THE UNIVERSITY OF IDAHO
BULLETIN

VOL. XXVIII No.1

CATALOG NUMBER

For 1932-1933 Sessions

With Announcements for 1933-1934

MOSCOW, IDAHO APRIL, 1933

Published by

THE UNIVERSITY OF IDAHO

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

Contents

(For the complete index, see page 253)

Page

PART I. GENERAL INFORMATION 5

PART II. ADMISSION REQUIREMENTS AND REGULATIONS 21

PART III. SCHOOLS, COLLEGES, CURRICULA 39

- Senior College of Letters and Science 41
- College of Agriculture 52
- College of Engineering 59
- College of Law 64
- School of Mines 69
- School of Forestry 74
- School of Education 79
- School of Business Administration 82
- Graduate School 86
- University Junior College 90
- Southern Branch 95

PART IV. EXPERIMENT STATIONS, EXTENSION, NON-RESIDENT INSTRUCTION, SUMMER SCHOOL 99

- Agricultural Experiment Station 101
- Engineering Experiment Station 103
- Idaho Bureau of Mines and Geology 104
- Agricultural and Home Economics Extension 104
- Non-Resident Instruction 105
- Summer School 108

PART V. DEPARTMENTS OF INSTRUCTION 111

(All Departments of the University arranged alphabetically, with a description of courses)

PART VI. OFFICERS AND FACULTY 203

PART VII. ALUMNI, DEGREES, HONORS 221

- Alumni Organization 223
- Degrees Granted in 1932 223
- Honor List for 1932 228

PART VIII. STUDENT LIST, ENROLLMENT STATISTICS 229

- List of Students 231
- Geographical Distribution of Students 250
- Enrollment Tables 251
- Index 253

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Divisions of the University

SENIOR COLLEGE OF LETTERS AND SCIENCE
COLLEGE OF AGRICULTURE
COLLEGE OF ENGINEERING
COLLEGE OF LAW
SCHOOL OF MINES
SCHOOL OF FORESTRY
SCHOOL OF EDUCATION
SCHOOL OF BUSINESS ADMINISTRATION
GRADUATE SCHOOL
UNIVERSITY JUNIOR COLLEGE
SOUTHERN BRANCH (Pocatello)
AGRICULTURAL EXPERIMENT STATION
ENGINEERING EXPERIMENT STATION
AGRICULTURAL AND HOME ECONOMICS EXTENSION
NON-RESIDENT INSTRUCTION
SUMMER SCHOOL

Calendar of the University

FIRST SEMESTER

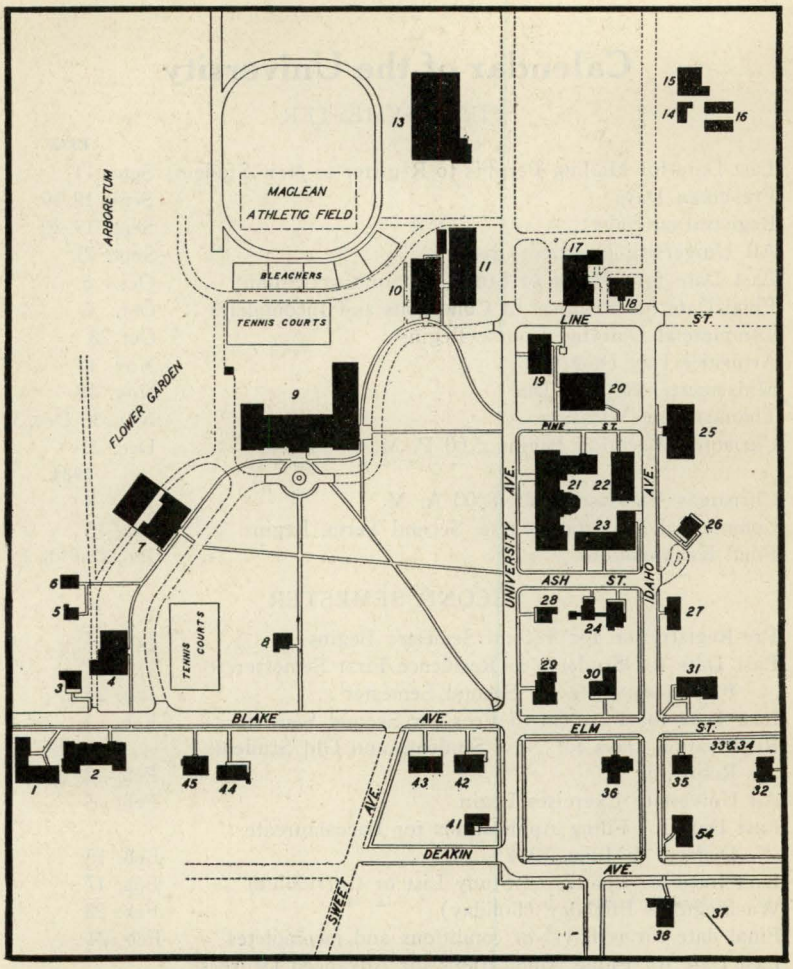
	1933
Last Date for Mailing Permits to Register to New Students	Sept. 11
Freshman Days	Sept. 18, 19
Registration Days	Sept. 19, 20
All University Exercises Begin	Sept. 21
Last Date for Change of Study List or Curriculum	Oct. 5
Final Date for Removal of Conditions and Incompletes	Oct. 7
Commercial Dairying Course Begins	Oct 23
Armistice Day (holiday)	Nov. 11
Midsemester Reports Due	Nov. 18
Thanksgiving Vacation	Nov. 30-Dec. 3
Christmas Vacation Begins, 5.00 P. M.	Dec. 21
	1934
Christmas Vacation Ends, 8:00 A. M.	Jan. 4
Commercial Dairying Course, Second Term, Begins	Jan. 15
Final Examinations	Jan. 27-Feb. 3

SECOND SEMESTER

Pre-Registration for Second Semester Begins	Jan. 4
Last Date for Students in Residence First Semester to File Study Lists for Second Semester	Jan. 25
Last Date for Payment of Fees for Second Semester	Feb. 1
Registration Days for New Students and Old Students Returning	Feb. 2, 3
All University Exercises Begin	Feb. 5
Last Date for Filing Applications for Baccalaureate Degrees in June, 1934	Feb. 15
Last Date for Change of Study List or Curriculum	Feb. 17
Washington's Birthday (holiday)	Feb. 22
Final date for removal of conditions and incompletes	Feb. 24
Last Date for Filing Applications for Advanced Degrees in June, 1934	Mar. 15
Commercial Dairying Course, Second Term, Ends	Mar. 23
Midsemester Reports Due	Apr. 4
Spring Vacation	Apr. 5-8
Memorial Day (holiday)	May 30
Final Examinations	June 2-9
Commencement	June 11

SUMMER SCHOOL

Summer School Begins	June 12
Summer School Ends	July 20



THE CAMPUS OF THE UNIVERSITY

(As approached from the East, which is the town side) Part of the University Farm is shown in the upper right corner.

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

NOTE:—The L.D.S. Institute, corner of Deakin and University avenues, the new Sigma Nu house, Elm street, and the new Sigma Alpha Epsilon house, Deakin and Sweet avenues, are not shown on this map.

PART I
General Information

THE UNIVERSITY OF IDAHO

This, the catalog number of the University of Idaho Bulletin, is published to place before the people of the State material concerning the educational facilities provided by the various Schools and Colleges comprising the State University.

HISTORY AND GROWTH

THE State of Idaho maintains the University of Idaho "for the training of her future citizens to their highest usefulness in private life and public service."

The University of Idaho was established in January, 1889, by an Act of the Fifteenth Territorial Legislature. Classes began in October, 1892, with an enrollment of approximately 40 students.

Control of the University, together with all other public schools, is in the hands of the State Board of Education and Board of Regents of the University of Idaho. This board consists of five members appointed by the Governor, with the State Superintendent of Public Instruction, ex-officio.*

From a humble beginning, before Idaho became a State, the University of Idaho has become one of the better known state universities of the West. Its grand total enrollment has numbered more than 13,000 students. Nearly 4,000 bachelor's and master's degrees have been granted. In addition to instructing the youth of Idaho, the University has extended valuable technical and professional services to practically every industry and community of the State and has reached thousands through Agricultural Extension, Non-Resident instruction, and the Summer Sessions.

The University of Idaho is on the fully accredited list of the Association of American Universities; is an accredited member of the Northwest Association of Secondary and Higher Schools; is recognized by the American Association of University Women, the American Medical Association, the American Bar Association, and meets other standards as listed in the College Blue Book. The University also is a member of the Association of Land-Grant Colleges and Universities. Degrees and undergraduate credits of the University of Idaho are accepted by every university in the United States.

The University comprises 16 divisions, which will be found listed in detail in the front of this catalog. For a detailed statement of latest enrollment figures and a complete directory of faculty members see Parts VI and VII. Except for the Pharmacy degree, granted at the Southern Branch, all of the degree-granting divisions of the University are at the Main Campus at Moscow. The work of the Southern Branch, which is a junior college except in Pharmacy, parallels the first two years at the Main Campus, enabling students to complete their work at Moscow for degrees without loss of time.

In addition to the Main Campus at Moscow and the Southern Branch at Pocatello, the University of Idaho embraces agricultural experimental farms at Moscow, Sandpoint, Caldwell, Aberdeen, and Tetonia; agricul-

*For Members of the Board of Regents see Part VI.

tural experimental field laboratories at Boise, Twin Falls, and Parma; agricultural and home economics extension offices in Boise, Pocatello, Burley, Rupert, and Moscow; extension service and cooperative field experimentation in nearly all counties; correspondence instruction in 162 separate courses; a Summer School at Moscow; and a wide range of public service touching all of the industries and professions of the State.

The physical plant of the University at Moscow was valued at approximately $2,140,000 in 1932, and that of the Southern Branch at approximately $900,000. The University campus and college farm embraces about 625 acres. Agricultural substation farms embrace an additional 750 acres. The Southern Branch campus proper covers 25 acres, with 150 acres of undeveloped land owned by the University immediately adjacent. The University has approximately 10,000 acres of experimental forest land located from 6 to 18 miles from the University campus. A section of this land is about six miles from the campus. In 1932 the School of Forestry received from the Forest Development Company of Lewiston a gift of 3,646 acres located about 18 miles from the Moscow campus.

Few universities have a more beautiful campus than the University of Idaho. Its buildings offer an attractive architectural harmony. Grouped closely about the campus are 20 student-owned residences, 12 being fraternities and 8 sororities. Many of these student homes are outstanding examples of attractive architecture.

The massive Administration Building is the center of the Campus. It houses all administrative offices, the Colleges of Letters and Science and Law, the Schools of Business Administration and Education, the University Library, and the Auditorium. Other major buildings on the campus include Science Hall, Memorial Armory-Gymnasium, Women's Gymnasium, Engineering Building, Morrill Hall, Geology Building, Metallurgical Laboratory, Forney Hall and Hays Hall, women's residences; Lindley Hall and Ridenbaugh Hall, men's residences; Dairy Building; and more than a dozen buildings on the college farm.

THE UNIVERSITY LIBRARY is a carefully selected and growing collection of books, periodicals, and other material, gathered primarily to meet the needs of undergraduate work. Each year some progress is made in securing materials for more advanced research and it is hoped that in time an adequate university library will be accumulated. The collection now approaches 100,000 volumes made usable by a carefully prepared catalog, by various indexes and other bibliographical aids. About 500 periodicals are received regularly and reference files are maintained.

The library is primarily for the use of faculty and students but all citizens of the State are welcome to make use of it.

THE BORAH FOUNDATION was established at the University of Idaho through the generosity of Salmon O. Levinson of Chicago, who donated to the University a fund to be known as the "William Edgar Borah Outlawry of War Foundation." The resolution of the State Board of Education and Regents of the University of Idaho in accepting this Foundation explains the manner and purpose of its establishment in the following

words: "In recognition of the priceless contribution of Senator William Edgar Borah to the cause of world peace through his masterly advocacy of the outlawry of war, and out of deep admiration and friendship for him, Salmon O. Levinson of Chicago offers to the Board of Regents of the University of Idaho to create and endow, to the amount of fifty thousand dollars, the William Edgar Borah Outlawry of War Foundation. The purpose of the Foundation is to establish in the University of Idaho a lectureship for the promotion of a better understanding of international relations, of the age-old struggle with the baffling problem of war, and of the vital part played in its solution by William Edgar Borah." The first lectures were given at the University in the fall of 1931 by Manley O. Hudson, Bemis Professor of International Law, Harvard University. These lectures have since been published in a book entitled, "Progress in International Organization."

PUBLICATIONS

THE UNIVERSITY OF IDAHO BULLETIN series includes the *University Catalog;* information publications for alumni and prospective students; announcements of the several Schools, Colleges, and their curricula; the University illustrated booklet; research studies in Agriculture, Forestry, and Engineering; and the biennial report of the President.

AGRICULTURAL PUBLICATIONS.—The University publishes bi-monthly the *News Letter,* devoted to agricultural and 4-H Club news and articles. *Agricultural Experiment Station Bulletins* contain full accounts of results of investigations 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,* Associated Students' yearbook; *The Idaho Blue Bucket,* humorous quarterly; *Under the Helmet,* a literary yearbook compiled jointly by the Winged Helmet and the English Club; *The Idaho Engineer,* engineering students' semi-annual technical journal; and *The Idaho Agriculturist,* agricultural students' annual.

PUBLIC SERVICE BULLETINS.—*The Idaho Economic Bulletin,* issued by the School of Business Administration; *The Idaho Forestry Bulletin* of the School of Forestry; *The Idaho Forester,* semi-technical and popular publication of the School of Forestry; *The Idaho Law Journal,* a technical law journal published by the College of Law. *State Bureau of Mines and Geology Bulletins* present results of research and field investigation conducted by that division.

