twin Falls
 McDowell, Kenneth John, 4 a...San Francisco, Cal.
 McFadden, Luella, 3 a...Hailey
 McFarland, Dorothy Eva, 1 s...Spokane, Wn.
 McGinty, Norman Wesley, 2 ee...Moscow
 McGonigle, Marion Anna, 3 h...Spokane, Wn.
 McGonigle, Thomas John, 4 ch...Spokane, Wn.
 McGrane, Frank Thomas, 4 b...Grangeville
 McGrath, Dan Lincoln, 3 a...Wallace
 McGraw, Virginia Angle, 1 ed...Kendrick
 McKay, Mary Elizabeth, sp n...Moscow
 McKiernan, Agnes Cletus, 1 m...Pomeroy, Wn.
 McKeown, Frank Stratton, 2 b...Wallace
 McGrath, Harold Lee, 4 met...Wallace
 McLean, Mildred Mary, 1 ed...Hammett
 McLeod, Constance Emily, 1 ed...Caldwell
 McLeod, Katherine, 3 ed...Kamiah
 McMahan, Marguerite Zeta, 1 m...Nampa
 McMillin, Frank, 3 b...Pocatello
 McMillan, Gertrude Lucille, 1 a...Burley
 McPhillamey, Wallace Frederick, 2 ee...Sheridan, Wyo.
 McQuade, Jack Francis, 2 s...Pocatello
 Mack, Quentin Winfield, 1 med...Boise
 Madison, Loretta, 1 a...Moscow
 Maggart, Isabell Rebecca, 4 h...Burley
 Magnuson, Ralph Loren, 1 ag...Worley
 Maguire, Virginia Lee, 1 a...Spokane, Wn.
 Mahle, Julius William, 1 b...Spokane, Wn.
 Mahngar, Bachittar Singh, 2 ag...Punjab, India
 Mains, Helen Elizabeth, 1 a...Boise
 Manning, James Henry, 4 ed...St. Joe
 Manning, Joseph Howard, 1 ag...Burley
 Manning, Laura Gail, 4 ed...Ashton
 Manning, Laurance Rodman, 3 b...Ashton
 Marchesi, Kenneth Hugh, 4 b...Kellogg
 Mark, Frederick Albert, 2 ag...Blackfoot
 Mark, William David, 4 g...Blackfoot
 Marker, Earl James, 2 b...Mackay
 Marker, George Clifford, 1 ee...Coeur d'Alene
 Marsh, Frank Abram, 4 g...Moscow
 Marshall, Mary Annie Laurie, 3 ed...Lewiston
 Martin, Elmer Henry, 2 ed...Boise
 Martin, Ned Loraine, 1 b...Rathdrum
 Martin, Paris Townsend, 1 a...Boise
 Martinez, James Paul, 1 f...Taos, N. M.
 Martinson, Anne Emelia, 2 ed...Coeur d'Alene
 Mason, Lowell Wesley, 3 ed...Woodland
 Mathewson, John Whitley, 1 med...Wendell
 Matsen, Gilbert, 1 ee...Burley
 Mattes, Katherine Ellen, 3 a...Spokane, Wn.
 Matthews, Arthur Ray, 4 law...Boise
 Matthews, James Boyd, 2 b...Caldwell
 Mattson, Ernel Pearl, 1 h...Caldesac
 Maughan, Alfred Nielsen, 3 ag...Weston
 Maurer, Fred D., 1 med...Moscow
 Maxey, Stewart Sherman, 4 law...Caldwell
 Maxfield, Ray Austin, 1 g...Pasco, Wn.
 Maxwell, Mark Mahlon, 1 b...Parma
 Mayer, Orland Clayton, 4 ee...Genesee
 Mays, Emlen G., 3 ae...Howe
 Meeker, Evelyn Jeannette, 1 a...San Francisco, Cal.
 Megquier, Lawrence William, 1 b...Bonners Ferry
 Meisner, Racheal Mary, 2 ed...Moscow
 Melgard, Helen Winifred, 3 a...Moscow
 Melgard, Thelma Solveig, 2 a...Moscow
 Mellinger, Ardith Reed, 1 h...Spokane, Wn.
 Meneely, James Franklin, 2 ee...Moscow
 Mennet, Earl Frank, 3 ed...Lewiston
 Mercer, Bruce Royal, 4 me...Moscow
 Merriam, Virginia Agnes, 2 a...Wallace
 Merrick, George Henry, 4 ed...Ashton
 Messenger, Dorothy Elizabeth, 4 ed...Moscow
 Metzgar, Bud Hawthorne, 1 ed...Kellogg
 Metzgar, Jack Doyle, 1 b...Kellogg
 Middleton, Arthur Wesley, 1 ag...Weiser
 Middleton, John Robert, Jr., 1 ee...Boise
 Mihelich, Lewis, 1 med...Mullan
 Mikkelsen, Katherine Caroline, 1 b...Lewiston
 Miles, Basil Burns, 1 ar...Coeur d'Alene
 Miller, Frank Crowley, Jr., 4 ee...Salmon
 Miller, George William, 3 ee...Hagerman
 Miller, Heloise Susan, 1 a...Twin Falls
 Miller, Leon, 4 a...Somerville, Mass.
 Miller, Lois Ailene, 2 ed...Moscow
 Miller, Mary Georgette, 3 h...Nampa
 Miller, Richard Bauer, 2 f...Salmon
 Miller, Ruth Annetta, 2 ed...Boise
 Minear, Frances Elma, 2 ed...Fairfield
 Minger, Dorothy Dee, 3 a...Boise
 Mingo, Stewart Duncan, 1 a...Moscow
 Minkler, Alben Page, 2 ar...Smith's Ferry
 Minnoch, Dorothy Lavon, 1 a...Ogden, Utah
 Miranda, Dominic Louie, 1 a...Lewiston
 Mitchell, Constance Alisoun, 1 a...Moscow
 Mitchell, Esther Fisk, 2 n...Moscow
 Mitchell, James Morris, 2 b...Parma
 Mitchell, Lutie Mae, 2 m...Nezperce
 Mitchell, Margaret Mary, 4 s...St. Maries
 Mitchell, Robert Edward, 2 ed...Twin Falls
 Mitchell, Ruth Adelaide, 2 b...Boise
 Mix, Leslie Boyce, 1 ag...Moscow
 Molander, Emery Irving, 1 a...Buhl
 Monk, Joe Clyde, 1 b...Spokane, Wn.
 Moody, Catherine Augusta, 2 a...Sandpoint
 Moore, Agnes Gay, 3 ed...Gooding
 Moore, Ardath Carol, 1 a...Ashton
 Moore, Bertha Free, 1 a...Wallace
 Moore, Burton L., 4 a...Boise
 Moore, Daisy Louise, 1 b...Sandpoint
 Moore, James Arthur, 4 a...Cottonwood
 Moore, Robert Andrew, 4 ag...Boise
 Moore, Robert, 1 ar...Cascade
 Moore, William Cloud, 3 b...Wallace
 Morgan, Lewis Drexel, 1 ag...Lewiston
 Morgenroth, Earl Simon, 1 f...Perham, Minn.
 Morice, Archie John, 1 b...Naples
 Morley, Maurice Joseph, 2 a...Idaho Falls
 Morris, Josephine, 3 ed...Spokane, Wn.
 Morris, Ruth Mellinger, 1 a...Moscow
 Morse, Clara Florence, 1 b...Moscow
 Morse, Dorothy Lou, 1 ed...Moscow
 Morse, Karleen Gwendolyn, 3 a...Rupert
 Morse, Kenneth Frank, 2 ce...Sandpoint
 Mortenson, Ruth Victoria, 2 a...Moscow
 Mosher, Vivienne Claire, 4 a...Boise
 Mosman, May Teresa, 3 b...Moscow
 Mosman, Ormond John, 3 ag...Moscow
 Moss, Anthony Bartlett, 2 ag...Payette
 Moss, Virgil Daniel, 2 f...Fairfield, Wn.
 Mouat, Helen Frances, 1 ed...King Hill
 Moulton, Esther Elizabeth, 2 a...Kennewick Wn.
 Mount, Jay Alfred, sp s...Spokane, Wn.
 Mudgett, Grace Thelma, 4 b...Moscow
 Mullikin, Clifford James, 1 s...Troy