EXPENSES

NO TUITION.—No student who has 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 professional departments or for

extra studies. 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 man or woman living in a residence hall will be $400 to $500 a year. Students living in the fraternity or sorority houses will spend more. Students not living on the campus report expenditures ranging from $300 to $500 a year, including clothes (Students whose homes are 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. The immediate financial requirement at the beginning of the year is about $100 to $120, divided as follows: Associated Students (one-half year), $8.50; class dues (one-half year), 50c; health fee (one-half year), $4; room in hall (one-half year), $27; room deposit, $5; board (two weeks), $9; general deposit, $10; extra-curricular fee, $5; laboratory, $1 to $15; books, $10; incidentals, $20 to $25. Music students and students from outside the State will have additional fees as elsewhere described.

EMPLOYMENT.—A substantial percentage of students enrolled at the University earn either a part or all of their expenses by working during the summer or the college year. Work available during the regular session consists of janitorial service, waiting on table, clerking, bookkeeping, secretarial service, housework, and odd jobs. University officials cannot promise employment to prospective students. New students are urged to come prepared to meet the expenses of the first year. A few resourceful students will find incidental work, but they should not depend upon earning a large proportion of their expenses. The University is glad to assist deserving students in finding employment, and applications for positions should be made to the Proctor of Men.

*RATES IN UNIVERSITY RESIDENCES.—Board is $4.50 per week, and must be paid two weeks in advance. Students who room in University halls must also board there. Room rental is $27 a semester, payable in advance. A refund will be made only if the student moves from the hall within one week after the date on which University exercises begin (See Calendar, page 3, for this date for both semesters). 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 college 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 the two women's halls, Mary E. Forney Hall and

*The University reserves the right to raise or lower rates for board and room in University halls at any time upon reasonable notice.

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 1½ 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 2½ 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. *Young women from out of town are requested to live in the University residences or sorority houses unless expressly permitted by the Dean of Women to earn board and room in approved homes.*

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. Application for a room may be made to the Proctor of Men at any time. Students are expected to provide for themselves the following articles: three pairs of sheets for single bed; three pillow slips; a bed spread; a pillow; suitable bedding; towels; dresser scarfs; drinking glass; broom; dust mop; waste paper basket; and a small rug.

Parents living in towns near enough to permit their sons and daughters to make frequent home visits are asked to cooperate with the University in discouraging such visits. Many students who so absent themselves are found to be doing unsatisfactory work.

*FEES

To students coming to the University from points outside of the State of Idaho it is suggested that they bring their money in the form of money orders, certified bank drafts, or travelers' cheques, as in these forms they are easily negotiated without the long wait and inconvenience suffered by the student while personal checks are being sent through for collection by a local bank.

GENERAL DEPOSIT.—Each student is required, upon enrollment, 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.

*The University reserves the right to raise or lower fees at any time upon reasonable notice.

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 from the University physicians and to the privilege of the infirmary under certain restrictions.

LABORATORY FEES.—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 *Idaho 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. A.S.U.I. fees are fixed by the Constitution of the Associated Students.

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.

LATE FILING FEE.—A late filing fee of $1 a day up to a maximum of $10 will be charged those students in residence whose registration blanks are not filed between the dates specified in the pre-registration schedule for the second semester.

LATE REGISTRATION FEE.—Students whose registration is not completed on either of the two registration days in the first semester or before the specified date in the pre-registration procedure for the second semester, will be charged a late registration fee of $3 for the first day; $2 additional for the second day; and $1 additional each day thereafter up to a maximum of $10.

DIPLOMA FEES.—A diploma fee of $5 is charged all applicants for a degree from the University.

REFUND 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.

HALL RENT.—To receive a refund of hall rent students must vacate their rooms within one week after the day on which all University exercises begin (see Calendar of the University, page 3, for this date for each semester). If students occupy the rooms longer than this time, hall rents are non-refundable.

MUSIC FEES.—Tuition fees for private instruction in applied music may, upon prompt application by the students withdrawing, be refunded according to the following schedule: during the first two weeks of a semester, five-sixths; during the 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 fixed by the Constitution of the Associated Students. The following statement from Article X, Section 6 of the By-Laws covers refunds of these fees: "If a member discontinues his college work within two weeks after date of registration, his dues may be refunded, less twenty-five cents (25c) upon application to the Graduate Manager."

General Deposit.—The unused balance of the general deposit is refundable, provided withdrawal is in accord with the requirements of paragraph 21, under "Regulations," Part II.

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

SCHOLARSHIPS AND PRIZES

The Alpha Kappa Psi Medallion is given each fall to the Senior man in the School of Business Administration who has made the highest scholastic average in his Sophomore and Junior years.

The Alpha Zeta Cup is awarded each fall to the Sophomore student in the College of Agriculture who attains the highest scholarship during his Freshman year.

Borah Debate Prize.—In 1907 Senator William Edgar 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 Crites-Moscow Seed Company Fellowship.—The Crites-Moscow Seed Company has established a research fellowship in the College of Agriculture, Department of Agronomy, for the purpose of conducting research in pea germination and vitality. The fellowship carries an annual stipend of $600, and enables the candidate to secure his master's degree in one year. Candidates should have received their bachelor's degree from an agricultural college of recognized standing with a major in agronomy.

The F. M. Rothrock Scholarship Fund.—F. M. Rothrock of Spokane, Washington, has established in the College of Agriculture a loan scholarship available to Juniors and Seniors in the College of Agriculture who are interested in animal husbandry. The scholarship fund will be awarded to the most deserving applicant as demonstrated by his college record. The scholarship loan fund is established by the proceeds from the sale of a purebred Shorthorn steer calf given by Mr. Rothrock each year for a definite time. This loan will run without interest until graduation and will bear interest at 6 per cent per annum from the time of the student's graduation until repaid into the Rothrock Scholarship Fund.

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 JEROME J. DAY SCHOLARSHIP.—Jerome J. Day of Moscow has established in the School of Mines a loan scholarship to be awarded each year to Seniors in the School of Mines who are graduates of Idaho high schools and who, in the opinion of a committee of three, Mr. Day, the President of the University, and the Dean of the School of Mines, are the most deserving applicants, as demonstrated by their college records. These loans are to run without interest until graduation and to bear interest at 6 per cent per annum from the date of graduation until repaid into the Day Scholarship Fund.

THE PHI CHI THETA KEY is awarded to a Junior woman in the School of Business Administration on the basis of excellence in scholarship, personality, and character.

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 limited to students in American Government.

RHODES SCHOLARSHIP.—By the bequest of the late Cecil Rhodes, 32 scholarships at Oxford University are appropriated each year to students in the United States. For making the 32 appointments, the States of the Union are grouped into eight districts of six states each. In each State the committee of selection nominates from the candidates applying to it the two best men to appear before the district committee. Each district committee then selects from the 12 candidates so nominated not more than four to represent their states as Rhodes scholars at Oxford. State and District committees meet in December. Idaho is grouped with Washington, Oregon, Montana, Wyoming, and North Dakota. Each candidate must obtain the endorsement of the head of his college or university. He then should apply, not later than the middle of October, to the secretary of the committee of selection for his state. The secretary for Idaho is McKeen F. Morrow, Boise. Further information may be obtained from Prof. Eugene Taylor, Chairman of the University of Idaho Rhodes Scholarship Committee.

SCHOLARSHIP CUPS.—The Mary McClintock Upham Scholarship Cup (for women's groups) and the Burton L. French Scholarship Cup (for men's groups) are awarded to the groups, the majority of whose members live in the same house or hall, which attain the highest average of scholarship of all such groups. The cups are awarded at the beginning of each college year on a basis of the average grades attained during the previous year. The cups are retained by the groups for one year, and then reawarded on the same basis as before. When any group has been awarded a cup three times, not necessarily consecutively, it comes into the permanent possession of that group.

THE SIGMA TAU SCHOLARSHIP MEDAL is given each year by the Idaho

chapter of Sigma Tau, 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.

THE SONS OF THE AMERICAN REVOLUTION TROPHY, awarded for excellence in Early American History, is a handsome bust of Washington, designed by Bianchini. This is held for a year by the group house 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.

UNION PACIFIC SCHOLARSHIPS.—The Union Pacific Railway System offers a series of scholarships to the 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 in the College of Agriculture (or in Letters and Science in the case of a girl interested in Home Economics), 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 agriculture or home economics study.

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 1931-32 see Part VII of the Catalog.

LOAN FUNDS

LOAN FUND OF STATE CLUB WOMEN.—In October, 1906, the Idaho State Federation of Women's Clubs established a scholarship fund for the University. Approximately $10,000 is now available. This money is loaned to Junior and Senior Students, on note security, and is to be returned with interest at 6 per cent per annum from the time the borrower leaves college. The applicant must also be recommended by a State Federation club and by his Dean. Students interested should apply to

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

Mrs. James J. Gill, 706 Deakin Avenue, Moscow, or to Mrs. F. W. Gail, 623 Urquhart Avenue, Moscow.

AMERICAN BANKERS ASSOCIATION FOUNDATION LOAN FUND.—A loan of $250 is available each year to a Junior or Senior student of banking and economics. Preference is given to former students in American Institute of Banking courses. The loan is without interest until the second January after graduation, when interest at the rate of 5 per cent commences. The loan is awarded by a committee comprised of two faculty members and one banker.

FUNDS OF CIVIC ORGANIZATIONS.—In 1921, the Rotary Club of Moscow voted an annual contribution of $100 to establish a fund to be loaned 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 and Kellogg contributed $100 each to this fund, and the Wallace Chamber of Commerce, $50. The Moscow Kiwanis Club is putting $200 a year into its student loan fund.

FUNDS OF STUDENT ORGANIZATIONS.—Funds of civic organizations, above described, have been increased by the Associated Students to a sum of $3,900, to which one per cent of proceeds of A.S.U.I. fees is added each semester. An additional $675 of loan fund money has been accumulated from residues in treasuries of past classes and other student organizations.

KNIGHTS TEMPLAR EDUCATIONAL FOUNDATION.—This foundation is part of a national institution under the direction of a general administrative committee. In Idaho to date approximately $17,000 has been loaned to students. The annual income of $2,000 or $3,000 is available under the Idaho Grand Commandery for Idaho students in the senior year at the University. Loans of from $50 to $200 are granted on honor, with interest at the rate of 5 per cent beginning at graduation. For blanks and further information inquire of Homer David, Moscow, or William Wallin, Pocatello.

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, Oregon, August 15, 1921, while attempting to save the life of a young woman companion.

SURGICAL LOAN FUNDS.—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. In 1930 the State Board of Education established a similar fund of $500.

FACULTY WOMEN'S FUND.—The Faculty Women's Club has provided a fund of $300 to be loaned in cases of need arising from illness.

1931 EMERGENCY LOAN FUND.—A fund of $7,175 was provided in the fall of 1931 by the Board of Regents of the University, citizens of Moscow, and faculty of the University to assist deserving students to remain in college during the present period of financial depression. Subscriptions to this fund were as follows: citizens, $2,375; faculty, $2,800; regents, $2,000.

1932 FACULTY LOAN FUND.—A fund of $5,300 was subscribed by members of the University faculty in the fall of 1932.

STUDENT AFFAIRS

The Associated Students of the University of Idaho is an organization of the entire student body. It controls and directs student activities. These are under the 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. 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 of the University, 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. Other women's organizations include the *Women's Athletic Association;* the *Women's "I" Club, Mortar Board* (senior women's national honor society); the *Spurs* (sophomore women's national service organization); *Daleth Teth Gimel* (women who reside outside the University halls and sorority houses); and the *Idaho Dames* (wives of students registered in the University).

Men's organizations include the *"I" Club* (athletic lettermen); *Silver Lance* (senior men's local honorary); *Blue Key* (junior and senior men's national service fraternity); *Intercollegiate Knights* (underclassmen's national service organization); *Tau Mem Aleph* (men who reside outside the University halls or fraternities).

Other organizations include the *Cosmopolitan Club* (foreign students); the *Filipino Club* (students from the Philippines); the *Associated Students of Lindley Hall, Associated Students of Ridenbaugh Hall, Associated Students of Forney Hall,* and *Associated Students of Hays Hall* (students residing in these respective halls); *House Managers' Club* (managers of group houses).

HONORARY, PROFESSIONAL, AND DEPARTMENTAL

Chapters of *Phi Beta Kappa* and *Sigma Xi,* the foremost college honorary societies, are found at the University of Idaho, *Sigma Xi* having been founded in 1922 and *Phi Beta Kappa* in 1926. 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 or Arts and Bachelor of Science degrees in the College of Letters and Science for membership in *Phi Beta Kappa.* Members of *Sigma Xi* 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. Following is a list of other honorary, professional, and departmental organizations at the University of Idaho:

LETTERS AND SCIENCE.—*Phi Upsilon Omicron* (national home econom-

ics); *Sigma Delta Pi* (national honorary Spanish); *Alpha Tau Delta* (women's national honorary pre-nursing); *Delta Sigma Rho* (national honorary debating); *Sigma Alpha Iota* (women's national music); *Press Club* (men's journalism); *Theta Sigma* (women's journalism); *Idaho Chemistry Club* (chemistry majors); the *English Club* (fosters activities related to the work of the Department of English); the *Winged Helmet* (literary composition); the *Curtain* (acting, play-writing, or play production); *Home Economics Club* (affiliated with the American Home Economics Association and the State Federation of Women's Clubs); the *Pre-Medical Club* (pre-medical students); the *Attic Club* (art and architecture).

AGRICULTURE.—*Alpha Zeta* (national honorary agricultural); the *Agricultural Club* (students of agriculture).

ENGINEERING.—*Sigma Tau* (national honorary engineering, with members also selected from the School of Mines); the *Associated Engineers of the University of Idaho* (includes student chapters of the American Institute of Electrical Engineers, the American Society of Mechanical Engineers, and the American Society of Civil Engineers).

LAW.—The *Bench and Bar Association* (law students); the *Pre-Legal Association* (students preparing to enter the College of Law); *Phi Alpha Delta* (national professional legal).

MINES.—*Sigma Gamma Epsilon* (national professional for geology, mining, and metallurgy); the *Associated Miners* (affiliated with the American Institute of Mining and Metallurgical Engineers).

FORESTRY.—*Xi Sigma Pi* (national honorary forestry); the *Associated Foresters* (students and faculty of the School of Forestry).

EDUCATION.—*Pi Lambda Theta* (women's national honorary); *Kappa Delta Pi* (men's national honorary).

BUSINESS.—*Alpha Kappa Psi* (men's national professional); *Phi Chi Theta* (women's honorary); *Associated Business Students* (students in business); *Advertising Club* (students interested in advertising).

MUSIC.—*University Symphony Orchestra; Treble Clef Club* (women's glee club); the *Idaho Vandaleers* (mixed chorus); *University Chorus; University String Quartet;* and the *Vandalettes* (women's double sextette). The *Cadet Military Band* is a part of the Reserve Officers' Training Corps. The *University Pep Band* is under the control of the Associated Students.

MILITARY.—*Scabbard and Blade* (national honorary military).

PHYSICAL EDUCATION.—*Sigma Delta* (men); *Hell Divers' Club* (national society sponsoring swimming, life-saving, and first aid; men and women); *Managers' Club* (student athletic managers).

FRATERNAL

FRATERNITIES.—Twelve 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, Tau Kappa Epsilon, and *Delta Tau Delta.* All are represented in the *Inter-Fraternity Council,* which unites them to serve the interests of the University and to promote among themselves a spirit of good feeling and cooperation.

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

RELIGIOUS ACTIVITIES

Religious activities among the students are promoted energetically by all of the Moscow churches, of which there are more than a dozen. Young peoples' societies and Sunday school classes of these churches are organized especially with a view to serving students' needs. Among the religious organizations of University people are: the *Associated Students of the L. D. S. Institute; Chi Alpha Pi* (the Evangelical Christian Men's House); *DeSmet Club* (Roman Catholic); *Episcopal Club; Kappa Phi* (Methodist girls); *Lutheran Student Association of America; Roger Williams Club* (Baptist); *Wesley Foundation* (Methodist Episcopal); *Westminster Guild* (Presbyterian girls); *Westminster Club* (Presbyterian). Two of the groups, the *L. D. S. Institute* and *Chi Alpha Pi,* maintain residences near the campus.

RELIGIOUS EDUCATION

The Moscow L. D. S. Institute was established in 1928 by the Church of Jesus Christ of Latter-Day Saints in the belief that its members attending the University of Idaho should have the benefit of religious training. It is under the supervision of a Director who serves as the religious teacher and adviser of students coming from L. D. S. homes.

The Idaho Institute of Christian Education was incorporated November 24, 1930, by a group of laymen and pastors of Evangelical Christian churches, for the purpose of making courses in Religion and Religious Education available to the students of the University of Idaho at Moscow. It is not part of the University but is under the management and direction of a board of trustees chosen by an association of laymen and pastors from the Baptist, Brethren, Christian, Congregational, Episcopal, Friends, Lutheran, Methodist, Nazarene, Presbyterian, and United Brethren churches.

Registration in courses offered by both institutes is open and without charge to any regularly matriculated student at the University. With the consent of his Dean, any student may elect a total of eight credits in Religious Education toward a degree. Additional information and circulars concerning courses or facilities may be obtained from the respective directors.

PART II

Admission Requirements and Regulations

ADMISSION TO THE UNIVERSITY

APPLICANTS for admission to the University must be at least 16 years of age (18 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.

CREDENTIALS.—Students applying for admission to the University are required to furnish credentials as follows:

(a) An original transcript of high school credits signed by the principal.

(b) Official transcripts and statements of honorable dismissal from all institutions attended after high school graduation.

(c) Personal data on the regular application-for-admission blank.

Blanks for furnishing personal data and high school records may be obtained on application to the Registrar. College and normal school records should be furnished on the transcript blank of the institution at which the work was taken. All credentials should be sent direct to the Registrar, University of Idaho, Moscow, Idaho, not through the student. *Prompt attention to these details will avoid delay in registration and the additional expense of telegraphing.*

PERMITS TO REGISTER.—Applicants for admission whose credentials have been accepted will be mailed permits to register for the following semester. 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 through correspondence and the receiving of permits to register before the proposed date of admission. No permits will be mailed later than one week before the first day of registration for any session of the University, but applicants will be notified by collect telegram if credentials received after that time make them ineligible for admission.

ADMISSION AS REGULAR STUDENTS

ADMISSION 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 15 acceptable units (Plan I) or

(b) Graduation from an accredited three-year senior high school and presentation of 12 acceptable units (Plan II).

A "unit" represents a high-school subject taught five times a week in periods of not less than 40 minutes' duration (laboratory 80), for a school year of at least 36 weeks. A Certificate of Secondary School Record

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.

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 under Plan I and Plan II. 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. A student who expects to enter a curriculum in one of the sciences should be especially careful in choosing his high school courses in science and foreign language. For details of the requirements see the separate curricula in Part III 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. For admission with deficiencies in group requirements see page 26.

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

*It is highly desirable for students planning to enter the College of Agriculture, the School of Forestry, or the B.S., B.S.(H.Ec.), 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.
‡The requirement for admission to the School of Education is graduation from a four-year high school fully accredited by the State Board of Education.

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 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. See the next page for admission with deficiencies in group requirements.

	Junior College	Senior Colleges			Four-Year Colleges				
		Letters and Science	Law	Business	Agriculture	Engineering	Mines	Forestry	Education§
English	2	2	2	2	2	2	2	2	—
A Modern Language or Latin	—	2*	2*	2*	—	—	—	—	—
Social Science	1	1	1	1	1	1	1	1	—
Mathematics Algebra	1*	1*	1*	1*	1*	1*	1*	1*	—
Plane Geometry	1	1	1	1	1	1	1	1	—
Advanced Algebra	—	—	—	—	—	½	½	—	—
Solid Geometry	—	—	—	—	—	½	½	—	—
Natural Science (unspecified)	1	1†	1	1	1†	—	—	1†	—
Physics	—	—	—	—	—	1	1	—	—
Unspecified Academic Units	4–3	1–3	1–3	1–3	3–4	2–3	2–3	3–4	—
Total Academic Units	9	9	9	9	9	9	9	9	—
Additional Academic, Vocational or Elective Units	3	3	3	3	3	3	3	3	—
Total Units Required	12	12‡	12‡	12‡	12	12	12	12	—

*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 College of Agriculture, the School of Forestry, or the B.S., B.S.(H.Ec.), 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.
§The requirement for admission to the School of Education is graduation from a three-year senior high school fully accredited by the State Board of Education.

SCHOLARSHIP REQUIREMENTS.—Students who qualify for admission under Plan I or Plan II, but who rank in the lowest one-fourth of their graduating class or who fail to present recommending grades in at least two-thirds of the required units will be admitted only on probation. Unless otherwise restricted by the high school, recommending grades are those which are at least one "step" (letter or other symbol) above the lowest passing grade in a system using four passing grades, or, in a purely percentage system, grades which are in the upper three-fourths of the interval between the lowest passing grade and 100.

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.

ADMISSION BY EXAMINATION.—Applicants for admission who have graduated from non-accredited high schools will be given a college ability test to determine their status in the University. All other applicants for admission to regular standing will be required to pass entrance examinations in fifteen units of acceptable work. Persons who are interested should write the Registrar for detailed information and should send all available credentials regarding their previous work.

ADMISSION WITH DEFICIENCY IN GROUP REQUIREMENTS.—Students who qualify for admission to the University by certificate or by examination but who fail to meet specific group requirements as indicated in Plan I or Plan II 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 list. 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 21 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 educational institutions 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 Secondary School Record giving full information regarding the applicant's high-school record, as well as separate transcripts from each of the institutions attended. These should be sent to the Registrar at least one month before the student expects to enter the University. (*See Regulation No. 27a under Regulations, Part II*).

Students entering the University from other institutions must comply with the same regulations as to their former scholarship as are applied to students previously enrolled in this institution. (*See Regulations Nos. 27 and 29 and requirements for admission to the Senior Colleges.*)

From Normal Schools.—Students from approved normal schools who have completed a high school course fully covering the entrance re-

quirements of the University, and who present a satisfactory scholarship record, are admitted to advanced standing in the University. (*See Regulation No. 29 and requirements for admission to the Senior College.*) Those who have graduated from two-year courses in approved normal schools in addition to high school graduation may be admitted to junior standing in the School of Education. Normal school graduates who enter other curricula are allowed credit for work done and given a class standing according to the number of their courses which may be applied as required and elective credits in the curriculum chosen. Non-graduates of approved normal schools will be granted credit in such courses as appear equivalent to courses given in the University.

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.

FROM JUNIOR COLLEGES.—Students from accredited junior colleges who present a satisfactory scholarship record 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 of Idaho.

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 and general requirements for graduation from the curriculum which he enters in the Senior College or four-year college. (*See Regulation No. 27 under "Regulations" in Part II.*) 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 16 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 after the applicant's admission to the University.

ADMISSION TO THE SENIOR COLLEGES

Admission to the College of Letters and Science 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. All candidates for the degree of Bachelor of Arts or Bachelor of Science in the College of Letters and Science must complete at least one year of foreign language in the Junior College. One who has completed 54 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 holders of the bachelor's degree and to applicants who have satisfied the entrance requirements listed in Part II of this catalog, and in addition have completed 64 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 undergraduate work is also required, and this should be sent to the University some time prior to registration days. For further regulations concerning Graduate work see the statement of the Graduate School in Part III 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:

COLLEGE OF LETTERS AND SCIENCE:

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 Home Economics, B.S.(H.Ec.)
Bachelor of Science in Pre-Nursing Studies, B.S.(Pre-Nurs.)
Bachelor of Music, B.M.

COLLEGE OF AGRICULTURE:

Bachelor of Science in Agriculture, B.S.(Agr.)

COLLEGE OF ENGINEERING:

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.)

COLLEGE OF LAW:

Bachelor of Laws, LL.B.

SCHOOL OF MINES:

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.)

SCHOOL OF FORESTRY:

Bachelor of Science in Forestry, B.S.(For.)

SCHOOL OF EDUCATION:

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

SCHOOL OF BUSINESS ADMINISTRATION:

Bachelor of Science in Business, B.S.(Bus.)

SOUTHERN BRANCH:

Bachelor of Science in Pharmacy, B.S.(Phar.)

ADVANCED DEGREES

The following advanced degrees are offered by the Graduate School of the University:

Master of Arts, M.A.
Master of Science, M.S.
Master of Science in Home Economics, M.S.(H.Ec.)
Master of Science in Agriculture, M.S.(Agr.)
Master of Science in Civil Engineering, M.S.(C.E.)
Master of Science in Electrical Engineering, M.S.(E.E.)
Master of Science in Mechanical Engineering, M.S.(M.E.)
Master of Science in Chemical Engineering, M.S.(Chem.E.)
Master of Science in Agricultural Engineering, M.S.(A.E.)
Master of Science in Metallurgy, M.S.(Met.)
Master of Science in Geology, M.S.(Geol.)
Master of Science in Forestry, M.S.(For.)
Master of Science in Education, M.S.(Ed.)
Master of Science in Business, M.S.(Bus.)
Master of Music, M.M.
Master of Science in Music Education, M.S.(Mus.Ed.)

PROFESSIONAL DEGREES

The following professional degrees are offered in engineering and mining:

Civil Engineer, C.E.
Mechanical Engineer, M.E.
Electrical Engineer, E.E.
Chemical Engineer, Ch.E.
Agricultural Engineer, A.E.
Engineer of Mines, E.M.
Metallurgical Engineer, Met.E.

For conditions of candidacy for an advanced degree, see the Graduate School, in Part III.

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. 18, 19, 1933) 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. TESTS.—(a) *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.

(b) *Psychological Test* and

(c) *Reading Ability Test.*—All new students are required to take the psychological and reading tests except, (1) those whose official transcripts of record from other collegiate institutions show comparable test scores, and (2) graduate students. These tests are administered during the days immediately preceding registration.

3. REGISTRATION.—Registration for the first semester of 1933-34 will be held on September 19-20, upon which days all students are required to pay their fees and complete their registration. Students whose registration is not completed on either of the two registration days will be charged a late registration fee of $3 for the first day; $2 additional for the second day; and $1 additional each day thereafter up to a maximum of $10.

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 4 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 usual late registration fee 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 which is not included on his registration card which has been approved by his Dean. 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 20.

6. MATRICULATION LECTURES.—All Freshman students are required to attend a series of Freshman lectures scheduled throughout 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 without the written permission of the Dean concerned 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. NON-RESIDENT INSTRUCTION.—Non-resident Instruction work as authorized by the University of Idaho consists of two types: (1) correspondence study—individual or group; and (2) group study in non-resident classes personally conducted by members of the University faculty. Non-resident credit is given for both types of work unless otherwise authorized by the Academic Council. Students may enroll for non-resident work at any time except when they are in residence at the University. Resident students are not permitted to carry non-resident work. Courses not completed before students register or re-register in the University are automatically dropped at date of such registration. Non-resident students failing to complete courses for which they have registered will be dropped at the end of 12 months from the date of their registration.

12. COURSES IN ABSENTIA.—Courses in absentia are those taken by matriculated students while enrolled for residence work in the University, who, for schedule or other valid reasons, are unable to attend regular classes in certain courses and who do the work by appointment with a resident instructor. Permission for taking courses in absentia must be obtained from the instructor and the Academic Council in advance of beginning the work.