- Murdoch, Brigham Dallas, 1 ag.....Ashton
 Murphy, Albert Marion, 4 ag.....Twin Falls
 Murphy, Mary Elizabeth, 2 a.....Seattle, Wn.
 Mushlitz, Arba Robert, 4 ee.....Troy
 Muzzy, Maurice Franklin, 3 ch.....Spokane, Wn.
 Myers, Mary Elizabeth, 2 ed.....Caldwell
 Myers, Velma Frankie, 2 ed.....Moscow
 Myklebust, Ida Josephine, 2 ed.....Troy
 Myrene, Clarence Fred, 4 g.....Spokane, Wn.
 Nash, Alice, 1 ed.....Boise
 Nass, Herman William, 3 b.....Outlook, Wn.
 Neal, Dorothy Carol, 3 h.....Meridian
 Neal, Edgar Henry, 4 ae.....Arco
 Neal, Mary Virginia, 2 b.....Boise
 Nedros, Edwin, 4 ed.....Moscow
 Nedros, Neal, 2 ed.....Moscow
 Nehrer, True Leo, 1 b.....Boise
 Neifert, Lenora, 1 b.....Ashton
 Neilson, Thomas Fenton, 1 b.....Los Angeles, Cal.
 Nelson, Avis Watt, 4 a.....Portland, Ore.
 Nelson, Carl Augustine, 4 b.....Moscow
 Nelson, David Reynold, 3 a.....Moscow
 Nelson, Edythe Dale, 2 ed.....Moscow
 Nelson, Emma Viola, 4 a.....Moscow
 Nelson, Harold Theodore, 3 ce.....Wallace
 Nelson, Krista Henriett, 3 s.....Bellevue
 Nelson, Maurice Austin, 4 b.....Boise
 Nelson, Robert Platt, 1 ae.....Moscow
 Nettleton, Vida Derflinger, 3 ed.....Moscow
 Neuman, Carl Augustus, 2 ch.....Sandpoint
 Newcomb, Zelda Grace, 3 a.....Rupert
 Newcomer, Fred Riggle, 2 f.....Banner, Wyo.
 Newhouse, Ruth Irene, 3 a.....Kuna
 Newman, Nina Kelso, 2 m.....Twin Falls
 Newman, Olive Albertina, 2 b.....Boise
 Nicolson, Charles Murray, 1 a.....Portland, Ore.
 Nichols, Alta Genevieve, 2 ed.....Viola
 Nicholson, Carl Emil, 2 b.....Boise
 Nicholson, Donald Eugene, 2 b.....Star
 Nicholson, John Douglas, 3 min.....Cascade
 Nicholson, June Elizabeth, 2 b.....Moscow
 Nicolas, Serviliano Manuel, 1 f.....Laoag, I. N., P. I.
 Niedermeyer, Harold Oliver, 2 ch.....Post Falls
 Nielsen, Virginia, 2 h.....Idaho Falls
 Nilson, Marcus, 1 ce.....Moscow
 Nilson, Oscar N., 1 b.....Moscow
 Nims, Raymond Possion, 4 ed.....Lewiston
 Nixon, Dorothy Celestia, 3 ed.....Pocatello
 Nixon, Grace Virginia, 3 a.....Genesee
 Nixon, Robert Michell, 1 b.....Twin Falls
 Noble, Harriet Louise, 1 ed.....Moscow
 Noel, Francis William, 1 s.....Spokane, Wn.
 Nonini, Francis Vitto, 3 ed.....Mackay
 Norby, Arthur Marvin, 2 b.....Rupert
 Nordby, Mabel Bernice, 1 a.....Genesee
 Norrell, Byron Mitchell, 1 b.....Mountain Home
 Norman, John Earl, 3 g.....Wallace
 Norstrom, Glen Carol, 1 ag.....Soda Springs
 Northby, Walter Latham, sp s.....Clearwater, Fla.
 Nunemaker, Jack Coleman, 1 med.....Twin Falls
 O'Brien, James R., 4 ed.....Lewiston
 O'Hara, Alice Katherine, 1 b.....Moscow
 O'Leary, Kenneth Webster, 2 ed.....Boise
 O'Neil, Kenneth H., 4 a.....Medford, Ore.
 Oberg, Carl Allen, 1 ed.....Moscow
 Okerstrom, Bertie Erick, 1 ce.....Coeur d'Alene
 Olin, Robert Winslow, 3 ce.....Culdesac
 Oliver, Florence Irene, 4 h.....Moscow
 Oliver, Lucien Everett, 2 b.....Moscow
 Oliver, Marguerite Isabelle, 4 ed.....Moscow
 Olmstead, Ralph Lee, 1 ag.....Plummer
 Olmstead, Ralph Webb, 1 a.....Meridian
 Olson, Dorothy Ellen, 3 h.....Spokane, Wn.
 Olson, Kenneth Edward, 1 ed.....Moscow
 Olson, Kermit Ferdinand, 1 ag.....Nezperce
 Ormay, Albert Charles, 1 a.....Boise
 Ormsby, Ralph Homer, 2 b.....Twin Falls
 Osgood, Emily Berneice, 2 h.....Boise
 Osterberg, Erick Gothe, 2 b.....Coeur d'Alene
 Ostrander, Harold Raymond, 2 med.....Spokane, Wn.
 Otness, Bernard Milton, 1 ag.....Moscow
 Otness, George Louis, 4 b.....Moscow
 Otter, Floyd Leslie, 4 f.....Moscow
 Otter, Joyce Harriet, 2 s.....Moscow
 Otter, Myrtle, sp a.....Moscow
 Oud, John Bert, Jr., 2 ed.....Orofino
 Ouse, Hazel May, 4 ed.....Genesee
 Owens, Harry Sutphin, 2 ch.....Montpelier
 Owens, Herbert Evan, 2 ed.....Twin Falls
 Owens, Margaret Ann, 3 a.....Twin Falls
 Ownbey, Hazel Lucille, 2 ed.....Boise
 Packenham, Bethel Joy, 2 a.....Boise
 Packer, Harold Vernon, 2 a.....Nampa
 Palmer, Ernest Joseph, 2 ag.....Malad
 Palmer, Viola, 3 ed.....Malad
 Palmerton, Lowell Miles, 1 ed.....Coeur d'Alene
 Pangborn, Redmond James, 2 me.....Tacoma, Wn.
 Papesh, Beulah Elizabeth, 3 ed.....Kellogg
 Pardue, Arlie Austin, 3 ar.....Craigmont
 Pardue, Verna Delia, 1 a.....Craigmont
 Parish, Bernice Aldene, 3 a.....Buhl
 Park, Charles Raymond, 4 a.....Idaho Falls
 Parker, Edwin John, 2 me.....Moscow
 Parker, Ernest Thompson, 1 me.....Moscow
 Parker, Horace Newman, 1 a.....Grangeville
 Parker, Jack Thomas, 3 b.....Lewiston
 Parks, Paul Marion, 3 ed.....Culdesac
 Paroz, Henriette Marguerite, 3 a.....Potlatch
 Parrott, Helen Arlene, 1 a.....Twin Falls
 Parsons, Grace McClintock, 2 a.....Moscow
 Parsons, Harold Charles, 2 me.....Hagerman
 Patch, Jesse Harrison, 1 b.....Boise
 Patchen, Glenn Oliver, 2 me.....Careywood
 Patchen, Mable Ruth, 1 ed.....Coeur d'Alene
 Paterka, Pauline Harriet, 2 m.....Republic, Wn.
 Patric, Dorothy Irene, 1 a.....Snohomish, Wn.
 Patric, James Michael, 1 b.....Idaho Falls
 Paulsen, Chris Lowell, 1 ed.....Pocatello
 Paulsen, Herbert Walter, 1 ch.....Lewiston
 Pearce, Beatrice, 3 ed.....Washtucna, Wn.
 Pearce, Beulah, 2 h.....Washtucna, Wn.
 Pearce, Thelma Bernadine, 1 a.....Kellogg
 Pearson, Joe S., 2 a.....Spokane, Wn.
 Peavey, Arthur Jacob, Jr., 4 law.....Twin Falls
 Pechanec, Joseph Frank, 2 f.....Nampa
 Peck, Lawrence Layne, 3 s.....Buhl
 Peck, Virginia Inadine, 2 med.....Buhl
 Pedersen, Waldemar Ambrose, 1 ed.....San Mateo, Cal.
 Pence, Gladys Taylor, 3 ed.....Payette
 Pence, Peter Munson, 1 a.....Payette
 Perkins, Dorothy Sidney, 2 ag.....Jerome
 Perovich, Paul, 3 b.....San Jose, Cal.
 Perrins, Melvin Samuel, 4 ed.....Albion
 Petersen, James Morton, 4 ce.....Moscow
 Petersen, William Arthur, 2 ed.....Pocatello
 Peterson, Arthur Martin, 1 b.....Potlatch
 Peterson, Edward, 3 ar.....Kellogg
 Peterson, Elwyn George, 1 b.....Boise
 Peterson, Ernest Dean, 1 ce.....Aberdeen
 Peterson, Fritz B., 4 ce.....Aberdeen
 Peterson, Ina Millicent, 1 a.....Moscow
 Peterson, Kenneth Landys, 2 b.....Moscow
 Peterson, Maurine Laura, 1 n.....Potlatch
 Peterson, Phyllis Joanna, 1 ed.....Pocatello
 Peterson, Ralph Nicholas, 4 a.....Harrison
 Peterson, Robert William, 2 a.....Moscow
 Petzoldt, Paul Kiesow, 1 a.....Kimberly

LIST OF STUDENTS

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- Pfost, Cecil Anderson, 4 b.....Cambridge
 Philippi, Frances Eleanor, 2 b.....Lewiston
 Pickrell, Estelle Marguerite, 4 a.....Spokane, Wn.
 Pierce, Dorothy Kenworthy, 1 ed.....Twin Falls
 Pierce, Wallace Hamilton, 1 med Cottonwood
 Pierce, Wellington Cochrane, 4 b.....St. Louis, Mo.
 Piercy, Watt Henry, 2 med.....Boise
 Pierre, Walter Louis, 3 a.....Wallace
 Pierson, Sidney Luthy, 2 b.....Preston
 Pitt, Gladys Eva, 1 ed.....Moscow
 Pittman, William Henry, 4 law.....Moscow
 Pizey, Pauline Martha, 2 h.....Boise
 Plato, Elton Sheffield, 4 ed.....Bonners Ferry
 Platt, Kenneth Batdorf, 3 ag.....Genesee
 Platt, Norman Bruce, 2 ee.....Parma
 Platt, W. Emerson, 4 ed.....Caldwell
 Plumlee, Roy Grant, 3 ed.....Burke
 Pohlman, Frances Amelia, 2 ed.....Hollister
 Pohlman, John Edward, 1 b.....Hollister
 Pohlman, John Victor, Jr., 1 b.....Spokane
 Pontius, Rex Burns, 1 s.....Lewiston
 Pool, Ruby Ellen, 2 h.....Dayton, Wn.
 Poole, Clyde Emmet, 1 a.....Dayton, Wn.
 Porter, Jay, 1 b.....Spokane, Wn.
 Porter, Harry Allison, 4 a.....Wendell
 Porter, Horace Macklin, 4 b.....Moscow
 Porterfield, Lois Marie, 1 a.....St. Maries
 Poston, Elmer Erwin, 3 b.....Elk Grove, Cal.
 Potter, Russell Francis, 2 ed.....Twin Falls
 Poulton, Edward Eli, 3 law.....Churchill
 Powell, George Henry, 4 ag.....Blackfoot
 Power, Wilson Huntley, 2 g.....Spokane, Wn.
 Pratt, Florence Elizabeth, 1 h.....Grangeville
 Prewitt, Joseph Robert, 2 law.....Ritzville, Wn.
 Price, Walter John, 2 ed.....Malad
 Prichard, Theodore Jan, sp a.....Thief River, Falls, Minn.
 Priebe, Melcher Walter, 4 ed.....Twin Falls
 Procopio, Carmen Peter, 2 ag.....Harrison
 Prouty, Charles Clarence, sp ag.....Moscow
 Pugh, Donald Byron, 1 b.....Springston
 Puhl, Jack Richard, 1 a.....Port Angeles, Wn.
 Raby, Prudence Matilda, 1 b.....Weiser
 Rach, Myrtle Irene, 3 ed.....Moscow
 Rae, Esther Olga, 1 ed.....Coeur d'Alene
 Rafter, Michael James, 1 s.....Boise
 Ragan, Ruth Marie, 2 ed.....Lewiston
 Ramos, Roman Bolompo, 1 ce.....Bauan, Botangas, P. I.
 Ramstedt, Agnes Matilda, 1 m.....Moscow
 Ramstedt, Bernard Nathaniel, 1 b.....Moscow
 Ramstedt, Ruth Anna, 3 ed.....Moscow
 Randall, Donald Duncan, 4 b.....Moscow
 Randall, John Laverne, 1 ed.....Moscow
 Randall, Lester James, 1 ag.....Yakima, Wn.
 Randall, Russell Samuel, 2 law.....Moscow
 Randall, Ruth Louise, 3 ed.....Lewiston
 Rankin, Bessie Louise, 1 h.....Fruitland
 Raphael, Grace Esther, 1 h.....Weiser
 Ratcliffe, Charles Leonard, 1 a.....Twin Falls
 Rauch, Wilma Hylah, 2 h.....Troy
 Reading, Alvin H., 4 a.....Buhl
 Reardon, Thomas Alvin, 3 a.....Post Falls
 Redford, John Edgar, 3 law.....Rupert
 Redmon, Elliot Eugene, 2 f.....Pocatello
 Redmond, Florence Christine, 1 ed.....Priest River
 Reed, Grace Ferne, 1 n.....Coeur d'Alene
 Reed, Ralph Whitney, 2 b.....Coeur d'Alene
 Reed, Vivian, 2 a.....Lewiston
 Reed, William Rowton, 4 ce.....Moscow
 Reese, Harold Campbell, 1 met.....Meridian
 Reeves, Amy Beatrice, 4 a.....Craigmont
 Reeves, Elton Traver, 1 s.....Craigmont
 Reichman, Louis Cecil, 3 ag.....Kendrick
 Reid, Allen Knight, 1 s.....Deary
 Reid, Francis Eugene, 1 b.....Spokane, Wn.
 Reiley, Marion Rex, 2 b.....Grangeville
 Reinhardt, Richard Gray, 2 me.....Spokane, Wn.
 Reiniger, Leonard Henry, 2 b.....Moscow
 Reiniger, Walden Quincy, 2 b.....Moscow
 Renfrew, Malcolm MacKenzie, 1 s.....Potlatch
 Rentfro, Myrl Rosalind, 1 a.....Moscow
 Rettig, Frank Marion, 4 law.....Moscow
 Reuter, Carl Theodore, 4 b.....Fenn
 Reynolds, Hester Adrian, 4 h.....Spokane, Wn.
 Reynolds, Robert Reed, 2 ch.....St. Maries
 Rice, Neva Margaret, 3 ed.....Nampa
 Rice, Paul LaVerne, 2 ag.....Parma
 Rice, Richard Kenneth, 1 ag.....Boise
 Richards, Edna Mae, 3 h.....Moscow
 Richards, Horace, Jr., 1 f.....Bend, Ore.
 Richards, Neil Carey, 1 b.....Moscow
 Richards, Stanford, 2 ed.....Moscow
 Richardson, Bert Henley, 2 b.....Lewiston
 Richardson, Dorothy Miranda, 1 a.....Moscow
 Richter, Bernhardt Theodor, 1 b.....Spokane, Wn.
 Richter, Erich Theodor, 3 b.....Spokane, Wn.
 Ricketts, Curtis Theodore, 4 ee.....Salmon
 Riddle, Anna Louise, 4 h.....Moscow
 Ridge, Susie May, 4 s.....Moscow
 Ridings, Donald Ellis, 1 me.....Moscow
 Riesbol, Herbert Spencer, 4 ce.....Lapwai
 Rietze, Doris Jessamine, 1 ed.....Moscow
 Rietze, Florence Ethel, 4 ed.....Moscow
 Rigney, Jesse Ward, 2 ag.....Jerome
 Ringe, Louie Adolf, 1 ag.....American Falls
 Ripple, Marguerite Marusa, 1 a.....Spokane, Wn.
 Robb, Harry Alexander, 1 ed.....Nampa
 Roberts, Edward Jerome, 1 min.....Spokane, Wn.
 Roberts, Frederick Fezer, 2 ee.....Parma
 Roberts, Ruth Lillian, 1 ed.....St. Maries
 Robertson, Frederick Reese, 3 b.....Boise
 Robinson, Dorothy, 1 a.....Spokane, Wn.
 Robinson, Lydia Jane, 2 a.....Central
 Robison, Clayne, 1 a.....Boise
 Rodgers, Jefferson Belton, 4 me.....Moscow
 Roe, Katherine Helen, 2 m.....Boise
 Roe, Melvin Samuel, 2 me.....Lewiston
 Rohde, Myrtle Lemora, 2 ed.....Orofino
 Rohrer, Florence Idaho, 1 ed.....Boise
 Roise, Elmer Manford, 4 ed.....Moscow
 Root, Opal Naomi, 3 a.....Moscow
 Rose, Melvin Truman, 2 me.....Spokane, Wn.
 Rosenbaum, William Ray, 2 ed.....Gooding
 Ross, Clyde Allen, 1 ee.....Moscow
 Ross, Josephine Agnes, 3 m.....Moscow
 Rostock, Roy Chester, 1 f.....Emmett
 Rothwell, Cleo Evelyn, 1 ed.....Viola
 Rouse, Dorothy Helen, 2 a.....Pocatello
 Rowe, Marcus Wayne, 2 b.....Moscow
 Rowell, Ruth Lois, 4 ed.....Lewiston
 Rudger, Florence Marie, 2 ed.....Cambridge
 Rudy, Paul Leonard, 4 b.....Buhl
 Ruchle, Archie Edwin, 3 s.....Pt. Townsend, Wn.
 Rugg, John Jay, Jr., 1 s.....Buhl
 Ruick, Estelle, 1 a.....Boise
 Rusho, Stanley Frank, 1 b.....Blanchard
 Rushton, John Crompton, Jr., 1 b.....Idaho Falls
 Russell, Donald Raymond, 3 ee.....Reubens
 Russell, Lois Elwood, sp ed.....Moscow
 Rutledge, Dorothy Lucille Davison, 2 n.....Nampa
 Ryan, Alice Mae, 1 s.....Emmett
 Sackett, Vera Mildred, 3 ed.....Twin Falls
 Sage, Dorothy Nell, 3 a.....Shelley
 Salskov, Karl Andrew, 1 min.....Emmett
 Salter, Dayton John, 1 b.....Priest River
 Sample, Clarence Hugh, 3 ch.....Nampa
 Sanborn, Dorothy May, 2 b.....Spokane, Wn.