B. CREDIT

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

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

15. 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 16 acceptable units offered for admission.

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

C. MAJOR STUDY

17. MAJOR STUDY.—A major consists of from 16 to 20 credits of advanced work in one department, (i.e. work in courses numbered above 100, except when specifically noted in the departmental statements).

D. GRADES, EXAMINATIONS, AND GRADUATION

18. 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. In the case of graduate students registered in courses numbered above 200, a grade of P (passed) may be reported in place of A or B only. Mid-semester grades as well as semester grades are filed in the Registrar's office.

19. "INCOMPLETE" denotes lack of quantity rather than lack of quality. It is given when the student, although 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.

20. "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.

21. "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 10 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.

22. "PROBATION" is the status of a student who, because of failure to receive a passing grade in at least 12 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 11 credits 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.

23. 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.

24. Special Examinations.—Any irregular examination shall be considered a special examination and shall entail the payment of a special examination fee of $1.

25. 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.

26. 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.

27. 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, except that in the College of Law, 24 semester hours are required.

(*b*) *Grade Requirements.* 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*) *Upper Division Requirement.* In order to be eligible for a degree, students in the B.A., B.S., and B.S.(Ed.) curricula must present a minimum of 36 semester credits of work in courses numbered above 100.

(*d*) *Credits Earned in Senior College or Upper Division.* (Applicable to students who entered as Freshmen in 1929 and later). 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 54 semester credits earned in the senior college or the upper division of a degree-granting institution.

(*e*) *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 and must pay the diploma fee of $5. No application for a degree at a given commencement will be accepted after February 15.

E. RATING AND ELIGIBILITY

28. CLASS RATING.—A student in order to be rated as a Freshman must have met the entrance requirements for regular students (*See Entrance Requirements in Part II*). 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 26 credits at the beginning of the first semester may be ranked a Sophomore, whereas at the beginning of the second semester he must have 42 credits to be so ranked.

29. ELIGIBILITY TO REGISTER.—A student, at the end of any semester, must have received a passing grade in 11 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 educational 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.

30. 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. office, if five days before such event, he is on probation,* or has not a passing grade in at least 11 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.

F. ABSENCES

31. ABSENCES DUE TO ACTIVITIES.—No student may be absent from the campus in connection with extra-curricular activities more than 16 working days a semester. No one extra-curricular activity (basketball, glee club, debate, etc.) may take students away from the campus more than 12 instructional days.

*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.

32. 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 10 points in each course in which absence was incurred. Absence before and after vacations date from the last class the student attended prior to the vacation, to the first class attended after vacation.

33. Concerted Absences.—Sudents who participate in any unauthorized, concerted action to absent themselves from class shall have their final grade reduced 10 points in each course affected by such absence.

34. General Attendance.—Students are responsible for their attendance in the courses in which they are enrolled. Excessive absences are, however, reported through the Registrar's office to the Dean of the College in which the student is registered.

G. MISCELLANEOUS

35. 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.

36. Student Events.—In order to receive permission for any student event, it is necessary to petition the Faculty Committee on Calendar.

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

38. Conduct.—Students are held responsible for any breach of the recognized rules of conduct.

39. Smoking.—Smoking in University buildings is forbidden.

PART III

The University's Schools and Colleges With Their Curricula

Senior College of Letters and Science

JOHN ANTON KOSTALEK, PH.D..... *Dean of the College, and Director of the Pre-Medical and Pre-Nursing Curricula*
JACOB ROY BENDER, M.S. ..... *Secretary of the College Faculty*
GEORGE MOREY MILLER, PH.D. ....*Chairman of the Curriculum Committee*
CARL LEOPOLD VON ENDE, PH.D...*Chairman of the Scholarship Committee*
KATHERINE JENSEN, M.S. ....*Director of the Home Economics Curricula*
CARLETON CUMMINGS, MUS.M.....*Director of the Music Curricula*

THE College of Letters and Science accepts as the aim of education the development of the individual. This development expresses itself in physical well-being, social fitness (including vocational ability), understanding of the mental and physical world, and appreciation of the beautiful.

The objects of the College of Letters and Science are: (1) to awaken in the student a lively curiosity about the world of knowledge, and to provide opportunity for the satisfaction of that curiosity; (2) to inculcate habits of accurate thought and expression and to foster creative thinking; (3) to encourage tolerance and thus to evoke the qualities that make for living together as citizens; and (4) to develop a liking for the beautiful and the genuine.

The College of Letters and Science aims to assist: (1) those desiring a better understanding of the world and the principles of right living; (2) those wishing non-professional training; (3) those laying a broad foundation for a professional or vocational career; and (4) those desiring technical training in professional or vocational curricula for which special schools or colleges have not been established.

The College of Letters and Science is a Senior College; that is, its work embraces the Junior and Senior years of the four-year college period.

The plan of major and minor studies, which until 1929 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.

ADMISSION

The statement of the admission requirements to the various Senior Colleges will be found in Part II.

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 * two years (16 credits) in a foreign language above the two high school units required for admission; also 18 credits in social studies to include six credits in Philosophy.

Candidates for the degree of Bachelor of Science must complete Intermediate or Scientific French or German according to the requirements of their curriculum,* and 12 credits in Social Studies.

Courses fulfilling the requirements in social studies are in American History, Classical Civilization, Contemporary Civilization, Economics, European History, Philosophy, Political Science, and Sociology.

SPECIFIC DEGREE REQUIREMENTS.—Candidates for any of the degrees must complete the work of one of the curricula, leading to the appropriate degree, listed later. Each curriculum requires from 20 to 30 semester credits in the major subject besides others in specified closely related courses. In addition to the credits in these required courses the candidate must take elective credits sufficient to complete a total of 64 credits. 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, foreign languages, and organized and applied music 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 54 semester-credits earned in 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 15 credits in Education. These requirements are necessary to secure a State certificate; and in Idaho, the course known as Education 55, 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. If it is impossible to complete all the prerequisites for a curriculum in any natural science, viz. Bacteriology, Botany, Chemistry, Geology, Physics, Psychology, or Zoology, in addition to the 12 credits in the Social Studies regularly required in the Junior College, these latter may be postponed to the Senior College. (2) RECOMMENDED PREPARATION. Matter listed under this heading is such as may be considered desirable to cover in Junior College or elsewhere,

*See page 28 for the language required for admission to the Senior College.

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 College of Letters and Science has approved in principle comprehensive final examinations. *For the departments giving such examinations, see the following Outlines of Curricula.*

OUTLINES OF CURRICULA

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

AMERICAN HISTORY

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Course	Credits
Hist. 21-22. History of the Americas.	6
and either	
Hist. 1-2. History of Civilization	6
or	
Hist. 13-14. Classical Civilization	6

REQUIRED

Twenty hours of advanced work from the following courses, including Hist. 111 and 122, and at least six credits in European History.

Course	Credits
Hist. 105-106. Recent Times	6
Hist. 107-108. English History	6
Hist. 111. Growth of the United States, 1789-1865	3
Hist. 115. Beginnings of American Diplomacy	3
Hist. 116. American Diplomacy Since Civil War	3
Hist. 122. America, a World Power, 1865-1933	3
Hist. 123. The Pacific Northwest	2
Hist. 124. Idaho and Inland Empire	2

ARCHITECTURE

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

History 13-14, Art 1-2, Physics 3-4 are specified as part of the Junior College curriculum.

Course	Credits
Arch. 11-12. Elementary Architectural Design	4
Math. 1-2. Freshman Mathematics	8
Math. 51-52. Calculus	8

RECOMMENDED PREPARATIONS

Some courses in Law, Business, Public Speaking.

REQUIRED

Course	Credits
Art 101-102. Water Color Painting	4
Arch. 113-114. Intermediate Architectural Design	6
Arch. 115-116. Architectural Design	8
Arch. 131-132. Architectural History	6
Arch. 133-134. Building Construction	6
Arch. 136. Mechanical Plant of Buildings	2
C.E. 6. Mechanics (Statics)	2
C.E. 103. Mechanics of Materials	3
C.E. 102. Framed Structures (Pre. 103)	3
C.E. 106. Re-enforced Concrete Theory	2
C.E. 135. Estimates and Costs	2
M.E. 144. Heating and Ventilation	2
Bus. 165-166. Business Law	6

SUGGESTED ELECTIVES

Course	Credits
Eng. 155. Technical Writing	3
C.E. 124. Contracts and Specifications	2

ART

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Psych. 1, History 13-14, and Art 1-2 are specified as part of the Junior College curriculum.

Course	Credits
Art 3- 4. Principles of Design	4
Art 51-52. Art Appreciation	4

REQUIRED

Course	Credits
Art 101-102. Water Color Painting	4-6
Art. 105-106. Intermediate Freehand Drawing	6
Art 129-130. History of Painting	4
Art 123. Composition and Illustration	3
C.L. 60. Classical Art	2
Eng. 175-176. Readings in European Literature	4

Select two from the following four:

Art 103-104. Principles of Applied Design	4
Art 107-108. Oil Painting	6

Course	Credits
Art 127-128. Advanced Freehand Drawing	6
Art 141-142. Advanced Oil Painting	6
History of French, German, or Spanish Civilization (the exact course will depend upon which foreign language elected)	4

Course	Credits
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 general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course	Credits
Chem. 1-2. General Chemistry	8
Chem. 51. Qualitative and Gravimetric Analysis	4

RECOMMENDED PREPARATIONS

A. For students contemplating graduate work in Bacteriology	
Math. 1-2. Freshman Mathematics	8
Bot. 1 or Zool. 1	4
B. For prospective laboratory technicians	
Zool. 1-2. General Zoology	8
Zool. 4. Comparative Anatomy	4
Zool. 6. Physiology	3
C. For prospective government Civil Service employees	
Bot. 1-2. General Botany	8
Bact. 10. Public Health	2
Zool. 1-2. General Zoology	8
Zool. 4. Comparative Anatomy	4
Zool. 6. Physiology	3

REQUIRED

Bact. 51. General Bacteriology	4
Bact. 104. Pathogenic Bacteria	4
Bact. 108. Bacteriological Technique	3
Bact. 106. Dairy Bacteriology	3
Bact. 109. Immunology	3
Bact. 110. Serology	3
Chem. 52. Quantitative Analysis	4
Chem. 101-102. Organic Chemistry	8
Chem. 111-112. Biochemistry	6
A. For students contemplating graduate work in Bacteriology	
Math. 51-52. Calculus	8
B. For prospective laboratory technicians	
Zool. 109. Vertebrate Histology	4
C. For prospective government Civil Service employees	
Zool. 109. Vertebrate Histology and Organology and Zool. 110. Histological Technique, or Bot. 111 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 Bacteriology	4
Bact. 111-112. Pro-Seminar	1-4
Bact. 113. Public Health Methods	2-4
Bact. 115-116. Special Problems	1-2

BOTANY

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course	Credits
Bot. 1-2. General Botany	8
Bot. 53-54. Systematic Botany	6
Chem. 1-2. General Chemistry	8
Chem. 51-52. Qualitative and Quantitative Analysis*	8
Zool. 1. General Zoology	4

REQUIRED

Bot. 101-102. Plant Physiology	8
Bot. 121-122. Plant Morphology	8
Bot. 104, Plant Anatomy 4, or Bot. 105, Plant Ecology	3
Bot. 123-124. Thesis	2-4
Bot. 125-126. Pro-Seminar	2

A. For students planning to do advanced study along Physiological lines

Chem. 101-102. Organic Chemistry ... 8

B. For prospective teachers

Fifteen credits in Education including Bot. 109, Teaching of Botany, and work in some other field of study as a minor teaching subject.

CHEMISTRY

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course	Credits
Chem. 1-2. General Chemistry	8
Chem. 51-52. Qualitative and Quantitative Analysis	8
Math. 1-2. Freshman Mathematics.	8
Math. 51-52. Calculus	8
Phys. 11-12. Engineering Physics	10
C.E. 1. Engineering Drawing	3
Ger. 1n-2. Elementary German	8

REQUIRED

Ger. 15-16. Scientific German	6
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. 101. Engineering Mathematics	3
Phys. 152. Advanced Heat	3
Phys. 121-122. Analytical Mechanics	6

*With consent of the Head of the Department Physics 3-4 or 11-12 may be substituted for this requirement.

DRAMATICS AND PUBLIC SPEAKING

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Course		Credits
A. With major work in Speech		
Eng.	31-32. Fundamentals of Speech	4
Choice of one		
a. Eng.	35. Extemporaneous Speaking	2
b. Eng.	36. Parliamentary Law and Procedure	2
c. Eng.	37. Intercollegiate Debate	1
B. With major work in Dramatics		
Eng.	33-34. Reading and Interpretation	4
Eng.	71-72. Fundamentals of Play Production	6

REQUIRED

A. With major work in speech		
Eng.	141-142. Shakespeare	6
Eng.	161. Voice Production	2
Eng.	162. Speech Composition	2
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		
Eng.	123-124. Contemporary Drama	4
Eng.	141-142. Shakespeare	6
Eng.	171-172. Advanced Play Production	6-12
Eng.	61-62. Elementary Literary Composition	4
	and	
Eng.	106. Advanced Literary Composition	2
	or	
Eng.	167-168. Advanced Interpretation or a Period Course in Literature	4

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 of Dramatics, Public Speaking, Composition, and Literature; and work in some other field of study as a minor teaching subject.