- Sanborn, Edith Adell, 4 a.....Spokane, Wn.
 Sanders, Everett Claude, 2 ed.....Rathdrum
 Sanders, Sheldon Clyde, 2 ag.....Roberts
 Sandmeyer, John Arthur, 2 ag.....Buhl
 Sandmeyer, Theodore Ernest, 2 ag.....Buhl
 Sandford, Dorothy Mignonne, 1 a.....Boise
 Sanger, Frederic Miller, 1 b.....Twin Falls
 Sargeant, Howard John, 3 f.....Granger, Wn.
 Sargent, Richard Blake, 2 b.....St. Maries
 Sathre, Gwendolyn Leone, 1 a.....Burley
 Scarborough, Charles Roy, 2 g.....Coeur d'Alene
 Scatterday, George Hayes, 2 a.....Caldwell
 Schaller, Maurice Raymond, 1 f.....LaCrosse, Wis.
 Scharbach, Alfred William, 3 ed.....Potlatch
 Schimke, Lawrence Weldon, 2 law.....Twin Falls
 Schmitz, Lawrence Donald, 3 ee.....Portland, Ore.
 Schneider, George Rudolph, 1 ag.....Pendleton, Ore.
 Scholer, Margaret Elsie, 4 ed.....Rupert
 Schroeder, Pansy Esalda, 1 ed.....St. Maries
 Schuelke, Herbert, 1 m.....Chicago, Ill.
 Schumacher, Walter Mathias, 2 ar.....Moscow
 Schumann, Gilbert Vopel, 4 min.....Dubois
 Schwartzenhauer, Arthur George, sp min.....Rossland, B. C.
 Schwendiman, John Leo, 2 ag.....Newdale
 Scott, Edward Calvin, 1 ed.....Peck
 Scott, Fern Helen, 1 ed.....Moscow
 Scoular, Dorothy Bates, 4 a.....Moscow
 Scudder, Mary Helen, 3 s.....Melba
 Selle, Charles E., 4 ed.....Sandpoint
 Seifert, Homer Hall, 1 ee.....Bellflower, Cal.
 Searfin, Fred Frank, 1 b.....Moscow
 Settle, John Edwin, Jr., 4 ag.....Moscow
 Sewell, Byron Robert, 1 b.....Orofino
 Seymour, Wellington, 4 f.....Moscow
 Shamberger, William David, 3 m.....Payette
 Shank, Paul James, 2 f.....Swan, Tex.
 Shaw, Carl Ingram, 3 ed.....Caldwell
 Shawen, Carroll Grant, 3 ed.....Lewiston
 Shawen, Charles Joseph, 3 ed.....Lewiston
 Shawen, Martha Mahala, 3 ed.....Pomeroy, Wn.
 Shawen, Ralph Arthur, 3 ed.....Pomeroy, Wn.
 Shears, Dorothy Virginia, 3 b.....Kellogg
 Sheehan, Evelyn Delight, 2 a.....Boise
 Sheehan, John Edward, 3 a.....Boise
 Sheffield, Olive Helen, 1 a.....Post Falls
 Shellworth, Grace Nellie, 2 h.....Boise
 Sherfey, Dean Leroy, 2 b.....Pomeroy, Wn.
 Sherfey, Jeraldne, 3 m.....Buhl
 Sheridan, Max Clark, 2 med.....Wallace
 Sherman, Leslie Oliver, 1 b.....Moscow
 Shern, Glenn LaForest, 2 b.....Coeur d'Alene
 Sherrill, George Folk, 3 med.....Moscow
 Shinnick, Thomas David, 1 med.....Grangeville
 Shoemaker, Clayton Robert, 1 me.....Parma
 Shook, Glen Merrill, 2 ee.....Sandpoint
 Shook, Herbert Hugh, 3 g.....Sandpoint
 Showalter, Ted Harry, 1 me.....Nampa
 Shurtliff, Wesley Orr, 1 ed.....Pocatello
 Shy, Marian Josephine, 3 a.....Rupert
 Sifton, James Bruce, 4 ag.....Emmett
 Siggins, Howard Edward, 3 ed.....Twin Falls
 Simm, Arthur D., 2 b.....Moscow
 Simmonds, Richard Charles, 2 a.....Salmon
 Simmonds, Robert Walter, 2 s.....Salmon
 Simmons, Beulah Berniece, 1 a.....Clarkston, Wn.
 Simmons, Dorothy Ina, 3 ed.....Kellogg
 Simonds, Hazel Marguerite, 2 a.....Bonners Ferry
 Simons, Ralph Hugh, 3 b.....Kellogg
 Simpson, Elizabeth Therese, 2 ed.....Moscow
 Simpson, Harry Hudson, Jr., 4 a.....Moscow
 Sizemore, George Wesley, 1 a.....Eden
 Skinner, Florence Mae, 3 b.....Moscow
 Skinner, Harold Barton, 1 s.....Mullan
 Skoog, Beatrice Zimmerman, 1 b.....Moscow
 Slate, Edgar Davis, 4 g.....Bonners Ferry
 Slaughter, Walter Arthur, 3 b.....Twin Falls
 Slavik, Frank Rolland, 1 ee.....Salmon
 Smith, Bernice Winters, 2 m.....Moscow
 Smith, Chandler Wickersham, 3 s.....Grosse Ile, Mich.
 Smith, Clarke Alanson, 1 med.....Wallace
 Smith, Clifford Clyde, 1 b.....Moscow
 Smith, Darold George, 3 b.....Idaho Falls
 Smith, Elizabeth Alice, 4 a.....Salmon
 Smith, Elizabeth Harper, 1 a.....Seattle, Wn.
 Smith, Glen T., 1 a.....Jerome
 Smith, Goldie May, 4 ed.....Boise
 Smith, Irene Wells, 4 ed.....Moscow
 Smith, Laurence Martin, 2 ee.....Moscow
 Smith, Louis DeSpain, 1 med.....Spokane, Wn.
 Smith, Marshall Riley, 3 ag.....Gooding
 Smith, Norman Myer, 2 g.....Weiser
 Smith, Owen Delevan, 3 med.....Priest River
 Smith, Ronald Martin, 2 s.....Moscow
 Smith, Ruth Lydia, 1 ed.....Moscow
 Smothermon, Harold Austin, 1 a.....Spokane, Wn.
 Smuin, Frank Delmore, 2 a.....Ashton
 Smuin, Harold William, 1 a.....Ashton
 Sneddon, Henry Brandlely, 1 ed.....Rupert
 Snook, Henry Waynefield, 4 ed.....Post Falls
 Snow, Doris Mae, 4 h.....Moscow
 Snow, Mary Drusilla, 3 h.....Moscow
 Soden, Johnnie Wesley, 2 b.....Buhl
 Soderquist, Marvin Kenneth, 2 med.....Idaho Falls
 Sogard, Sidney Shilo, 1 b.....Culdesac
 Solberg, Emma Louise, 4 ed.....Kamiah
 Solberg, Lawrence Arthur, 4 med.....Elk River
 Solum, Milo Thomas, 1 ed.....Wallace
 Sommercamp, James Peyton, 2 b.....Weiser
 Songer, Eleanor Emily, 3 ed.....Meridian
 Souther, Calvin Charles, 1 b.....Spokane, Wn.
 Sowder, James Thelbert, 2 f.....Moscow
 Spaugy, Arthur Earl, 1 ed.....Nampa
 Speelman, Pauline Jeanette, 3 ed.....Wallace
 Spence, Clifton Ferguson, 1 ag.....Park Ridge, Ill.
 Spence, Harry Lowe, Jr., 4 ag.....Moscow
 Spencer, Charles Stewart, 4 ag.....Victor
 Spencer, Fern Evelyn, 1 h.....Moscow
 Spencer, Fred Byron, 1 b.....Moscow
 Spencer, Jesse Raymond, 1 ag.....Palouse, Wn.
 Spencer, Walter Earl, 2 ce.....Spirit Lake
 Spencer, Wesley Roosevelt, 3 ag.....Moscow
 Sperry, Donald Riford, 1 b.....Spokane, Wn.
 Spiker, Margaret Mueller, 4 ed.....Spokane, Wn.
 Springer, David Warren, 1 med.....Boise
 Sproat, Hugh, Jr., 2 ag.....Moscow
 St. Clair, Robert Wright, 3 a.....Idaho Falls
 Stalker, Beatrice, 3 h.....Lewiston
 Stamm, Alice, 3 n.....Moscow
 Stanley, Wilfred Burnham, 3 f.....Moscow
 Stansell, Earl Raymon, 1 ag.....Ashton
 Stapleton, Agatha Pearl, 1 ed.....Nezperce
 Stark, Lyell Ward, 4 ed.....Hagerman
 Stedtfeld, Norman Virgil, 3 law.....Pocatello
 Steele, Harold Adelbert, 4 ag.....Gooding
 Steele, Mary Catherine, 2 a.....Coeur d'Alene
 Steele, Ruth Edna, 1 ed.....Gooding
 Steffens, Herman Walter, 4 med.....Blackfoot
 Steffensen, Marion Louis, 1 a.....Chewelah, Wn.
 Stein, Gladys Inez, 2 n.....Cascade
 Stenton, William, Vere, Jr., 1 b.....Spokane, Wn.
 Stephenson, Thomas Hoyt, 4 ee.....Oakland, Cal.