ECONOMICS

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Course		Credits
Econ.	51-52. Principles of Economics.	6

RECOMMENDED PREPARATION

Geol.	12. Economic Geography	3

REQUIRED

Econ.	105-106. Money and Banking	6
Econ.	109. Public Finance	3
Econ.	112. Labor Problems	3
Econ.	152. Advanced Econ. Theory	3
Choice of 15 credits from:		
Econ.	117. Marketing Farm Products.	3
Econ.	118. Cooperative Marketing	3
Econ.	201. Economics of Enterprise	3
Econ.	202. History of Economic Thought	3
Bus.	81-82. Principles of Accounting	6
Bus.	113. Statistics	3
Bus.	167. Government Regulation of Business	3
Bus.	193-194. Business Conditions	6

Fifteen credits as follows:

Fifteen credits from courses numbered above 100 in the following subjects to be chosen with the approval of the adviser; 9 credits to be in one field: History, Philosophy, Political Science, Psychology, Sociology.

ENGLISH

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

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

These courses should be elective in the Senior College without credit, provided they cannot be secured in the Junior College.

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
Eng.	129-130. Outlines of English Literature	2

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

Course		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 English and American Drama	2
Eng. 124.	Contemporary European Drama	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.

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.

A comprehensive examination covering this curriculum will be required at the end of the Senior year in 1932 and thereafter. See paragraph "E" under English in Part V.

EUROPEAN HISTORY

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Course		Credits
Hist. 21-22.	History of the Americas.	6
Choice of:		
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 History	6
Hist. 121.	Reconstruction Period	3
Hist. 122.	America, a World Power	3
Hist. 135-136.	Economic History	6
Pol.Sci. 125.	Comparative Government	3
Soc. 141-142.	Principles of Sociology	6
Eng. 175-176.	Readings in European Literature	4

SUGGESTED ELECTIVES

History	8
Education	6
Philosophy	6

FRENCH

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

History 13-14, Classical Civilization, specified as part of the Junior College curriculum.

Sequence I

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

Sequence II

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

A reading knowledge of another foreign language.

Course		Credits
Hist. 141-142.	French Civilization	4
Eng. 175-176.	Readings in European Literature	4
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

GEOLOGY

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course		Credits
Math. 1-2.	Freshman Mathematics	8
Chem. 1-2.	General Chemistry	8
Phys. 3-4.	General Physics	8
Geol. 1-2.	Introductory, Historical and Physical Geology	8
Bot. 1.	General Botany	4
or		
Zool. 1.	General Zoology	4

REQUIRED

Geol. 53-54.	General Mineralogy	6
Geol. 101.	Advanced Physiography.	3
Geol. 102.	Advanced Stratigraphy	3
Geol. 108.	Rock Minerals and Rocks	2
Geol. 111.	Introductory Paleontology	3
Geol. 151.	Non-Metalliferous Deposits	3
Geol. 152.	Ore Deposits	4
Geol. 161.	Structural Geology	3
Seven credits from the following list:		
Geol. 163.	Optical Mineralogy	3
Geol. 164.	Petrography	3
Geol. 162.	Sedimentation	3
Geol. 153.	Petroleum Geology	3
Geol. 130-131.	Geological Field Methods	3

SUGGESTED ELECTIVES

Geol. 155.	Mineragraphy	2
Geol. 141-142.	Current Geological Literature	2
Geol. 123.	Mineral Resources	3

GERMAN

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Hist. 13-14, Classical Civilization, specified as part of the Junior College curriculum.

Course	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

A reading knowledge of another foreign language.

Course	Credits
Hist. 151-152. German Civilization	4
Eng. 175-176. Readings in European Literature	4
Ger. 111-112. Advanced Composition and Conversation	4
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

GREEK

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Hist. 13-14 Classical Civilization specified as part of the Junior College curriculum.

Course	Credits
Greek 1n-2. Elementary Greek	8
Greek. 3-4. Intermediate Greek	8

RECOMMENDED PREPARATION

One, or, if possible, two years of Latin, French, or German.

REQUIRED

Course	Credits
Greek 101. Plato	3
Greek 102. Greek Tragedy	3
Greek 103. Herodotus	3
Greek 104. Theocritus	3
Greek 105. Greek Lyrical Poetry	3
Greek 106. New Testament Greek	3
Greek 107. History of Greek Literature	2
Greek 108. Archeology	2
Hist. 103-104. Renaissance and Reformation	6
C.L. 60. Classical Art	2

HOME ECONOMICS

(General)

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

PREREQUISITES

See statement of Freshman and Sophomore courses under Junior College, Part III.

JUNIOR YEAR

Course	Credits First Sem.	Credits Sec. Sem.
H.Ec. 101-102. Selection and Preparation of Foods, Marketing and Serving	3	3
Bact. 51. General Bacteriology.	4	
Chem. 54. Carbon Compounds .		3
H.Ec. 131. House Management and Sanitation	2	
H.Ec. 152. Methods of Teaching Home Economics		2
H.Ec 136. The Family		2
H.Ec. 141. Interior Decorating..	2	
H.Ec. 135. Child Development .	2	
Elective	3	6
	16	16

SENIOR YEAR

Course	Credits First Sem.	Credits Sec. Sem.
H.Ec. 103-104. Dietetics	3	3
H.Ec. 105. Advanced Clothing .	2	
H.Ec. 106. Dressmaking and Millinery		2
H.Ec. 133. Practice Cottage	(2)	2
or		
H.Ec. 157. Observation and Teaching in H.Ec..	4	(4)
H.Ec. 153. Methods in Related Art and Science ..	2	
Soc. 141. Prin. of Sociology ..	3	
Elective	2	7-9
	16	16

Seven credits in Education must be elected by those who desire a teacher's certificate.

HOME ECONOMICS

(Food and Nutrition)

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

PREREQUISITES

See statement of Freshman and Sophomore courses under Junior College, Part III.

JUNIOR YEAR

Course	Credits First Sem.	Sec. Sem.
Chem. 101-102. Organic Chemistry	4	4
H.Ec. 101-102. Selection and Preparation of Food, Marketing and Serving	3	3
Bact. 51. General Bacteriology.	4	
H.Ec. 152. Methods of Teaching Home Economics		2
H.Ec. 136. The Family		2
H.Ec. 131. House Management and Sanitation	2	
Elective	3	5
	16	16

SENIOR YEAR

Course	Credits First Sem.	Sec. Sem.
H.Ec. 103-104. Dietetics	3	3
H.Ec. 133. Practice Cottage	(2)	2
or		
H.Ec. 157. Observation and Teaching in H.Ec.	4	(4)
Chem. 111. Biochemistry	3	
H.Ec. 135. Child Development	2	
Soc. 141. Prin. of Sociology	3	
H.Ec. 138. Institutional Administration		4
Elective	1-3	5-7
	16	16

Nine credits in Education must be elected by those desiring to teach.

JOURNALISM

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Ability to use the typewriter.

Psych. 1 specified as part of the Junior College curriculum.

Course	Credits
Eng. 81.82. Elements of Journalism	4

An elementary course in a science not included in the Junior College curriculum.

REQUIRED

Course	Credits
Eng. 181-182. Reporting	8
Eng. 183. Editorial Writing	3
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

SUGGESTED ELECTIVES

Course	Credits
Eng. 83-84. College Journalism	1-4
Eng. 197. Community Newspaper	2
Eng. 198. High School Journalism.	2
Bus. 165-166. Business Law	3-6
Bus. 175. Principles of Advertising	3
Soc. 141. Principles of Sociology	5
Econ. 51-52. Principles of Economics.	6
Pol.Sci.51-52. American Government	6
Eng. 105-106. Advanced Literary Composition	2-4

Advanced course in Literature or advanced credit in a chosen field.

LATIN

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Hist. 13-14, Classical Civilizaton, specified as part of the Junior College curriculum.

Two years of Latin from the following:

Course	Credits
Sequence I	
Lat. 1n-2. Elementary Latin	8
Lat. 3-4. Intermediate Latin	8
Sequence II	
Lat. 3-4. Intermediate Latin	8
Lat. 53. Advanced Latin	3

REQUIRED

Course	Credits
Lat. 53-54. Advanced Latin*	6
Lat. 101-102. Horace and Livy	6
Lat. 111-112. Prose Composition	4
Lat. 121-122. Directed Reading	6
Lat. 123. History of Latin Literature	2
Lat. 124. Teachers' Course	2
Choice of:	
Grk. 1-2. Elementary Greek	8
or	
C.L. 53. Scientific Terminology	2
C.L. 60. Classical Art	2
Eng. 175-176. Readings in European Literature	4

LAW

(A combined Six-Year Curriculum for the degrees of B.A. and LL.B. For the general requirements of the degree of Bachelor or Arts, see page 42. For the first year of Law see College of Law Section (Part III).

PREREQUISITES

The Junior College curriculum; and two years in one foreign language in addition to two units for admission.

REQUIRED

Completion of 32 credit-hours, including 12 credits in courses numbered above 100.

SENIOR YEAR

Course	Credits
Law (first year)	25

*If not taken in Junior College.

MATHEMATICS

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course	Credits
Math. 1-2 or 11-12. Freshman Math.	8-10
Physics 3-4. General Physics	8

REQUIRED

Math.	51-52. Calculus	8
Math.	111. Higher Algebra	3
Math.	112. Higher Geometry	3
Math.	121-122. Advanced Calculus	6
	Mechanics (Analytical or Technical)	5-6

Math. 102, 104, or 142 may be substituted for part of required mechanics.

SUGGESTED ELECTIVES

Phil.	103. Logic	3

Advanced work in Natural Science or Social Studies where Mathematics may be applied.

Education.

MUSIC (B.A.)

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Course	Credits
Social studies may be postponed to the Junior year if necessary.	
Mus. 1-2. Sight Singing	4
Mus. 11-12. Advanced Sight Singing	4
Applied Music (Piano, Voice, Cello or Violin)	12
Mus. 3-4. Elementary Harmony	4
Mus. 5-6. Harmony	4
Mus. 13-14. Key Board Harmony	2
Foreign Language	8-16

REQUIRED

Proficiency test for admission to Junior courses in applied music.

Completion of Foreign Language Requirement.

Course	Credits
Advanced courses in Literature, Foreign Language, Art, or Education.	8-12
Mus. 101-102. History of Music	4
Mus. 103-104. Form and Analysis	4
Applied Music (Piano, Voice, Cello, or Violin)	16

SUGGESTED ELECTIVES

Mus. 55-56. Music Appreciation	2
Applied Music (Piano, Voice, Cello, or Violin)	8-16
Phys. 54. Music and Sound	4
Ensemble	2-4

MUSIC (B.M.)

PREREQUISITES

See statement of Freshman and Sophomore courses under Junior College.

REQUIRED

Proficiency test for admission to Junior courses in applied music.

Course	Credits
Mus. 101-102. History of Music	4
Mus. 103-104. Form and Analysis	4
Mus. 105-106. Counterpoint	4
Mus. 109-110. Elementary Composition.	4
Mus. 111-112. Instrumentation	4
Advanced courses in Literature, Foreign Language, Art, or Education.	8
A. For those studying Piano	
Mus. 73-74. Instrumental Ensemble	2
Mus. 57-58. Accompanying	2
Mus. 125-126. Piano	10
Mus. 127-128. Piano	10
B. For those studying Voice	
Mus. 135-136. Voice	10
Mus. 137-138. Voice	10
Mus. 35-36. Glee Club	4
C. For those studying Violin	
Mus. 145-146. Violin	10
Mus. 147-148. Violin	10
Mus. 45-46. Orchestra	4
D. For those studying Cello	
Mus. 161-162. Cello	10
Mus. 163-164. Cello	10
Mus. 45-46. Orchestra	4

SUGGESTED ELECTIVES

Phys. 54. Music and Sound	4

PHILOSOPHY

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Course	Credits
Phil. 51. History of Ancient Philosophy	3
Phil. 52. History of Modern Philosophy	3

REQUIRED

Phil. 101-102. Ethics	6
Phil. 105. Philosophy of Religion	3
Phil. 106. State and Individual	3
Additional credits in Philosophy courses numbered above 100	8

SUGGESTED ELECTIVES

Course	Credits
Advanced Science*	10-18
Advanced courses in:	
History	10-18
Literature and Composition	10-18
Political Science	10-18
Sociology	6
Economics	10-18
Business	10-18
Education	15

*Continuation of Sciences already begun.

PHYSICS

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course		Credits
Phys.	3-4. General Physics	8
	or	
Phys.	11-12. Engineering Physics	10
Chem.	1-2. General Chemistry	8
Math.	1-2. Freshman Mathematics	8
Math.	51-52. Calculus	8

REQUIRED

Phys.	121-122. Analytical Mechanics	6
Phys.	131. Electricity and Magnetism	2
Phys.	133. Electrical Measurements	2
Phys.	152. Advanced Heat	4
Phys.	141. Advanced Light	4
Phys.	161-162. Pro-Seminar	2

SUGGESTED ELECTIVES

Phys.	211-212. Modern Physics	8
Math.	101. Engineering Mathematics	3
Math.	121-122. Advanced Calculus	6

POLITICAL SCIENCE

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Course		Credits
Pol.Sc.	51-52. American Government	6

REQUIRED

Twenty credits in Political Science from the following:

Pol.Sci.	123. State Government	3
Pol.Sci.	124. City and County Government	3
Pol.Sci.	125. Comparative Government	3
Pol.Sci.	127. Theory of the State	3
Pol.Sci.	132. Political Parties	2
Pol.Sci.	136. American Constitution	3
Pol.Sci.	137. International Relations	3
Pol.Sci.	138. International Political Organization	3
Pol.Sci.	152. Public Administration	3

Fifteen to twenty credits from the following:

Soc.	141-142. Principles of Sociology	6
Bus.	165-166. Business Law	6
Bus.	167. Government Regulation of Business	3
Bus.	193-194. Business Conditions	6
Econ.	105-106. Money and Banking	6
Econ.	109. Public Finance	3
Econ.	112. Labor Problems	3
Hist.	105-106. Recent Times	6
Hist.	115-116. American Diplomacy	6
Hist.	122. America a World Power	3
Hist.	135-136. Economic History	6
Phil.	106. State and Individual	3

The particular aim of the student will be considered in making specific recommendations. If necessary, adjustments will be made for the students who expect to teach.

PRE-MEDICAL STUDIES

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

PREREQUISITES

See statement of Freshman and Sophomore courses under Junior College.

JUNIOR YEAR. REQUIRED

Course		Credits
Eng.	155. Technical Writing	3
Chem.	101-102. Organic Chemistry	8
Zool.	113. Embryology	4
Zool.	109. Histology	4
Zool.	110. Histological Technique	2
Bact.	51. General Bacteriology	4
Bact.	104. Pathogenic Bacteria	4
Electives other than Science		8
		37

SENIOR YEAR

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

Option II.—Completion of following courses:

Course		Credits
Zool.	105-106. Human Physiology	6
Chem.	111-112. Biochemistry	6
Zool.	115-116. Cytology	8
Zool.	151-152. Photo. Technique	4
Zool.	111. General Neurology	4
Zool.	118. Parasitology	4
Electives		4
		36

PRE-NURSING STUDIES

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

PREREQUISITES

See statement of Freshman and Sophomore courses under Junior College.

JUNIOR YEAR. REQUIRED

Course		Credits
Zool.	103-104. Human Anatomy	4
Zool.	105-106. Human Physiology	6
Chem.	101-102. Organic Chemistry	8
Eng.	155. Technical Writing	3
Electives of which 9 must be other than Science		15
		36

SENIOR YEAR

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

Option II.—Completion of following courses:

Course		Credits
Zool.	109. Histology	4
Zool.	110. Histological Tech.	2
Zool.	115. Cytology	4
Bact.	104. Pathogenic Bact.	4
Electives*		22
		36

*Twenty of these credits must be in hundreds courses.

PSYCHOLOGY

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course	Credits
Phys. 3-4. General Physics	8
Chem. 1-2. General Chemistry	8
Zool. 1-2. General Zoology	8
Zool. 4. Comparative Anatomy of Vertebrates	4
Psych. 1. General Psychology	4
Psych. 2 or 4, Educational or Applied Psychology	3-4

REQUIRED

Course	Credits
Psych. 117. Psychological Methods	4
Psych. 121-122. Advanced Psychology	8
Additional credits, selected from courses in Psychology open to under-graduates 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. 52. Quantitative Analysis	4
Chem. 101-102. Organic Chemistry	8

SPANISH

(For the general requirements of the degree of Bachelor of Arts see page 42.)

PREREQUISITES

Hist. 13-14, Classical Civilization, specified as part of the Junior College curriculum.

Sequence I

Course	Credits
Span. 1n-2. Elementary Spanish	8
Span. 13-14. Intermediate Spanish	8

Sequence II

Span. 13-14. Intermediate Spanish	8
Span. 21-22. Ad. Sophomore Spanish	4

RECOMMENDED PREPARATION

French, German, Greek, or Latin should be elected in the Sophomore year, if possible

REQUIRED

A reading knowledge of another foreign language.

Course	Credits
Hist. 161-162. Spanish Civilization	4
Eng. 175-176. Readings in European Literature	4
Span. 111-112. Advanced Composition and Conversation	4
Span. 121-122. Survey of Spanish Literature	6
Span. 135-136. Nineteenth Century	6
Span. 141-142. The Golden Age	6
Choice of:	
Span. 147-148. Contemporary Literature	6
Span. 161-162. Directed Reading	4-6

ZOOLOGY

(For the general requirements of the degree of Bachelor of Science see page 42.)

PREREQUISITES

Course	Credits
Zool. 1-2. General Zoology	8
Zool. 4. Comparative Anatomy of Vertebrates	4
Chem. 1-2. General Chemistry	8
Chem. 51-52. Qualitative and Quantitative Analysis	8

RECOMMENDED PREPARATION

Ent. 51. General Entomology	3
Bot. 1. General Botany	4

REQUIRED

Zool. 58. Heredity and Eugenics	2
Zool. 107. Organic Evolution	3
Zool. 109. Histology and Organology	4
Zool. 110. Histological Technique	2
Zool. 113. Embryology	4
Zool. 115. Cytology	4
Zool. 161-162. Pro-Seminar	4

SUGGESTED ELECTIVES

Course	Credits
Bot. 54. Systematic Botany	3
Bot. 122. Morphology	4
Chem. 101-102. Organic Chemistry	8
Bact. 51. General Bacteriology	4
Zool. 53. Invertebrate Zoology	4
Zool. 68. Ornithology	3
Zool. 103-104. Human Anatomy	4
Zool. 105-106. Human Physiology	6
Zool. 111. General Neurology	4
Zool. 118. Parasitology	4
Zool. 119-120. Thesis	2
Zool. 151-152. Photographic Technique	4
Chem. 111-112. Biochemistry	6
Bot. 101-102. Plant Physiology	8
Bot. 104. Plant Anatomy	4
Education	15

The College of Agriculture

EDWARD JOHN IDDINGS, M.S. ..... *Dean of the College*
CHARLES WILLIAM HUNGERFORD, PH.D. ..... *Assistant Dean*
AGNES KERR HITE ..... *Secretary of the College Faculty*
FLOYD WARNICK ATKESON, M.S.(AGR.) .....
..... *Chairman of the Scholarship Committee*
HERBERT ELMER LATTIG, M.S.(ED.) *Chairman of the Curriculum Committee*
HAROLD WATKINS HULBERT, M.S.(AGR.) .....
..... *Chairman of the Publications Committee*

THE equipment of the College of Agriculture and Agricultural Experiment Station at Moscow consists of 612 acres of deeded and leased land and 11 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; horticultural by-products building; green houses; dairy-cattle; horse, sheep, and beef-cattle barns; poultry house, and poultry-service building; carefully selected herds of 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, dairy, and soil chemistry, and special research. Reference books, technical bulletins, and journals are on file in the department library.

AGRICULTURAL ECONOMICS.—Facilities for instruction and research are provided in the office in Morrill Hall. An office library is maintained which contains the chief sources of agricultural statistics, both historical and current, together with bulletins, textbooks, and periodicals. Electric calculating machines and other devices are at hand as an aid to research.

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. A special laboratory is provided for seed testing and advanced research in

crops. The Department operates a 75-acre tract of land for experimental and demonstration work, which is used to supplement the laboratory courses. The soil laboratories are well equipped with modern apparatus for soil physics.

ANIMAL HUSBANDRY.—Facilities for training in the various phases of the livestock industry are available in the herds and flocks maintained on the University Farm and in laboratories equipped to meet the needs of detailed study. Twenty-five Percheron horses; 75 Hereford and Shorthorn cattle; 175 sheep representing the Rambouillet, Hampshire, Suffolk, Southdown, and Lincoln breeds; and 100 Duroc Jersey and Poland China swine comprise the herds and flocks. A privately-owned modern packing plant with federal meat inspection service is available and supplements the work offered in the production and processing of meats. Equipment is available for studies of wool. An animal clinic with modern equipment offers laboratory facilities for study of the anatomy, physiology, and diseases of farm animals.

BACTERIOLOGY.—The Department of Bacteriology occupies five large rooms on the first floor of Science Hall. The laboratories are well equipped for teaching and research work. The student laboratory is adjacent to research laboratories where studies are being made on human and animal diseases and also on agricultural and industrial problems, 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, and complete apparatus for the manufacture of butter, cheese, and ice cream. In addition, there is a well-equipped laboratory for research work. For practice in judging and for research work, the University maintains a herd of 90 head of dairy cattle, representing the Jersey and Holstein breeds. Of these complete breeding and production records are kept.

ENTOMOLOGY.—The Department of Entomology occupies three large rooms on the fourth floor of Science Hall. The laboratories are equipped with apparatus necessary for teaching and research work. A well-arranged insect collection is available for study and comparison. The university is in an area rich in its varied, unique insect fauna due to the differences in altitude, soil types, and degrees of cultivation within short distances of the campus.

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 our fruit plantations. 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.

PLANT PATHOLOGY.—Facilities for instruction in Plant Pathology include offices, two well equipped laboratories, a reading room containing suitable reference material, and a greenhouse with modern equipment for both elementary and advanced study and research.

POULTRY.—The poultry plant is provided with facilities for the training of students in practical poultry management and in various phases of special problem work. A central service building houses facilities for judging, incubation, brooding, study of feeds, and the preparation of poultry products for market. Laying houses offer opportunity for instruction in housing and flock management. Experimental feeding trials provide means for special study in poultry nutrition. Instruction in poultry diseases is included in courses in veterinary science. A library maintained in the office in Morrill Hall contains the latest books, bulletins, and magazines as reference material.

ZOOLOGY.—In the College of Letters and Science.

ADMISSION

Admission requirements* are presented in Part II of this catalog.

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 throughout the Freshman and Sophomore years, with some provision for substitution of courses where it is deemed necessary. Detailed instructions for making such substitutions are found under *Majors* on page 56. At the beginning of the Junior year a major agricultural subject is chosen. Majors may be chosen in any Department in the College of Agriculture or in 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

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*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. For the degree B.S.(A.E.) see College of Engineering.

General Agriculture, or will find it desirable to choose electives in one of the other departments in the College of Agriculture to prepare for work in these fields.

CURRICULUM IN AGRICULTURE

FRESHMAN YEAR

FIRST SEMESTER		Credits
Eng.	1. English Composition	3
Chem.	1. General Chemistry	4
Bot.	11. General Ag. Botany	5
Agron.	1. General Crop Prod.	4
Mil.	1. Freshman Military	1½
P.E.	31. Freshman Sports	½
	Total	18

SECOND SEMESTER		Credits
Chem.	2. General Chemistry	4
Zool.	1. General Zoology	4
Hort.	2. Intro. to Horticulture	4
A.E.	4. Gen. Agric. Engin.	3
Mil.	2. Freshman Military	1½
P.E.	32. Freshman Sports	½
	Total	17

SOPHOMORE YEAR

FIRST SEMESTER		Credits
Chem.	53. Organic Chemistry	4
*Soc.Sci.	1. Contemporary Civiliz...	3
Ent.	51. General Entomology	3
A.H.	1. Livestock Industry	5
Mil.	3. Sophomore Military	1½
P.E.	33. Sophomore Sports	½
	Total	17

SECOND SEMESTER		Credits
Ag.Chem.	2. Ag. Chemistry	4
*Soc.Sci.	2. Contemporary Civiliz.	3
Bact.	51. General Bacteriology	4
D.H.	2. Elements of Dairying	4
Mil.	4. Sophomore Military	1½
P.E.	34. Freshman Sports	1½
	Total	17

JUNIOR YEAR

FIRST SEMESTER		Credits
Econ.	115. Agricultural Economics	3
P.P.	101. General Plant Path...	3
Agron.	151. General Soils	4
Major	Requirements	8
	Total	18

SECOND SEMESTER		Credits
Eng.	155. Technical Writing	3
Major	Requirements	15-11
†Phys.	1. Elementary Physics	4
	Total	18

SENIOR YEAR

FIRST SEMESTER	Credits
Minimum Major Requirements	7
Selected Courses	12
Total	19

SECOND SEMESTER	Credits
Minimum Major Requirements	4
Selected Courses	14
Total	18

SUMMARY

Required Basic Courses	82 credits or	86 credits**
Major Requirements and Related Courses	32	32
Elective	28	24
Total Required for Graduation	142	142

*The student may select other subjects in social studies instead of Soc. Sci. 1-2, such electives to be approved by the Dean or major professor.

†Students who present one year of high school physics for entrance are not required to take Phys. 1, and will be allowed 15 elective credits in the second semester of the Junior year.

**Those who enter without high school physics.

Students who have taken some agricultural courses in the Southern Branch will find no difficulty in adjusting their schedules to the Agricultural curriculum as outlined above.

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 14 years of age.

Students who complete at least 13 credits in Agricultural Education and two credits in Ed. 55, Idaho Law, Manual and Civics, will receive a five-year high school certificate.

MAJORS

Before the close of the Freshman year each student will be asked to fill out a form indicating the type of work he expects or hopes to follow. Before the end of the Sophomore year he will file a written statement in the Dean's office indicating the Department in which he expects to major. Any student in the College of Agriculture desiring more definitely to prepare himself for any specific lines of work may, with the approval of the Dean of the College of Agriculture and the Head of the Department in which he expects to major, substitute for courses specified in the regular agricultural curriculum as follows:

FIRST: Six credits in other Social Studies for Soc. Sci. 1-2 (Contemporary Civilization); Chem. 51 (Qualitative and Gravimetric Analysis) for Chem. 53 (Organic Chemistry); Chem. 52 (Quantitative Analysis) for Ag. Chem. 2 (Agricultural Chemistry); Bot. 1 (General Botany) for Bot. 11 (General Agricultural Botany).

SECOND: Other substitutions, not to exceed a total of 12 semester credits, selected from the following courses: Agron. 1 (General Crop Production); Hort. 2 (Introduction to Horticulture); A.E. 4 (General Agricultural Engineering); A.H. 1 (Livestock Industry); D.H. 2 (Elements of Dairying); Ag. Chem. 2 (Agricultural Chemistry); Ent. 51 (General Entomology); P.P. 101 (General Plant Pathology); Agron. 151 (General Soils).

Majors may be chosen in any department in the College of Agriculture or in 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 in courses numbered above 100 are required for a major, the courses to be selected by the major department. The student will take 12 credits in other departments, the courses to be selected with a definite objective and approved by the major department. Twenty-four to twenty-eight credits are elective.

ADULT SPECIAL STUDENTS

Students who are 21 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. See page 27 for regulations governing such admission.