- Sternke, Gordon Wesley, 1 a...Idaho Falls
 Stetler, Helen Ruth, 1 m.....Payette
 Steuart, Margaret Mary, 1 b.....Gem
 Steward, Elizabeth Gilbert, 2 ed...Idaho Falls
 Stewart, Burton Lyman, 3 med.....Boise
 Stewart, Melvin Flenner, 1 b.....Boise
 Stinemates, Merrill Phillip, 4 ag...Moscow
 Stoehr, Karl Frank, 1 ag.....Boise
 Stokes, Wayne Ira, 1 ag.....King Hill
 Stokes, William Lester, 1 me.....King Hill
 Stoltz, George Edgar, 4 f.....Spirit Lake
 Stoner, Edna, 4 a.....Burke
 Storjohann, Marvin Maxwell, 1 ee...Mullan
 Story, Ruth Gladys, 4 m.....Burley
 Stowasser, Allen Arthur, 3 b
 Stowasser, Clarence Edward, 3 f
 Stowasser, Clarence Edward, 3 f
 Stowell, Harold Bowman, 2 ed...Pocatello
 Stringer, Edna Mae, 1 ed.....Weiser
 Stringer, Gertrude Anne, 3 a.....Weiser
 Strong, Russell Garner, 1 me...Garfield, Wn.
 Stroud, Charles Crawford, Jr., 3 f
 Sturman, Roland Benjamin, 1 ed...Tensed
 Styner, Evelyn, 2 h.....Moscow
 Sullivan, Ava Hilda, 4 a.....Rupert
 Sullivan, Emma Lou, 1 ed.....Moscow
 Sullivan, John Joseph, Jr., 1 b.....Boise
 Summers, Austin B., 3 ag.....Salmon
 Summers, Charles George, 1 b.....Boise
 Sumpter, Castleman Harvey, 2 ed...Mullan
 Suppiger, Eleanor B., 3 ed.....Moscow
 Suter, Floyd, Louis, 2 b.....Coeur d'Alene
 Swain, Helen Elizabeth, 3 a
 Swain, Robert Fielding, 1 f.....Mountain Home
 Swanson, Clara Aldora, 4 a.....Pocatello
 Swanson, Cleveland Fred, 1 ed...Idaho Falls
 Swanson, Edna Frances, 3 b.....Troy
 Swanson, Theodore Andrew, 1 ch...Spokane
 Swayne, Allen Parke, 1 f.....Melba
 Swayne, Samuel Fothergill, 3 b.....Melba
 Swindaman, George Robert, 2 ed...Declo
 Taaca, Felipe Tabali, 1 ed
 Taggart, Palina, Urdaneta, Pangasinan, P. I.
 Taggart, John Jay, 3 ed.....Moscow
 Talbott, Constance Ramona, 4 s.....Moscow
 Talbott, Curtis LeRoy, 4 ee.....Moscow
 Talbott, Loyal Elmer, 1 f.....Moscow
 Talbott, Ruth Lurline, 1 h.....Moscow
 Tall, Aldon, 4 med.....Rigby
 Tall, Asael, 4 med.....Rigby
 Tapper, Robert Glen, 3 a.....Richfield
 Tate, Walter Pern, 1 b.....Bruneau
 Tate, Fay St. Ores, 3 ed.....Boise
 Tatum, Frank James, 3 ed...Black Lake
 Tayler, Ralph Albert, 4 ee...Liverpool, N. Y.
 Taylor, Cyprian Douglas, 3 f...Nelson, B. C.
 Taylor, Dorothy Marie, 2 a.....Weiser
 Taylor, Elizabeth Katharine, 1 ed...Boise
 Taylor, Helen Hartley, 4 a.....Weiser
 Taylor, Lois Elizabeth, 4 a.....Weiser
 Taylor, Otis LeRoy, 1 b.....Lapwai
 Taylor, Richard Herman, 3 min...Boise
 Tedford, Jean Marie, 1 s.....Priest River
 Terhune, Charles Alfred, Jr., 4 med
 Terwilleger, Harry Willard, 2 s.....Nampa
 Thackwell, Fred Emerson, 4 met...Moscow
 Thomas, Dale Arthur, 2 ed.....Jerome
 Thomas, Georgia Emma, 1 ed.....Moscow
 Thomas, Grace Lucille, 3 a.....Ashton
 Thomas, La Vernon Grace, 1 a.....Kellogg
 Thomas, Margaret Jean, 1 a.....Ashton
 Thomas, Mary Elizabeth, 4 a.....Gooding
 Thomas, Ormond J., 3 s.....Castelford
 Thomas, Richard Sheridan, 3 law
 Thomas, Walter Ashton, 2 b.....Moscow
 Thomason, Jesse Lenard, 4 ee...Emmett
 Thomason, Joseph Austin, 2 ed...Moscow
 Thompson, Caryl Florence, 2 a...Post Falls
 Thompson, Esther Carolyn, 1 h
 Thompson, Gilbert Doveton, 2 b
 Thompson, Gilbert Doveton, 2 b
 Thompson, Arthur Ivan, 4 b.....Spokane, Wn.
 Thompson, Irene Delight, 4 ed...Moscow
 Thompson, Josephine Cecelia, 2 a...Post Falls
 Thompson, Lois Marian, 1 m.....Potlatch
 Thompson, Marie Inga, 2 a.....Post Falls
 Thompson, Ted Augustus Lewis, 1 b
 Thompson, Vining Clyde, 2 b.....Moscow
 Thompson, Virgil Nelson, 1 me...Moscow
 Thomson, Andrew Halleck, 3 a
 Thomson, Margaret Isabel, 1 ed...Butte, Mont.
 Thornhill, Harold Bryant, 3 b.....Boise
 Thornhill, Maxine, 1 h.....Kellogg
 Thornock, Clarence Sylvanus, 1 f
 Thorsen, Elmer Oluf, 2 ag.....Bloomington
 Throckmorton, James Robert, 3 ce
 Throckmorton, James Robert, 3 ce
 Throckmorton, Marjorie, 2 ed...Twin Falls
 Tillotson, Robert Erwin, 1 b.....Twin Falls
 Timken, Gladys Ione, 1 ed.....Boise
 Timken, Mildred Georgia, 4 h.....Kellogg
 Titus, Violette Mae, 2 ed.....Kellogg
 Tobyn, Marjorie Agnes, 1 med
 Tobyn, Marjorie Agnes, 1 med
 Todd, Melba Miles, 2 med...Spokane, Wn.
 Togstad, Charlotte Laura, 2 b.....Melba
 Tolleth, Charlotte Irene, 3 b.....Nampa
 Tolleth, Dorothy Evelyn, 4 h.....Meridian
 Toolson, Fay Goodwin, 1 ed...Banerft
 Toolson, Rex Noble, 3 ag.....Banerft
 Torgerson, Almas Gifford, 3 ed...Julietta
 Torgerson, Dorothy Clara, 1 ed...Moscow
 Toth, Andy Edward, 1 ed...Coeur d'Alene
 Townley, Daniel Wesley, 1 ed...Weiser
 Townsend, James Harding, 2 b.....Moscow
 Trail, Glen Ewing, 4 ag.....Middleton
 Trauger, Ersie Elizabeth, 4 a.....Jerome
 Travis, Wayne Ivan, 3 ce.....Caldwell
 Treleaven, Marion, sp a.....Lansing, Mich.
 Trenary, Claude Vale, 1 me.....Kooskia
 Tucker, Anna Jeanne, 1 h.....Parma
 Tucker, Leonard John, 2 ee.....Rathdrum
 Tucker, Nadine Edith, 4 a.....Emmett
 Tulley, Cecil Roosevelt, 4 ag...Moscow
 Tupper, Alta, 3 ed.....Lewiston
 Turinsky, Otto, 4 ch.....Sandpoint
 Turner, Bernice Irene, 4 ed...Nampa
 Turner, Joseph Edward, 3 b.....Bruneau
 Turner, Nell Adelaide, 4 h.....Bruneau
 Turner, Winifred Marie, 4 ed...Burley
 Tuttle, Lucinda Verna, 3 a.....Moscow
 Tuttle, Russell Lowell, 4 ch...Moscow
 Uhl, Orvil Michael, 4 ce.....Moscow
 Uranga, Carmelo, 1 b.....Boise
 Uranga, Juanita, 2 a.....Boise
 Urell, Thomas Cantillon, 1 me...Ashton
 Vance, James Martin, 3 ce.....Boise
 Vance, Leslie Robert, 3 g.....Bliss
 Vance, Robert Willard, 2 ch...Boise
 Vance, Virginia Wilda, 4 h.....Mackay
 Vanderhoff, Virginia Ruth, 3 a
 Van Haverbeke, Henry Joseph, 2 law
 Van Haverbeke, Henry Joseph, 2 law
 Van Slatte, Edith Elaine, 1 a...Rockford, Wn.
 Vaupell, Helen Kathryn, 4 a...Tekoa, Wn.
 Veasey, Helen Maud, 3 a.....Moscow
 Vehrs, Eda Louis, 4 ed.....Spokane, Wn.
 Vetter, Milton Elmer, 1 ed...Lewiston
 Virtanen, Reino, 1 s.....Mullan
 Voak, Helen Jane, 4 a.....Boise