SHORT COURSES

COMMERCIAL DAIRYING

October 23, 1933 to March 23, 1934

The five-months' course in Commercial Dairying is planned to give a practical working knowledge of modern dairying manufacturing methods. The primary object of the course is, however, to train men who will be able successfully to fill responsible positions in dairy manufacturing plants. Efforts are made to place worthy men in desirable positions.

A three-story brick building devoted entirely to the work in dairying provides space for classrooms and laboratories. The equipment includes the necessary machinery and complete equipment for the manufacturing of butter, cheese, and ice cream, and the processing of market milk by modern commercial methods. Refrigeration is furnished by a five-ton mechanical refrigerating plant. The testing laboratory includes a Mojonnier tester, the most modern machine for testing milk and milk products.

Tuition is free, but each student pays a health fee of $2 each term, and a Students' Association fee of $4.25 each term, admitting him to all athletic contests on the campus, covering his subscription to the college paper, and entitling him to 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 fee of $2.50.

Students who are 17 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 10 weeks each.

Commercial Dairying Curriculum

FIRST TERM		
Course	Hours	
	Lect.	Lab.
Cheesemaking	2	5
Ice-cream Making	2	2
Farm Dairying	1	4
Dairy Bacteriology	2	0
Dairy Mechanics	0	3
Dairy Calculations	2	0
Market Poultry and Eggs	1	2
Factory Tests	0	2
Total	10	18

SECOND TERM		
Course	Hours	
	Lect.	Lab.
Buttermaking	2	4
Milk Production	2	4
Market Milk	2	2
Factory Management	3	0
Dairy Calculations	2	0
Dairy Bacteriology	0	4
Scoring Milk, Butter, Cheese and Ice Cream	0	2
Total	11	16

MOTOR MECHANICS

Nine Months' Vocational Course, Sept. 18, 1933 to June 9, 1934

The State Department of Vocational Education has made it possible

through its cooperation to give the work in motor mechanics on a nine months' basis. The course consists of practical instruction in repair of automobiles, tractors, and trucks and 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 an oxyacetylene 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 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, a general laboratory fee of $5 a term is required.

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 SEMESTER		
Course	Hours	
	Lect.	Lab.
Shop Practice	1	3
Shop Management	2	0
Machine Shop	0	6
Motor Repair	2	6
Ignition	2	6
Welding	1	6
Chassis	1	3
Physical Education	1	0
Total	10	30

SECOND SEMESTER		
Course	Hours	
	Lect.	Lab.
Tractors and Trucks	1	6
Shop Management	2	0
Tops, Bodies, Fenders	1	3
Motor Repair	2	6
Ignition	2	6
Welding	0	3
Chassis	1	3
Physical Education	1	0
Storage Batteries and Tires	1	3
Total	11	30

TRACTOR SHORT COURSE

January 29 to February 10, 1934

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 16 years of age may enter the course.

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

The College of Engineering

IVAN CHARLES CRAWFORD, C.E. ..... *Dean of the College*
ROBERT H. HULL, E.E. ..... *Secretary of the College Faculty*

THE College of Engineering offers curricula in Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, and (in cooperation with the College of Agriculture) Agricultural Engineering.

EQUIPMENT

CIVIL ENGINEERING.—In Civil Engineering there is a full equipment of field instruments, an unusually well-appointed drafting room, and a materials laboratory containing 200,000-pound and 50,000-pound testing machines. A fully equipped road-materials laboratory is available for the instruction of students and for the service of highway officials throughout the State.

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, electrical standardization and vacuum tube testing laboratories are maintained.

MECHANICAL ENGINEERING.—The Mechanical Engineering laboratory is equipped for experimental work on steam, gas, and oil engines; on gas producers, air compressors, feed pumps and heaters, and injectors; on airplane engines; 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.

CHEMICAL ENGINEERING.—The Chemical Engineering laboratories are not segregated from those of the Department of Chemistry. Ample laboratory equipment is provided for this curriculum.

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 Part. II.

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

COMMON FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. Composition	3	Eng. 2. Composition	3
Math. 11. Freshman Mathematics	5	Math. 12. Freshman Mathematics	5
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 1. Engineering Drawing	3	C.E. 2. Descriptive Geometry	3
C.E. 9. Engineering Problems	1	C.E. 10. Engineering Problems	1
Mil. 1. Freshman Military	1½	Mil. 2. Freshman Military	1½
P.E. 31. Freshman Sports	½	P.E. 32. Freshman Sports	½
Engineering Lectures		Engineering Lectures	
Total	18	Total	18

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

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. Plane Surveying	4	C.E. 4. Topographic Surveying	3
Geol. 1. General Geology	4	C.E. 6. Mechanics (Statics)	2
Mil. 3. Sophomore Military	1½	C.E. 8. Plane Curves	1
P.E. 33. Sophomore Sports	½	Mil. 4. Sophomore Military	1½
		P.E. 34. Sophomore Sports	½
Total	19	Total	17

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	C.E. 112. Materials Laboratory	1
C.E. 105. Highways and Streets	2	M.E. 121. Thermodynamics I	3
C.E. 107. Railroad Engineering	2	C.E. 104. Hydraulics	3
C.E. 109. Materials Laboratory	1	C.E. 106. Reinforced Concrete	2
C.E. 113. Railway and Highway Surveying	3	Eng. 151. Engineering Reports	3
E.E. 131. D. C. Machinery	3	E.E. 132. A. C. Machinery	2
Elective*	2	Elective*	2
Total	18	Total	19

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

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 121. Structural Design	3	C.E. 120. Irrigation	2
C.E. 123. Steel Structure	2	C.E. 122. Water Supply	2
C.E. 125. Sewers and Sewage	2	C.E. 124. Contracts & Specifications	2
C.E. 127. Water Power Engin.	2	C.E. 126. Concrete Structures	5
C.E. 135. Estimates and Costs	2	C.E. 128. Pro-Seminar	1
C.E. 137. Statically Indeterminate Stresses	3	C.E. 138. Engineering Administration	2
Elective*	4	Elective*	4
Total	18	Total	18

Total credits required, 145

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)	2
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	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 103. Mechanics of Materials.	3	C.E. 101. Mechanics (Dynamics)	2
C.E. 109. Materials Laboratory	1	C.E. 104. Hydraulics	3
M.E. 121. Thermodynamics I	3	M.E. 122. Thermodynamics II	3
E.E. 133. D. C. Machinery	3	M.E. 124. Machine Design	2
E.E. 135. E. E. Laboratory	2	E.E. 134. A. C. Machinery	3
Math. 101. Engineering Math.	3	E.E. 136. E. E. Laboratory	2
Phys. 131. Elec. and Magnetism	2	Eng. 151. Engineering Reports	3
Phys. 133. Elec. Measurements	2		
Total	19	Total	18

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. Pro-Seminar	1
E.E. 145. Pro-Seminar	1	E.E. 150. Radio Engineering	3
E.E. 147. Electrical Design	3	C.E. 124. Contracts & Specifications	2
Elective*	5	Elective*	5
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

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

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 151. Engineering Reports ..	3	Ger. 16. Scientific German	3
Ger. 15. Scientific German	3	C.E. 6. Mechanics (Statics) ...	2
Chem. 101. Organic Chemistry	4	Chem. 102. Organic Chemistry	4
Chem. 103. Adv. Quant. Analysis .	3	Chem. 108. Industrial Chemistry ..	2
E.E. 131. Direct Current Mach...	3	E.E. 132. A.C. Machinery & Lab..	2
M.E. 13. Mechanism	3	M.E. 128. M.E. Laboratory	2
		Elective*	3
Total 19		Total 18	

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 113. Chemical Engineering .	3	Chem. 114. Chemical Engineering ..	4
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. 124. Machine Design	2
M.E. 121. Thermodynamics I	3	C.E. 3b. Plane Surveying	2
C.E. 109. Materials Laboratory ..	1	C.E. 124. Contracts & Specifications	2
Chem. 109. Thesis	2	Chem. 110. Thesis	1
Total 17		Total 17	

Total credits required, 145

CURRICULUM IN MECHANICAL ENGINEERING

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 51. Calculus	4	**C.E. 6. Mechanics (Statics) ....**	**2**
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	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. 101. Mechanics (Dynamics) .	2	M.E. 122. Thermodynamics II	3
C.E. 103. Mechanics of Materials .	3	M.E. 128. M.E. Laboratory	2
M.E. 121. Thermodynamics I	4	M.E. 124. Machine Design	2
E.E. 133. D.C. Machinery	3	E.E. 134. A.C. Machinery	3
E.E. 137. E.E. Laboratory	2	E.E. 138. E.E. Laboratory	2
C.E. 109. Materials Laboratory ...	1	C.E. 104. Hydraulics	3
M.E. 123. Aerodynamics I	3	**Eng. 151. Engineering Reports ...**	**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 & Ventilation ..	2
M.E. 125. Machine Design	2	M.E. 136. Steam Power Plants ...	2
M.E. 141. Thermodynamics III ...	3	M.E. 142. Airplane Engines	2
M.E. 129. Aerodynamics II	**3**	C.E. 124. Contracts & Specifications	2
M.E. 127. M.E. Laboratory (Gas).	2	M.E. 140. Pro-Seminar	1
Elective*	5	M.E. 150. Thesis	3
		C.E. 3b. Plane Surveying	2
		Elective*	4
Total 18		Total 18	

Total credits required, 145

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

CURRICULUM IN AGRICULTURAL ENGINEERING

Administered jointly by the Colleges of Engineering and Agriculture.

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 51. Calculus	4	Math. 52. Calculus	4
Phys. 11. Engr. Physics.	5	Phys. 12. Engr. Physics	5
C.E. 3. Plane Surveying	4	C.E. 4. Topo. Surveying	3
Agron. 1. Gen. Crop Production	4	C.E. 6. Mech. (Statics)	2
Mil. 3. Soph. Mil.	1½	A.E. 132. Farm Machinery	2
PE. 33. Soph. Sports	½	Mil. 4. Soph. Mil.	1½
		P.E. 34. Soph. Sports	½
Total	19	Total	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 151. Engr. Reports	3	C.E. 104. Hydraulics	3
C.E. 101. Mechanics (Dynamics)	2	C.E. 102. Framed Structures	3
C.E. 103. Mech. of Materials	3	C.E. 106. Reinforced Concrete	2
M.E. 121. Thermodynamics I	3	A.E. 112. Water Supply & San.	2
M.E. 13. Mechanism	3	D.H. 2. Elements of Dairying	4
C.E. 109. Materials Lab.	1	E.E. 22. Elem. Elec. Engr.	3
Econ. 115. Agr. Economics	3	A.E. 133. Tractors & Trucks	2
Total	18	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. Gen. Geology	4	C.E. 124. Con. & Spec.	2
E.E. 133. D.C. Machinery	3	E.E. 134. A.C. Machinery	3
E.E. 137. E.E. Laboratory	2	E.E. 138. E.E. Laboratory	2
A.E. 161. Irri. Practice	2	A.E. 108. Farm Buildings	3
Agron. 151. Gen. Soils	4	A.E. 136. Mach. Meth. in Agr.	3
Elective*	2	Elective*	4
Total	18	Total	18

Total credits required, 146

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

The College of Law

(The Idaho Law School)

WILLIAM E. MASTERSON, M.A., LL.B., S.J.D., LL.D. ..... *Dean*

THE Idaho Law School was established in 1909. The attendance during the ensuing years, and the interest shown by 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 thorough 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.

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.

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 thorough preliminary education will have 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.

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 thorough systematic training in the principles of law. Such a training is to be had only in a law school of high standards.

In 1921, the Association of American Law Schools, an organization at present composed of more than 60 of the leading law schools of the country, unanimously adopted a resolution that, commencing in 1925, all member schools be required to have an entrance requirement of at least two years of college work.

The 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 and foreign languages. Electives to supply an informational background for law study should be found in Economics, English, 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 style in writing and speaking.

REQUIREMENTS FOR ADMISSION

Admission requirements are stated in Part II

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 98 semester hours and who has satisfied all other requirements of the College of Letters and Science for this degree as specified on page 48 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. The same scholarship requirements are in effect for this combined course as for regular admission to the College of Law. See page 28.

No work included in the above 98 credits and counted towards the Bachelor of Arts degree may be counted again toward the LL.B. degree.

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.

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 unable to pursue such studies as will qualify him for admission as a regular student, and 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 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

Courses in Law 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.

TRIAL PRACTICE

The student organization of the College of Law, known as the Bench and Bar, holds regular meetings every two weeks, when it is addressed by outstanding lawyers and other professional men. This organization engages in the trial of at least one case each school year. The law faculty assists in drawing up legal papers and mapping out the general plan of procedure. An Idaho judge presides. The student is thus not only well grounded in the theory of the law, but has an opportunity to practice it in the trial of cases.

THE IDAHO LAW JOURNAL

The College of Law now publishes a Law Journal devoted to articles, case notes and comments, book reviews, summaries of current legislation, discussions of the work and organization of the Judicial Council of the State and of the Idaho State Bar, the proceedings of the annual meetings of the Idaho State Bar, and other material of interest to lawyers and law students.

The Board of Editors is composed of the law faculty and representative lawyers of the state, and this board is assisted by a Student Board of Editors, made up of honor students from the second and third year classes. This publication is a great asset to students of the law school, and an invaluable aid to practicing lawyers of the state. It gives the students practice in legal research and in logical arrangement and organization of materials.

SPECIAL LECTURERS

It is the policy of the College to bring to the school each year expert practicing lawyers of the state for series of lectures in specialized subjects. Special lectures are given in the law of water rights, and in mining law, and in special phases of Idaho practice, and office practice.

EQUIPMENT AND LIBRARY

Rooms.—The College of Law occupies rooms set apart for its use in the Administration Building. These rooms include recitation rooms, offices for the members of the law faculty, the law library, and study rooms.