- Voll, Hazel Jewell, 3 ed...Riverside, Cal.
 von Ende, Carl Ankeney, 1 ch...Moscow
 von Ende, Eunice Ankeney, 4 a...Moscow
 Vorous, Eva Marion, 4 ed...Lewiston
 Voshell, Robert Ellwood, 2 a...Colfax, Wn.
 Waddell, Robert Malcolm, 2 f
 Upper Darby, Pa.
 Wadsworth, Mary Abigail, 1 a...Kellogg
 Waggoner, Edward Fleming, 1 ag
 Post Falls
 Waggoner, Walter Lowell, 2 ch
 Walla Walla, Wn.
 Wahl, Edward Ronald, 3 a...Genesee
 Walch, Gerald William, 1 a...Moscow
 Walden, Amidee Keren, 2 b...Coeur d'Alene
 Walden, Harry Arthur, 2 b...Bonners Ferry
 Walden, Sydney Phillip, 1 b...Bonners Ferry
 Waldrop, Alice Martha, 3 a...Parma
 Walker, Patrick Henry, 4 a...Wallace
 Wallace, David Alexander, 1 min...Lewiston
 Wallace, William Gordon, 1 b
 South Pasadena, Cal.
 Walrath, Theodore Marcus, 4 law...Orofino
 Walters, Lois, 3 a...Caldwell
 Walters, Pearl Hazel, 1 a...Boise
 Walton, Delia May, 1 ed...Sandpoint
 Wann, Helen Mildred, 4 ed...Lewiston
 Ward, Marguerite Ruth, 4 a...Moscow
 Ware, Esther Couzens, 4 ed...Filer
 Warlick, Agnes Idell, 2 ed...Peck
 Warm, Elsie Anna, 2 a...Moscow
 Warner, Frank Amel, 3 med...Boise
 Warner, William Franklin, 2 b...Malad
 Warren, Grace Margaret, 1 ed...Eagle
 Washburn, Ralph Raymond, 2 a
 Spokane, Wn.
 Waters, Harold Arthur, 3 ag...Moscow
 Waters, Silas Arthur, 4 ed...Moscow
 Wayland, James Harold, 2 ch...Boise
 Webster, Fred Earl, 3 b...Leland
 Wedin, Martha Rosetta, 3 h...Moscow
 Weidman, Viola Christina, 3 a...Boise
 Welchko, Lawrence Leo, 1 ee
 Bonners Ferry
 Welker, Herman O., 4 law...Weiser
 Wellhousen, Edwin John, 1 ag...Twin Falls
 Wells, Clarence, 1 ag...Gooding
 Wells, Harvey Fletcher, 1 ag...Kuna
 Wells, James Nagle, 1 ed...Boise
 Wells, Robert Sumner, 4 min...Colville, Wn.
 Wendle, Eila Waldrop, 4 ed...Parma
 Wendle, Rex, 4 f...Sandpoint
 Werner, Arthur Vincent, 2 ce...Moscow
 Werner, Ervin LaVern, 2 ee...Moscow
 Werner, Frederick Victor, 2 ce...Moscow
 Werner, Nels Emil, 3 me...Moscow
 Werner, Paul Everett, 2 ce...Moscow
 Werner, Violet Myrtle, 2 s...Moscow
 Werry, Norma Higgs, 2 ed...Bellevue
 West, Kathryn Hazel, 2 b...Spokane, Wn.
 Westcott, Wilburn Rex, 2 b...Kellogg
 Wetherbee, Rae Eckles, 4 ed...Moscow
 Wheeler, Harold Richard, 2 a...Boise
 White, Dana Homer, 3 b...Bonners Ferry
 White, Donald William, 2 a...Eden
 White, Fred Beardsley, 1 ed...Bonners Ferry
 White, Freda Virginia, 3 a...Boise
 White, J. Austa, 1 h...Colfax, Wn.
 White, Marion McLacklan, 4 h...Lewiston
 White, Marjorie Alice, 2 ed...Coeur d'Alene
 White, Raymond Arthur, 1 b...Salmon
 White, Russell Conwell, 4 s...Salmon
 Whitenack, Dorothy Thorpe, 4 m...Shoshone
 Whiting, Harry Lester, sp f...Coolin
 Whitson, Betty, 1 b...Boise
 Whittaker, Chester G. I., 2 b...Weiser
 Whittington, Edward James, 1 b...Boise
 Wickstrand, Herbert Leonard, 1 ed...Potlatch
 Wickwire, Parker Everington, 1 ee
 Spokane, Wn.
 Widman, Lloyd Raymond, 1 ed
 Rosalia, Wn.
 Widner, Floyd, 4 ag...Moscow
 Wiks, David Louis, 3 a...Coeur d'Alene
 Wilde, Marvin Booth, 2 f...Moscow
 Wiley, John Richard, 2 b...Wallace
 Wilkening, George Ernest, 1 ed...Nampa
 Wilkie, Fred Whiffin, 1 a...Idaho Falls
 Williams, Donald Wallace, 1 b...Boise
 Williams, Erma Ione, 2 ed...Pocatello
 Williams, Frances Wilson, 1 a...Moscow
 Williams, Goldie Marvel, 1 ed...Boise
 Williams, John Thomas, Jr., 1 ag...Cleveland
 Williams, Margaret Eleanor, 2 a
 Spokane, Wn.
 Williams, Mentor Lee, sp a...Moscow
 Williams, Milton Morse, 1 ag...Boise
 Williams, Opal Ruth, 3 ed...Filer
 Williams, Ralph Lowe, 2 ag...Gifford
 Williams, Wilma Etlia, 1 ed...Boise
 Williamson, Harry Alexander, 1 a...Moscow
 Willis, Galen Nesbit, 2 b...Rupert
 Wilmot, Frank Horace, 3 f
 E. Claridon, Ohio
 Wilson, Betty Jane, 2 a...Twin Falls
 Wilson, Edna Myrrl, 1 ed...Hammett
 Wilson, James Maurice, 2 s...Kuna
 Wilson, Jessie Margaret, 2 ed...Moscow
 Wilson, Margaret, 4 a...Moscow
 Wilson, Neola Alice, 1 h...Kimberly
 Wilson, Patricia, 2 a...Twin Falls
 Wilson, Virgil Leroy, 1 b...Hansen
 Wilson, Wendell Wickham, 2 ce
 Los Angeles, Cal.
 Wiltamuth, Willard Francis, 2 ag...Blackfoot
 Wilton, Letha Napina, 3 a...Emmett
 Wimer, John Everett, 3 a...Wallace
 Winchester, Ruby A., 2 a...Mullan
 Winter, Marcella Bernice, 3 a...Rexburg
 Winzeler, Frank Lee, 3 b...Meridian
 Wiseman, Charles Leonard, 2 ag...Hansen
 Wiseman, Donald Miller, 2 ee
 New Plymouth
 Wishard, Evelyn Leon, 1 b...Moscow
 Wiswall, Clinton Henry, 4 ag...Jerome
 Wiswall, Helen Cochran, 2 h...Jerome
 Woesner, Raymond Christopher, 2 f
 Moscow
 Wolfe, Don Murray, 1 med...Palouse, Wn.
 Wolff, Verona Wilhelmina, 1 a...Genesee
 Womack, Lucie Elizabeth, 1 a...Moscow
 Wood, Beth Lois, 1 a...Weiser
 Woodard, Donald Audly, 1 ee
 Spokane, Wn.
 Woods, Constance Helen, 1 a...Spokane, Wn.
 Woodard, Doren Ellis, 3 f...Spokane, Wn.
 Woodward, Fred William, 1 met...Kellogg
 Woodward, Rhoda Margaret, 3 n
 Spokane, Wn.
 Woodworth, Lillian Gritman, 3 a...Moscow
 Wormell, Marian Agnes, 4 ed...Lewiston
 Wormward, Thurston Pike, 1 min...Kellogg
 Wren, Clifford Harold, 1 ed...Fenn
 Wright, Calvin Everett, 2 a...Burley
 Wright, Edith Ella, 2 a...Meridian
 Wright, Mildred Christine, 1 a...Buhl
 Wright, Robert Glenn, 4 b...Hailey
 Wuhrman, Edward Emil, 1 f...Spokane, Wn.
 Wurster, John Wayne, 2 med...Rogerson
 Yaggy, Elinor May, 4 a...Nampa
 Yanik, Carl Boyce, 1 ed...Boise
 Yeaman, Marshall Brotherton, 1 ed
 Idaho Falls
 Yearsley, Wilbur Levis, 3 b...Moscow
 York, Bryce Herbert, 1 ed...Portland, Ore.
 York, Catherine Adelma, 2 b...Boise
 York, Jean Margaret, 1 a...Boise
 Yost, Harry L., Jr., 2 b...Boise
 Young, Burris Lester, 4 ag...Moscow
 Young, Harry Lloyd, 1 b...Nampa

Young, Helen Anna, 2 ed.....	Rathdrum	Zarick, Robert Anthony, 2 law	
Young, Walter Russell, 2 ed.....	Caldwell		Sacramento, Cal.
Young, Wilford Roscoe, 2 b.....	Rathdrum	Zaring, Hector Alvin, 2 b.....	American Falls
Youngs, Lyman Gustin, 2 ce.....	Moscow	Zieman, Daniel Henry, 3 med.....	Southwick
Yribar, Stackeal, 4 b.....	Boise	Zornes, Charles Miles, 2 f.....	Coeur d'Alene
			TOTAL UNDERGRADUATES, 1861

SPECIAL STUDENTS IN MUSIC

Armstrong, Williamina, <i>Piano</i>	Moscow	Lewis, Adah, <i>Violin</i>	Moscow
Bailey, Marjorie, <i>Piano</i>	Moscow	Lowell, Clarabelle, <i>Voice</i>	Moscow
Baken, Harriet, <i>Piano</i>	Moscow	Oliver, Viola, <i>Voice</i>	Moscow
DuSault, Frances, <i>Piano</i>	Moscow	Retzel, Marie Isabel, <i>Piano</i>	Moscow
Eisinger, Elsa, <i>Piano</i>	Moscow	Sessions, Marc, <i>Piano</i>	Moscow
Eldridge, Grace, <i>Piano</i>	Moscow	Stanton, Richard, <i>Piano</i>	Moscow
Kennard, Patricia, <i>Violin</i>	Moscow	Wilson, Jean, <i>Piano</i>	Moscow
Lee, Alice, <i>Violin</i>	Moscow	Wilson, Vivian Mildred, <i>Piano</i>	Moscow
Lee, Marie, <i>Piano</i>	Moscow		TOTAL SPECIAL STUDENTS IN MUSIC, 17

MOSCOW SUMMER SCHOOL, 1928

(Exclusive of Graduate Students)

Adriansen, Anne Otally.....	Moscow	Hays, Alice Amanda.....	Boise
Adriansen, Edith.....	Moscow	Hirschler, Arthur Edmund.....	Rupert
Allison, Lora Marie.....	Glenns Ferry	Hoisington, Carl Wallace.....	Moscow
Ameling, Velma Leora.....	Moscow	Hoopes, Anna Marie.....	Dubois
Ameling, Vera Larita.....	Moscow	Howard, Forrest Hayden.....	Pocatello
Anderson, Helen Mabel.....	Moscow	Howe, Hilbert Adolph.....	Moscow
Anderson, Loran Eric.....	Lewiston	Howe, Norma Agnes.....	Moscow
Anderson, Louise Eleanor.....	Lewiston	Hunt, Ida May.....	Moscow
Anderson, Theodore Cline.....	Moscow	Jackson, Alfred Wright.....	Rupert
Anderson, William Lewis.....	Malad	Jeffries, Mary Agnes.....	Odessa, Mo.
Annis, Ruth Denny.....	Spokane, Wn.	Johnson, Lloyd Gilmore.....	Lenore
Bauscher, Fae Mary.....	Corral	Johnson, Lyna Helen.....	Hagerman
Biggers, Phebe Florence.....	Murtaugh	Jones, Jean Marie.....	Moscow
Booth, Betty Ann.....	Wallace	Kelly, Alice Rosemary.....	Spokane, Wn.
Booth, Ida Mae.....	Wallace	Kienholz, Mabel Gertrude.....	Moscow
Brindley, Sara Frances.....	Moscow	King, Laura Edna.....	Lewiston
Broadwater, Josephine Helen.....	Havre, Mont.	King, Ruby Carol.....	Moscow
Brosnan, Mary Helen.....	Moscow	Koster, Albert Edward.....	Moscow
Brown, Effie Myrtle.....	Reubens	Koster, Clara Theresa.....	Moscow
Bubb, Margaret Cecile.....	Athol	LaFollette, Greta Whiteside.....	Moscow
Bue, Lydia Sigrid.....	Moscow	Lansdon, Floyd Wilbur.....	Moscow
Canine, Herbert Irving.....	Burley	Lappin, Ruth Viola.....	Council
Carmel, Sister Mary.....	Moscow	Larson, Ethel Sofie.....	Coeur d'Alene
Carney, Helen Elizabeth.....	Spokane	LaRue, Ethel King.....	Moscow
Christenson, Esther Jeanette.....	Moscow	Lowry, William James.....	Plummer
Clare, Pauline.....	Cambridge	McIntire, Elizabeth Katherine.....	Moscow
Cone, James Frank.....	Parma	McNaughton, Marjorie.....	Coeur d'Alene
Cromwell, John Frederic.....	Gooding	Mathewson, Flo Dale.....	Wendell
Cunningham, Florence Philamena.....	Coeur d'Alene	May, Melba Farnsworth.....	Rupert
Dean, Walter Judson.....	Ft. Dodge, Ia.	Messenger, Dorothy Elizabeth.....	Moscow
Decker, Cleo Fern.....	Kooskia	Moore, Burton L.....	Boise
Dewey, William Cornelius.....	Nampa	Moore, Robert Andrew.....	Boise
Dobson, Earle Julian.....	Rupert	Moran, William James.....	Bellevue
Dorsey, Walter Allen.....	Moscow	Munro, Margaret June.....	Ogden, Utah
Downey, Margaret Helen.....	Springdale, Wn.	Nettleton, Vida Derflinger.....	Moscow
Estes, Virgil Eugene.....	Moscow	Oliver, Florence Irene.....	Moscow
Evans, Virgil Jenkins.....	Samaria	Oliver, Marguerite Isabelle.....	Moscow
Fanning, Ruth Jean.....	Moscow	Ouse, Hazel May.....	Genesee
Faulkner, Jonas Craton.....	Moscow	Paroz, Henriette Marguerite.....	Potlatch
Forbes, Bertha D.....	Kellogg	Parsons, Grace McClintock.....	Moscow
Fowler, Ida Shea.....	Wendell	Pearce, Beatrice.....	Washtucna, Wn.
Frederickson, Lucile May.....	Lewiston	Peterson, Lucile Evelyn.....	Tekoa, Wn.
Gale, Fulton Gilberth.....	Moscow	Piercy, Esther June.....	Moscow
Gillett, Lois Alyda.....	Moscow	Prentice, Della Roberts.....	Jerome
Gooding, Grayce Lillian.....	Weiser	Priebe, Melcher Walter.....	Twin Falls
Green, Marguerite Vera.....	Troy	Randall, Ruth Louise.....	Lewiston
Hagen, Cecil.....	Spokane	Rice, Neva Margaret.....	Nampa
Hall, Howell Turner.....	Coeur d'Alene	Ridge, Susie May.....	Moscow
Hall, Jess Lee.....	Coeur d'Alene	Rietze, Florence Ethel.....	Moscow
Harker, Lawrence Ray.....	Idaho Falls	Ross, Josephine Agnes.....	Moscow
Harman, Warren Justin.....	Rosalia, Wn.	Shanks, Ira Leonard.....	Viola
Harris, Raymond Kenoyer.....	Potlatch	Shea, Doris Naoma.....	Moscow
Harrison, Bert A.....	Glenns Ferry	Shearman, Mary Alice.....	Lawrence, Kan.
Hatfield, Betty.....	Moscow	Sheils, Evelyn Betty.....	Barber
Hawk, Milan Elven.....	Shelley	Sherwin, Marietta Grace.....	Spangle, Wn.
		Shira, Ruth E. Munro.....	Grangeville

Smith, Bernice Marcella.....	Spirit Lake	Wahl, Edward Ronald.....	Genesee
Smith, Charlotte Ellen.....	Spokane, Wn.	Ware, Esther Couzens.....	Moscow
Smith, Irene Wells.....	Moscow	Ware, Eugene Spencer.....	Coeur d'Alene
Snow, Doris Mae.....	Moscow	Warlick, Agnes Idell.....	Peck
Spence, Harry Lowe.....	Moscow	Warren, Eileen Constance.....	Weiser
Spiker, Margaret Mueller.....	Spokane, Wn.	Waters, Silas Arthur.....	Moscow
Stephenson, RaMona.....	Preston	Weidman, Eva Lorraine.....	Boise
Stewart, Zella Rowena.....	Moscow	Weidman, Viola Christina.....	Boise
Summers, Josie Marie.....	Spirit Lake	White, Marian McLachlan.....	Lewiston
Swan, Alton Clair.....	Caldwell	Whiteside, Ruby Jayne.....	Moscow
Taggart, Goldie Moore.....	Tekoa, Wn.	Wilson, Margaret.....	Moscow
Terhune, Charles Alfred.....	Burley	Woodward, Rhoda Margaret.....	Spokane, Wn.
Todd, Melba Miles.....	Melba	Wormell, Marian Agnes.....	Lewiston
Townsend, Rei Emerson.....	Sagle	Yaggy, Elinor May.....	Nampa
Tucker, Nadine Edith.....	Emmett	UNDERGRADUATES AND SPECIAL STUDENTS	
Tuttle, Lucinda Verna.....	Moscow	IN MOSCOW SUMMER SCHOOL.....	
Veasey, Helen Maud.....	Chicago, Ill.	GRADUATES IN MOSCOW SUMMER	
Veasey, Ruth Isabel.....	Chicago, Ill.	SCHOOL.....	
Vehrs, Eda Louise.....	Spokane, Wn.	TOTAL AT MOSCOW SUMMER SCHOOL.....	

BOISE SUMMER SCHOOL, 1928

Adams, Mary Ellen.....	Nampa	McClung, Florence Hazel.....	Boise
Anthony, Margaret Ebert.....	Boise	McSorley, Mary Frances.....	Boise
Austin, Harold Gansel.....	Boise	Maberly, Grace Madeline.....	Boise
Baldrige, Lela Gail.....	Parma	Maberly, Sarah Alice.....	Boise
Berryman, Carl Wilbur.....	Burley	Matthews, Nellie Margaret.....	Boise
Black, Joseph Ellis.....	Boise	Miller, Ruth Mary.....	McMinnville, Ore.
Bohrer, Grace Laverne.....	Weiser	Newman, Florence Ruby O.....	Filer
Brenn, Laura May.....	Boise	Newman, Lila Guy.....	Filer
Byrne, Eulalia Martina.....	Boise	Niece, Herbert Thomas.....	Boise
Clarke, Jenniemae.....	Boise	Ormsby, Calista Lucy.....	Boise
Clemens, Margaret May.....	Boise	Otto, Lucy May.....	Jerome
Cleveland, Beulah.....	Twin Falls	Paine, Carol Margaret.....	Boise
Coston, Helen.....	Boise	Payer, Josephine.....	Nampa
Couper, Jean Marion.....	Weiser	Pizey, Pauline Martha.....	Boise
Cox, Mary Ethel.....	Boise	Pope, Pauline.....	Boise
Cuddy, Katherine Louise.....	Boise	Radloff, Muriel Beamer.....	Boise
Cuddy, Margaret Elizabeth.....	Boise	Randall, Lois Emily.....	Boise
Cunningham, Margaret Gray.....	Boise	Ray, Leora Myers.....	Barber
Cupp, Margaret.....	Boise	Rockwell, Emma T. K.....	Boise
Davis, Myrtle Ramey.....	Blackfoot	Russell, Laura Sutherland.....	Boise
Dolphin, Alma Laura.....	Emmett	Schnell, Katharyn Frances.....	Boise
Eddy, John Courtney.....	Rupert	Schock, Eldon Donald.....	Boise
Elford, Zilla Ethel.....	Boise	Scott, Nathan Lemon.....	Boise
Fisk, Helen Albey.....	Boise	Shepherd, Jennie E.....	Weiser
Flynn, Mary.....	Nampa	Sherman, Frederick Buren.....	Boise
Fosket, Agnes May.....	Weiser	Shuee, Lela Mildred.....	Caldwell
Fricke, Bertha Elizabeth.....	King Hill	Skelton, Effa Verena.....	Boise
Gallet, Frances Marian.....	Boise	Smith, Amy Esther.....	Boise
Gartin, William Woodruff.....	Caldwell	Smith, Wells Conway.....	Rupert
Grammer, Betty Maude.....	Huston	Stanbery, Stanley William.....	Grangeville
Grey, George V.....	Boise	Steward, Elizabeth Gilbert.....	Twin Falls
Haley, Jennie May.....	Boise	Stoddard, Lottie May.....	Boise
Hall, Edith C.....	Boise	Tage, Anna Hollana.....	Boise
Hogensen, Sylvia B.....	Boise	Taylor, Louise.....	Boise
Hollahan, Katherine E.....	Buhl	Thompson, Emma Dill.....	Boise
Hoyer, Doris Kathryn.....	Boise	Tinker, Eleanor.....	Boise
Ireton, Aurilla J.....	Boise	Underkoffler, Ruth Margaret.....	Caldwell
Johnson, Chester Glynn.....	Boise	Walker, Nellie.....	Boise
Judson, Carroll L.....	Glendale, Cal.	Wall, Aurora.....	Boise
Judson, Marguerite Elizabeth.....	Glendale, Cal.	Ward, Rilla.....	Boise
Laird, Elma Pauline.....	Bradshaw, Neb.	Warner, Ida M.....	Boise
Lawwill, John F.....	Ustick	Webster, Hattie Blanch.....	Boise
Lemon, Orange William.....	Council	Werner, Richard Stanley.....	Albion
Lewis, Amy L.....	Nampa	TOTAL IN BOISE SUMMER SCHOOL.....	
Luscombe, Herbert George.....	Meridian	TOTAL IN SUMMER SCHOOL.....	

NON-RESIDENT STUDENTS

Adams, Mary Ellen.....	Nampa	Anderson, David Alvin.....	Moscow
Adriansen, Edith.....	Spokane, Wn.	Anderson, Theodore Clive.....	Moscow
Ailshie, Robert.....	Coeur d'Alene	Andrews, Milton D.....	Spokane
Allen, Carlos M.....	Spokane, Wn.	Arlington, Irma.....	Jerome
Allen, Carol Fay.....	Boise	Aspray, Joseph Melvin.....	Spokane
Allen, Mabelle McConnel.....	Boise	Backlund, Hannah S.....	Mullan
Allison, Lora Marie.....	Caldwell	Baird, Thelma B.....	Grandview, Wn.
Ames, Marguerite.....	Boise	Barns, Ava.....	Richfield

Bayley, Howard W.	Trail, B. C.	Ferris, Bernice Stonestreet	Lewiston
Benham, Margaret	Sheridan, Wyo.	Fisher, George Morris	Spokane, Wn.
Berglund, Elmer Alfred	Coeur d'Alene	Fisher, Harold	Twin Falls
Berry, Vern E.	Dryden, Wn.	Fleming, Marjón Daniel	Moscow
Bicknese, Adah	Lewiston	Flynn, Mary	Pocatello
Black, Pearl K.	St. Maries	Frizelle, Harriette Jane	Coeur d'Alene
Blank, Charlie Floyd	Latah, Wn.	Gabbart, Aileen A.	Twin Falls
Blankenhorn, Lois Enders	Spokane, Wn.	Gagon, Frances M.	Bancroft
Blone, Virginia Angell	Washington, D. C.	Gallet, Frances Marian	Boise
Boardman, Thomas T.	Mountain Home	Galloway, Eleanor	Weiser
Booth, John M.	Sandpoint	Galloway, Mary	Weiser
Bossuet, Mabel F.	Boise	Geddes, Zola	Winchester
Bowler, Martha	Gooding	Gimble, Germaine Jean	Coeur d'Alene
Boyd, Paul Sheehan	Buhl	Gooding, Mary Janet	Weiser
Brashear, Florence May	Post Falls	Goolsbey, Lillian D.	Sandpoint
Brown, Camilla	Kellogg	Grahner, Foren A.	New Plymouth
Brown, Effie Myrtle	Reubens	Griffith, Glynn Kinnie	Oaklev
Brown, George Anne	Kellogg	Griffith, Gwendolyn	Oaklev
Brown, Robert E.	Arco	Grieser, Theodore	Moscow
Buckles, Nellie	Lewiston	Grinsfelder, Henry	Spokane, Wn.
Burnett, Hugh	Newport, Wn.	Groseclose, Arta L.	Julietta
Cady, Ruby Spencer	Moscow	Guernsey, William	Spokane, Wn.
Callaway, Mary Cathryn	Caldwell	Gunderson, Shirley M.	Huntington, Ore.
Callaway, William Robert	Kellogg	Hall, Dorothy Helen	Spokane, Wn.
Campbell, Flora Carolyn	Sandpoint	Hall, Georgia Almorine	Pocatello
Carney, Charles Eaton	Spokane, Wn.	Hammond, Cecil	Nampa
Case, Corinne	Kuna	Hanley, Anna Teresa	Cottonwood
Casey, Jessie Marion	Bonnors Ferry	Hanna, Kathryn Margaret	Tensed
Cave, Inez	Bonnors Ferry	Hansen, Katherine	Sacramento, Cal.
Chadburn, Florence	Carlin Bav	Hare, Mabel Nora	Viola
Chasteen, Margaret	Filer	Harding, Alice	Nezperce
Chatburn, J. Vard	Rigby	Harker, Ray	Idaho Falls
Chesley, Charlotte	Orofino	Harman, Warren Justin	Rosalie, Wn.
Christensen, Mabel	Firth	Harper, Willard Whitefield	Filer
Christensen, Esther Jeanette	Moscow	Harris, Nancy	Pavette
Christiansen, Clista	Downey	Harward, Virginia	Hazelton
Christopher, Musetta Mary	Palouse, Wn.	Hasley, John Lester	Albion
Clare, Carl Peter	Chicago, Ill.	Hawk, Milan E.	Shellev
Clare, Pauline	Cambridge	Hawkins, James W.	Coeur d'Alene
Clark, Mary Isabelle	Twin Falls	Hayes, Teresa S.	Lewiston
Clark, William Benton	Moscow	Hays, Arthur H.	Boise
Collette, Jean	Burley	Heath, Bertrand	Moscow
Cone, Charles E.	Ephrata, Wn.	Heimsoth, Helen H.	Council
Connelly, Agnes Marie	St. Anthony	Heinrich, Marie L.	McCall
Coon, Anne	American Falls	Henderson, Patricia	Bozill
Cornwell, Albert E.	Monmouth, Ore.	Henry, Lola	Eden
Cottrell, Alberta	Boulder, Colo.	Hirschler, Philip Sheridan	Paul
Couper, Jean M.	Weiser	Hoisington, Carl W.	Moscow
Cromwell, John Frederic	Gooding	Holsinger, Harold	Nampa
Crosen, Thomas R.	Winchester	Hoopes, Anna Marie	Moscow
Crutchfield, Philip S.	Wendell	Horst, Elizabeth	Nampa
Cunningham, Florence P.	Coeur d'Alene	Houmann, Meta	Boise
Daugherty, Lourine	Twin Falls	Howerton, Lowell	Boise
Davis, Daniel	Basalt	Howerton, Miriam	Oklahoma City, Okla.
Davis, George L.	Lewiston	Hoyer, Doris K.	Boise
Decker, Cleo	Kooskia	Humphrey, Martha M.	Twin Falls
Derr, Alfred M.	Clarksfork	Hunt, Ernest Frank	Meridian
Dickson, Leigh M.	Colfax, Wn.	Hurt, Ethel Estella	Caldwell
Douglas, Helen Dorothy	St. Maries	Jain, Lela Grace	Moscow
Downey, Margaret	Blackfoot	Jeffries, Mary Agnes	Moscow
Draper, Harriett	Nampa	Jemison, George Meredith	Coeur d'Alene
Drummond, Harold	Kellogg	Johnson, Esther Aurora	Wallace
Duff, Frances Ondes	Plainsfield, N. J.	Johnson, Lloyd Gilmore	Elk River
Duke, Alma Earl	St. Anthony	Johnson, Lyla H.	Hagerman
Dunn, Elizabeth	Wallace	Johnston, Ruth Vivienne	Kendrick
Dunn, Ralph Hall	Hazelton	Joice, Margaret E.	Nampa
Dwyer, Cecilia	Avon	Kelly, Alice Rosemary	Spokane, Wn.
Dwyer, Helena	Avon	Kennedy, Lois G.	Chicago, Ill.
Eastman, Elizabeth Mary	Boise	Kenworthy, Milburn	Moscow
Eaton, Ruth Viola Cecile	Wendell	Kernkamp, Blanche	Coeur d'Alene
Edwards, Elinor Blythe	Roberts	Killian, Donald E.	Moscow
Eggler, Willis	Black River Falls, Wis.	Kimpton, C. W.	Hagerman
Enders, Bessie I.	Post Falls	King, Laura Edna	Lewiston
Ensign, Arthur Willis, Jr.	Hailey	King, Margaret F.	Moscow
Evans, Myrthus W.	Moscow	King, Richard Duncan	Boise
Evans, Rhoda Louise	Lava Hot Springs	Klebe, Charles	Rupert
Evans, Virgil Jenkins	Coeur d'Alene	Knight, Eldred Vinson	Blackfoot
Fairchild, Hilda Williams	Centerville	Knowlton, Margaret	Nampa
Fattu, Nicholas A.	Kellogg	Knutz, Amelia May	Genesee
Faulkner, Jonas Craton	Moscow	Kraemer, Marcella Evelyn	Plummer

Lambdin, Willard Clarke...	Uniontown, Wn.	Rauch, Emma Agnes.....	Coeur d'Alene
Lame, Charles C.....	Winchester	Reardon, Thomas Alvin.....	Post Falls
Landkammer, Catherine.....	Lewiston	Reid, Elva.....	Moscow
Lang, Nell Ruby.....	Bonnors Ferry	Reuter, Carl T.....	Fenn
Langford, Wilbur.....	Preston	Riesbol, Herbert S.....	Lapwai
Langston, Mae Richardson.....	Powers, Ore.	Rietze, Florence Ethel.....	Moscow
Lappin, Ruth Viola.....	Council	Rippe, Oscar H.....	Moscow
Larkam, Sara Lois.....	Culdesac	Romaine Vera B.....	Jerome
Larson, Carl Henry.....	Spirit Lake	Rowell, Ruth.....	Lewiston
Larson, Ethel.....	Moscow	Rudy, Paul L.....	Fort Wright, Wn.
Larson, Willard Abner.....	Preston	Ruehle, Archie Edwin.....	Port Townsend, Wn.
Lavering, Elijah Everett.....	Long Beach, Cal.	Russell, Gladys Webster.....	Lewiston
Lee, Harold E.....	Medford, Mass.	Sanborn, Edith A.....	Spokane, Wn.
Leithe, Erick Merila.....	Coeur d'Alene	Schlechter, Leona L.....	Grandview
Lessey, Elsie.....	Moore	Scholer, Margargt Elsie.....	Rupert
Little, Agnes M.....	Emmett	Scott, Glendon.....	Carey
Logan, Joshua Reece.....	Seattle, Wn.	Seagraves, Betty.....	Coeur d'Alene
Long, Irma M. Thomas.....	Boise	Sheffield, Olive Helen.....	Walla Walla, Wn.
Long, Jere James.....	Twin Falls	Sherlock, Helena Blanche.....	Twin Falls
Long, Sam V.....	Absurokee, Mont.	Shira, Ruth E.....	Blackfoot
Loohong, Ashlong Jacobsen.....	Union, Ore.	Smith, Charlotte E.....	Spokane, Wn.
Loveless, Helen Gertrude.....	Coeur d'Alene	Smith, Elizabeth A.....	Salmon
Lowe, Esther Opal.....	Kimberly	Smith, Irene Wells.....	Moscow
Luke, Cornell Leroy.....	Moscow	Smith, Marcella.....	Spirit Lake
Luke, Melvin.....	Moore	Smith, Raleigh Webster.....	Leland
Luke, Orral Stanford.....	Moscow	Smothers, Ruth Elda.....	Lewiston
Lundquist, Armand H.....	Moscow	Snider, Lilas Lee.....	Gooding
Luscombe, Herbert G.....	Winchester	Snook, Henry W.....	Moscow
Luzadder, Helen Wilson.....	Nampa	Snyder, Margaret E.....	Heise Hot Springs
McAllister, Waif.....	Lewiston	Solberg, Emma Louise.....	Lewiston
McCall, Clarence J.....	Caldwell	Spiker, Margaret Mueller.....	Lewiston
McDowell, Kenneth J.....	Moscow	Stamm, Alice.....	Moscow
McGrane, Frank.....	Grangeville	Sterman, Berniece.....	Burley
McMahon, Verna.....	Shoshone	Stellman, Hazel.....	Nezperce
Maberly, Thomas Edward.....	Caldwell	Stephenson, Derrick A.....	Nampa
Maggart, Isabell R.....	Burley	Storjohann, Marvin.....	Mullan
Mason, Amy.....	Shoshone	Swain, Helen Elizabeth.....	Mountain Home
Mathewson, Flo Dale.....	Wendell	Swanson, Grace.....	Garfield, Wn.
Matson, Helen Marguerite.....	Donnelly	Sweeney, Sarah.....	Culdesac
Mattson, Ermel Pearl.....	Culdesac	Tate, Evelyn.....	Kimberly
Meeker, Elva E.....	Fruitland	Taylor, Ralph Albert.....	Lewiston
Melgard, Alice G.....	Orofino	Tenney, Helen.....	Gooding
Merwin, Evelyn S.....	Orofino	Thomas, James J.....	Boise
Michael, Dale C.....	Orofino	Thomas, Jeanette.....	Blanchard
Minger, Ionemarie.....	Lewiston	Thometz, Marguerite.....	Twin Falls
Mithlethun, K.....	Wabek, N. D.	Thompson, Ivan.....	Moscow
Montgomery, John Frank.....	Moscow	Thomson, Andrew Halleck.....	Moscow
Montgomery, Ray Henry.....	Vincennes, Ind.	Timken, Mildred Georgia.....	Kellogg
Moore, Robert A.....	Moscow	Tomkins, Paul Brooke.....	Cascade Locks, Ore.
Moriarty, Sister M. Coline.....	Cottonwood	Townsend, Flossie Nichols.....	Bovill
Murphy, Mary Elizabeth.....	Pocatello	Trauger, Ersie E.....	Moscow
Murray, Vera Mary.....	Hazelton	Tupper, Alta.....	Clarkston, Wn.
Myrene, Clarence.....	Moscow	Turner, Mary E.....	Wallace
Neal, Mary V.....	Boise	Turner, Nell Adelaide.....	Bruneau
Newell, Donna Marguerite.....	Spokane, Wn.	Turney, Mrs. George A.....	McCall
Newman, Olive A.....	Moscow	Tuttle, Leah R.....	Walla Walla, Wn.
Nichols, Erma Lucile.....	Spokane, Wn.	Tuttle, Lucinda Verna.....	Moscow
Nielson, Leo H.....	Burley	Urell, Thomas.....	Pasadena, Cal.
O'Brien, James R.....	Spokane, Wn.	Vanderford, Bessie.....	Payette
Oliver, Marguerite I.....	Moscow	Van Hoesen, Mynderse G.....	Mesa
Oravetz, Mary.....	Nampa	Van Orman, Pearl.....	Montpelier
Otter, John Vernon.....	Pocatello	Van Sice, Edith.....	Weiser
Ouse, Hazel May.....	Genesee	Vaupell, Helen Kathryn.....	Tekoa, Wn.
Owens, Herbert Evan.....	Twin Falls	Voris, Nina.....	Caldwell
Paris, Greta.....	Gifford	Walden, Ruth Elizabeth.....	Nampa
Park, Charles Raymond.....	Idaho Falls	Walker, Nora Humphreys.....	Plummer
Park, Eliza.....	Yale, Wn.	Walker, Patrick Henry.....	Spokane, Wn.
Paterka, Pauline Harriet.....	Republic, Wn.	Walker, Raymond.....	Butte, Mont.
Pearce, Beatrice.....	Washtucna, Wn.	Walters, Ione.....	Caldwell
Pearce, Thelma Bernadine.....	Kellogg	Ward, Marguerite Ruthe.....	Moscow
Peavey, Arthur J., Jr.....	Twin Falls	Ware, Esther M.....	Moscow
Peck, Virginia.....	Buhl	Ware, Eugene S.....	Coeur d'Alene
Phillee, Archibald Mervin.....	Spokane, Wn.	Warner, Ida.....	Boise
Pittwood, Elvie May.....	Orofino	Warren, Clinton C.....	Weiser
Pontius, Rex R. B.....	Lewiston	Wells, Mary De.....	Rockford Bay
Powell, Dorothy.....	Moscow	Westerlund, Blenda.....	Melrose
Powell, George Henry.....	Sandpoint	White, Evelyn.....	Hollis, Okla.
Pringle, Jacquelyn.....	Eugene, Ore.	White, Nellie Cecelia.....	Mountain Home
Randall, Ruth Louise.....	Lewiston	White, Russell Conwell.....	Salmon
Rasmussen, Elva.....	Logan, Utah	Wicks, Lillian.....	Midvale

Williams, Elizabeth.....	Hill City	Wolff, Ruth Regina.....	Genesee
Williams, Mildred.....	Jerome	Wormell, Marian A.....	Lewiston
Wilson, Nola.....	Genesee	Wright, Calvin E.....	Burley
Wilson, Patricia.....	Twin Falls	Wright, Robert Glenn.....	Hailey
Winchester, Ruby A.....	Mullan	Young, Burris Lester.....	Moscow
Wiswall, Clinton Henry.....	Jerome	Young, Helen A.....	Rathdrum
Wolfe, Walter H.....	Cambridge	NON-RESIDENT STUDENTS, 349	

POULTRY SHORT COURSE

Arnold, L. D.....	Moscow	Jacksha, John.....	Colton, Wn.
Bakkensen, Pearl.....	Moscow	Luce, Clyde.....	Moscow
Billberg, Fred I.....	Orofino	Luce, C. B.....	Moscow
Brown, Angie.....	Moscow	Kimberling, J. E.....	Moscow
Carlson, John.....	Moscow	Mingo, Mrs. D. M.....	Moscow
Dunlavy, Mrs. J. L.....	Moscow	Narum, Henry.....	Moscow
Engle, David.....	Princeton	Ott, C. M.....	Moscow
Fix, Wilber O.....	Lewiston	Passmore, W. B.....	Moscow
Goddard, Mrs. Wesley.....	Moscow	Pfander, Irma.....	Moscow
Goddard, Wesley.....	Moscow	Sharbach, F. J.....	Colton, Wn.
Hauber, Mattie.....	Yakima, Wn.	Stinimates, M. W.....	Moscow
Hordeman, John.....	Moscow	Steward, A. L.....	Orchard

POULTRY SHORT COURSE, 24

TRACTOR SHORT COURSE

Bell, Oscar E.....	Moscow	Heinrich, William.....	Genesee
Brood, Walter.....	Moscow	Lauer, John.....	Cottonwood
Christensen, Nels Martin.....	Moscow	Martin, Fred L.....	Moscow
Daniel, Glenn.....	LaCrosse, Wn.	Stroebel, Fred.....	Moscow
Doyle, Clair.....	Genesee	Sweeney, Cornelius.....	Genesee
Driscoll, Jack.....	Moscow	Wallace, Dale.....	Moscow
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SCHOOL OF PRACTICAL AGRICULTURE

First year 1; second year 2; dairy course d.	Lattig, Howard J., d.....	Payette
Bennett, Gordon Dale, 1.....	Lyon, Arnold, d.....	Moscow
Danilson, Earl A., d.....	Middleton, Arthur W., d.....	Weiser
Haderlie, Richard W., 2.....	Sawyer, Herlan I., d.....	Kansas City, Mo.
Hanson, Gerhard O., d.....	Shadduck, Harvey, d.....	Coeur d'Alene
Hawk, Elwyn Dean, d.....	Street, Edgar L., d.....	Caldwell
Hobson, Harold Glenn, 1.....	SCHOOL OF PRACTICAL AGRICULTURE, 3	
	FIVE MONTHS' DAIRY, 9	

AUTO MECHANICS

Fowler, Gilbert Cooper.....	Nakusp, B. C.	Scott, Walter W.....	Jamieson, Ore.
Henricksen, George B.....	Lewiston	Shriver, Gilbert Hiram.....	Kamiah
Kantola, Rayno J.....	Roseberry	Struthers, Alvin Harold.....	Vale, Ore.
Kinkaid, Leonard Powell.....	Kennewick, Wn.	Swedlund, Einar L.....	Worley
Kunnas, Elmer.....	Arling	Thornber, Gordon Henry.....	Lewiston
Miller, Charles Walter.....	Moscow	Trevithick, Clifford.....	Harrington, Wn.
Nelson, Henry E.....	Clements ville	Trevithick, Merton Keith.....	Harrington, Wn.
Nelson, Lester J.....	Clements ville	Wassmuth, Arnold B.....	Greencreek
Parker, Cecil T.....	Kuna	Woodhouse, Clyde Arthur.....	Caldwell
Parks, Charles Harold.....	Leland	Yarber, Clarence Earl.....	Lewiston
Rathbun, Arthur Glen.....	Moscow	AUTO MECHANICS, 21	

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

SUMMARY

	College	Non- Resident	Special Courses	Summer School
Idaho	1663	286	75	288
States other than Idaho.....	264	62	11	21
Territories and For- eign Countries.....	16	1	1	...
Total.....	1943	349	87	309

COUNTIES IN IDAHO

	College	Non- Resident	Special Courses	Summer School
Ada	175	18	3	74
Adams	4	3	...	1
Bannock	44	7	...	1
Bear Lake	7	1	...	...
Benewah	28	5	...	2
Bingham	23	6	...	6
Blaine	13	3	...	1
Boise	1	2	...	...
Bonner	33	5	...	4
Bonneville	25	2	...	1
Boundary	21	3	...	...
Butte	5	3	...	...
Camas	2	1	...	1
Canyon	84	15	3	16
Caribou	3	...	...	...
Cassia	26	8	...	8
Clark	6	...	...	...
Clearwater	17	5	1	4
Custer	8	...	...	...
Elmore	13	1	...	2
Franklin	6	2	...	1
Fremont	21	2	...	...
Gem	20	1	...	4
Gooding	26	9	...	11
Idaho	34	4	2	4
Jefferson	8	3	...	...
Jerome	22	8	...	2
Kootenai	100	21	2	16
Latah	445	58	50	82
Lemhi	15	2	...	...
Lewis	25	5	1	2
Lincoln	4	2	...	...
Madison	4	...	...	1
Minidoka	27	3	...	10
Nezperce	94	29	5	13
Oneida	14	...	...	4
Owyhee	6	2	...	...
Payette	28	4	1	...
Power	3	1	...	...
Shoshone	84	13	...	4
Teton	2	...	2	...
Twin Falls	95	17	2	7
Valley	9	3	2	...
Washington	33	9	1	6
Total.....	1663	286	75	288

STATES OTHER THAN IDAHO

	College	Non- Resident	Special Courses	Summer School
California	23	3	...	3
Colorado .....	...	1	...	...
Florida	2	...	...	...
Illinois	6	2	...	...
Indiana	1	1	...	...
Iowa	4	...	...	1
Kansas	5	...	...	1
Massachusetts	3	1	...	...
Michigan	3	...	...	...
Minnesota	1	...	...	...
Missouri	2	...	1	...
Montana	2	2	...	2
New Jersey .....	...	1	...	...
New Mexico	1	...	...	...
New York	5	...	...	1
North Dakota	2	1	...	...
Ohio	3	...	...	...
Oklahoma .....	...	2	...	...
Oregon	19	6	2	3
Pennsylvania	3	...	...	...
Rhode Island	1	...	...	...
Texas	2	1	...	1
Utah	2	...	...	...
Washington	163	38	8	9
Washington, D. C. .....	...	1	...	...
Wisconsin	1	1	...	...
Wyoming	6	1	...	...
Total.....	264	62	11	21

TERRITORIES AND FOREIGN COUNTRIES

	College	Non- Resident	Special Courses	Summer School
Canada	4	1	1	...
India	3	...	...	...
Philippine Islands	9	...	...	...
Total.....	16	1	1	...

CONSOLIDATED ENROLMENT TABLE, YEAR 1928 TO APRIL 20, 1929

COLLEGE, COURSE OR CURRICULUM	Graduates			Seniors			Juniors			Sophomores			Freshmen			Unclassed			Total by Curricula			Total by Colleges		
	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																								
COLLEGE OF LETTERS AND SCIENCE.	25	19	44	39	82	121	52	83	135	61	91	152	118	128	246	6	7	13	155	252	407	301	410	711
Arts.....	9	15	24	23	47	70	26	52	78	28	55	83	66	78	144	5	5	10	61	23	84			
Science.....	16	4	20	4	5	9	12	4	16	6	6	12	20	4	24				63	4	67			
Pre-Medical Studies.....				7		7	13		13	19	1	20	24		27									
Home Economics.....					23	23		17	17		16	16		31	31					87	87			
Music (B.M.).....				1	1	2		4	4		1	1	1	1	3			1	2	10	12			
Music (B.S.M.).....					5	5	1	3	4	2	7	9		5	5				3	20	23			
Architecture.....				4		4				6		6	7		7				17		17			
Pre-Nursing.....					1	1		5	5		5	5		4	4			1	1	14	14			
COLLEGE OF AGRICULTURE.....	8		8	24		24	22		22	31	1	32	54		54	1		1				140	1	141
COLLEGE OF ENGINEERING.....	5		5	35		35	28		28	57		57	70		70							195		195
Civil Engineering.....	3		3	5		5	7		7	11		11	12		12				38		38			
Electrical Engineering.....				18		18	14		14	27		27	32		32				91		91			
Mechanical Engineering.....	1		1	2		2	2		2	11		11	18		18				34		34			
Chemical Engineering.....				9		9	4		4	8		8	6		6				27		27			
Agricultural Engineering.....	1		1	1		1	1		1				2		2				5		5			
COLLEGE OF LAW.....				10		10	5		5	7		7										22		22
SCHOOL OF MINES.....	2		2	12		12	11		11	13		13	14		14	1		1				53		53
Mining Engineering.....				3		3	4		4	6		6	10		10	1		1			24			
Geology.....				5		5	3		3	6		6	2		2				16		16			
Metallurgy.....	2		2	4		4	4		4	1		1	2		2				13		13			
SCHOOL OF FORESTRY.....	6		6	10		10	20		20	27		27	31		31	3		3				97		97
SCHOOL OF EDUCATION.....	12	5	17	33	35	68	36	47	83	45	59	104	63	69	132		2	2				189	217	406
SCHOOL OF BUSINESS ADMINISTRATION.....				35	3	38	45	9	54	77	13	90	108	28	136	2		2				267	53	320
TOTAL IN REGULAR CURRICULA.....	58	24	82	198	120	318	219	139	358	318	164	482	458	225	683	13	9	22				1264	681	1945*
SPECIAL COURSES.....																						65	22	87
Music.....																			2	15	17			
Auto Mechanics.....																			21		21			
Commercial Dairying.....																			9		9			
S. P. A.....																			3		3			
Poultry Husbandry.....																			17	7	24			
Tractor.....																			13		13			
NON-RESIDENT (College Credit).....																						137	212	349
SUMMER SCHOOL (Boise).....				Undergrad: men, 19, women, 69; tot. 88										Special Music					19	69	88			
SUMMER SCHOOL (Moscow).....	56	21	77	Undergrad: men, 42, women, 100; tot. 142										Special Music			2	2	98	123	221	117	192	309
GRAND TOTAL.....																						1583	1107	2690*
Deduct for names entered more than once:																								
Students registered in 1928 summer school and regular curricula, 1928-29 (Boise.....5 5).....																			23	51	74			
Students registered in 1928 summer school and non-resident courses, 1928-29.....																			16	31	47			
Students registered in regular curricula and non-resident courses, 1928-29.....																			54	67	121			
*Deduct two men for midyear graduates taking graduate work.....																			2		2	95	149	244
NET TOTAL.....																						1488	958	2446

SOUTHERN BRANCH
CONSOLIDATED ENROLMENT TABLE, YEAR 1928 TO MARCH 1, 1929.
(These figures are not included in the tables on preceding pages)

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