LIBRARY.—The law library and study rooms contain a growing law library of more than ten thousand volumes, 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, and the English Reprints;* 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 library also contains a good selection of works on international 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 60 of the high-grade law schools of the United States and Canada. It 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 48 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.

FEES AND EXPENSES

There is no tuition fee in the College of Law. General expenses are outlined in Part I.

CURRICULUM

The course of study covers three academic years. The prescribed first-year work is required of all students. Each student in the second and third years should take a minimum of 12 hours each semester and may not, during any semester, receive credit for more than 15 hours.

In courses 101n-102, 105n-106, 201n-202, 221n-222, 257n-258, and 263n-264, no credits 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.

CURRICULUM IN LAW

FIRST YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Law 101n.	Contracts	3	Law 102.	Contracts	3
Law 105n.	Criminal Law and Procedure	3	Law 106.	Criminal Law and Procedure	2
Law 109.	Civil Procedure	4	Law 112.	Property II	3
Law 111.	Property I	3	Law 116.	Torts	5

SECOND AND THIRD YEARS

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Law 201n.	Equity	3	Law 202.	Equity	3
Law 203.	Persons	2	Law 212.	Property IV	2
Law 207.	Evidence	4	Law 218.	Bills and Notes	3
Law 211.	Property III	2	Law 222.	Sales	2
Law 214.	Agency	2	Law 232.	Code Pleading	3
Law 221n.	Sales	2	Law 254.	Private Corporations	4
Law 233.	Credit Transactions	4	Law 256.	Conflict of Laws	4
Law 251.	Constitutional Law	4	Law 258.	Trusts	2
Law 257n.	Trusts	2	Law 262.	Partnership	3
Law 263.	Public Utilities	2	Law 264.	Public Utilities	2
Law 271.	International Law	2	Law 282.	Research	2
Law 281.	Research	2	Law 292.	Mining Law	
			Law 294.	The Law of Water	
			Law 296.	Office Practice	

The School of Mines

JOHN WELLINGTON FINCH, Sc.D.....*Dean*

THE University of Idaho, situated in one of the foremost mining regions of the world, appropriately maintains courses in the technology of the mineral industries.

To enable this work to be carried on effectively, in August, 1917, a School of Mines was created as an administrative unit of the University, and its scope was indicated in the following language:

> 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 accordance with these instructions, the School of Mines offers curricula leading to the degrees of Bachelor of Science in Geology, in Mining, and in Metallurgy. For requirements for the degrees of Master of Science in these branches and the professional degrees, E. M., and Met.E., see the description of the Graduate School.

ADVANTAGES OF LOCATION

The region within a radius of 300 miles from Moscow has produced, within the last thirty years, minerals and metals worth more than $1,000,000,000. In this circle are located many famous mining camps such as the Coeur d'Alene district, Silver City and DeLamar in Idaho; Baker City, Oregon; Butte, Philipsburg, Virginia City, Marysville, in Montana; Trail, Granby, and other districts in British Columbia. In the active mining centers the precious metals and the industrial metals are produced on a large scale by the most modern equipment, and intensive scientific research is carried on continuously. Such notable operations afford invaluable opportunities to supplement instruction at the School by observation of the best technical practice.

In addition to such opportunities for the metallurgical and mining student, the state cannot be equalled as a field for the study of general geology of a purely scientific nature. The section of sedimentary rocks ranges from Algonkian to Pleistocene. The igneous rocks are of unusual variety in age and character, pre-Cambrian intrusives, the great Idaho batholith with its numerous differentiates, the middle Tertiary and more recent lava flows which cover thousands of square miles of territory, and volcanic craters recently active. Nowhere else in the world can the relationship of ore deposition and igneous activities be studied to better advantage.

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 mentioned the student has the use of the well-equipped laboratories of the departments of Mechanical, Electrical, and Civil Engineering, and of Chemistry and Physics, as well as opportunity for studies in the College

of Letters and Science, and enjoys many cultural benefits not obtainable in isolated mining schools that are not connected with universities.

GEOLOGY.—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; oriented thin sections of important rock-forming minerals; crystal models, thin sections, and hand specimens of rocks; natural crystals and artificial crystal models; more than 3000 mineral specimens; over 2000 rock specimens; 1000 specimens illustrating ore deposits; a representative collection of fossils and casts; and equipment such as microscopes, thin-sectioning apparatus, projecting lanterns, and topographic and geologic maps.

MINING AND METALLURGY.—The equipment in mining includes models of mine workings and of mine timbering, rock drills, and mine surveying instruments. Metallurgical, ore dressing, and assay laboratories are among the most complete in the West and equipment includes apparatus for ore treatment by wet and dry processes; twelve double-muffle, oil-fired furnaces; a chemical laboratory; parting room and balance room; laboratory crushers; gyratory and jaw crushers; rolls and ball mills; disc pulverizer; screening equipment; several types of concentrating tables; flotation machines of various kinds, including the well known Fahrenwald machine developed at this School; apparatus for leaching and agitation tests for gold and silver extraction; pyrometers; calorimeters; and other equipment.

SCHOOL OF MINES LIBRARY.—Mr. Joseph J. Taylor of Montpelier, one of the pioneer mining engineers of the West, gave to the School of Mines a number of years ago a small but select library of technical books and reports of great value, and upon this nucleus, through gifts and loans from other friends and members of the faculty, and exchanges of the State Bureau of Mines and Geology, an excellent departmental reference and research library has been built up to supplement the University Library for purposes of instruction.

GENERAL INFORMATION

FEES AND EXPENSES.—For a statement of fees and expenses, see Part I.

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

FIELD GEOLOGY AND PRACTICAL MINING.—The Dean and faculty of the School aid students in securing employment in mining or geological field work during summer vacations. Required courses giving practice and instruction in the field are Geol. 130-131 and Min. 106-107.

GRADUATE FELLOWSHIPS.—Two graduate fellowships are offered, carrying an income of $500 a year each, one in geology and one in metallurgy, the latter supported by the Idaho Bureau of Mines and Geology. Under the direction of Professor Fahrenwald and members of the Idaho Bureau

of Mines and Geology staff, the metallurgy fellow carries on research work upon some of the urgent ore-treatment problems of Idaho or those of a general nature confronting the industry. The geology fellow, under the staff of the geology department is assigned geologic research in field and laboratory, generally upon a problem connected with the mineral industry of the state.

THESIS.—Senior students are assigned individual investigation upon problems of their own choice and an acceptable thesis is a requirement for graduation.

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 seniors. Details of this scholarship will be found in Part I under "Scholarships and Prizes."

ADMISSION

For a statement of admission requirements see Part II.

CURRICULA

The courses offered rank with those of the leading mining schools of the country. Students in all three curricula, viz., Geology, Mining, and Metallurgy, take the same work in the Freshman and Sophomore years. It is necessary for the student to decide before the close of his Sophomore year which curriculum he expects to follow thereafter. Until this time, he has ample opportunity to make a deliberate and thoughtful choice as his ambitions become defined and his aptitudes tested.

COMMON TO ALL OPTIONS

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
Geol. 1. Introductory Geology	4	Geol. 2. Historical Geology	4
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	18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 1. Engineering Drawing	3	C.E. 2. Descriptive Geometry	3
Geol. 53. General Mineralogy	3	Phys. 12. Engineering Physics	5
Phys. 11. Engineering Physics	5	Geol. 54. General Mineralogy	3
Math. 51 Calculus*	4	Math. 52 Calculus *	4
Mil. 3. Sophomore Military	1½	Mil. 4. Sophomore Military	1½
P.E. 33. Sophomore Sports	½	P.E. 34. Sophomore Sports	½
		Met. 104. Fire Assaying	1
Total	17	Total	18

*Students in the Geology Option may take in lieu of Math 51-52 (Calculus), subjects approved by the faculty of the Department of Geology. Such students will take Phys. 3-4 instead of Phys. 11-12.

GEOLOGY OPTION

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 51. Qualitative Analysis	4	Geol. 152. Geology of Ore Deposits.	4
C.E. 3a. Plane Surveying	3	C.E. 4. Topographic Surveying .	3
Met. 105. Fire Assaying, Lab.	2	Geol. 130. Geological Field Methods	1
Geol. 101. Advanced Physiography .	3	Econ. 54. Economics for Technical Students	3
Geo. 151. Geology of Non-Metal-liferous Deposits ...	3	Met. 102. General Metallurgy	2
Geol. 111. Introductory Paleontology	3	Geol. 102. Advanced Stratigraphy .	3
		Min. 106. Mine Surveying	2
		Elective	2
Total	18	Total	20

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Geol. 163. Optical Mineralogy	3	Geol. 164. Petrography	3
Geol. 155. Mineragraphy	2	Geol. 190. Geophysical Prospecting	2
Geol. 153. Petroleum Geology	3	Min. 108. Mine Rescue	1
Min. 101. Elements of Mining ...	3	Geol. 194. Thesis	2
Geol. 131. Geological Field Methods	2	Eng. 151. Engineering Reports ..	3
Min. 107. Mine Surveying	2	Elective	7
Met. 103. General Metallurgy Lab.	1		
Geol. 151. Structural Geology	3		
Total	19	Total	18

Total credits required for graduation, 146

MINING OPTION

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Min. 101. Elements of Mining ...	3	Chem. 52. Quantitative Analysis ..	4
Chem. 51. Qualitative Analysis ...	4	C.E. 4. Topographic Surveying .	3
C.E. 3a. Plane Surveying	3	Geol. 108. Rock Minerals and Rocks	2
Met. 105. Fire Assaying, Lab.	2	Met. 102. General Metallurgy	2
Eng. 151. Engineering Reports ...	3	Phys. 122. Analytical Mechanics ..	3
Phys. 121. Analytical Mechanics ...	3	Econ. 54. Economics for Technical Students	3
		Min. 106. Mine Surveying	2
		Geol. 130. Geological Field Methods	1
Total	18	Total	20

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Min. 103. Mine Plant Design	3	Min. 108. Mine Rescue & First Aid	1
Min. 105. Mine Economics	2	Min. 112. Mining Methods	3
Min. 107. Mine Surveying	2	Min. 198. Thesis	2
Met. 111. Ore Dressing	2	Met. 116. Non-Ferrous Metallurgy.	2
Met. 115. Non-Ferrous Metallurgy.	2	Met. 112. Ore Dressing, Lab.	2
E.E. 131. D.C. Machinery	3	E.E. 132. A.C. Machinery	2
Met. 103. General Metallurgy, Lab.	1	Geol. 152. Geology of Ore Deposits	4
Geol. 131 Geological Field Methods	2	Geol. 190. Geophysical Prospecting	2
Elective	2		
Total	19	Total	18

Total credits required for graduation, 146

METALLURGY OPTION

JUNIOR YEAR

FIRST SEMESTER	SECOND SEMESTER
Same as Mining Option	Same as Mining Option

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Min. 103. Mine Plant Design	3	Min. 108. Mine Rescue & First Aid	1
Min. 105. Mine Economics	2	Met. 106. Metallurgy of Iron and Steel	1
Min. 107. Mine Surveying	2	Met. 116. Non-Ferrous Metallurgy.	2
Met. 109. Metallurgical Calculations	1	Met. 112. Ore Dressing, Lab.	2
Met. 103. General Metallurgy, Lab.	1	Met. 110. Metallurgical Calculations	1
Met. 115. Non-Ferrous Metallurgy.	2	E.E. 132. A.C. Machinery	2
Met. 111. Ore Dressing	2	Met. 196. Thesis	2
Geol. 131. Geological Field Methods	2	Geol. 152. Geology of Ore Deposits	4
E.E. 131. D.C. Machinery	3	Elective	4
Total	18	Total	19

Total credits required for graduation, 146

The School of Forestry

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

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

OBJECTIVES

1. To give the student a thorough and liberal training in forestry, to inculcate in him right professional attitudes, to foster creative thinking by the self-teaching principle, and to help him to an appreciation of those character values and higher standards of living which will enable him to achieve the highest success in the profession of forestry and in the service of society.

2. To assist, through fundamental and applied research, in the solution of forest problems, in bringing about the better utilization of forest products and in encouraging the scientific management of the forests to the end that the industries dependent upon them may be perpetuated.

3. To carry on a campaign of public education as a means of crystallizing public thought for the proper care of the forests and for developing an understanding of the part which they play in the everyday life of the people.

LOCATION

The School has exceptional advantages for developing practical foresters and lumbermen. It is within a short distance of dense forests and some of the largest sawmills and logging camps in the United States, which show every phase of the lumber industry. Excursions are made at all seasons of the year to sawmills, logging camps, 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 40 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 woodlots and windbreaks and the planting of shade and ornamental trees, the School supplies forest and shade trees to the people of the State at approximate 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.

The School also is developing as an Experimental Forest under a special use permit from the U.S. Forest Service a tract of some 5,000 acres in the Palouse Division of the Saint Joe National Forest. This area is situated 45 miles from Moscow and is traversed by the North and South Highway. This is known as The Saint Joe Experimental Forest. The School recently acquired by outright gift from the Forest Development Company, Lewiston, Idaho, 3,647 acres of timber land in the Moscow mountain region for use as a demonstration forest. This is known as the Moscow Mountain Experimental Forest. This area will average about 18 miles from Moscow.

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, forest pathology, wood chemistry, and by-products.

To supplement the field work, modern and fully equipped laboratories and greenhouse spaces are provided for the study of silviculture, dendrology, mensuration, and logging engineering. An especially well equipped laboratory for wood technology including microscopes and wood sectioning apparatus is provided. The forest products unit includes laboratories for conducting work in forest pathology, wood preservation, wood chemistry, and wood conversion. These laboratories contain modern appliances and include a complete semi-commercial plant for the manufacture of wood pulp products. Greenhouse space is provided for germination tests and studies in seedling growth during all seasons of the year. There is also a laboratory and greenhouse for the study of white pine blister rust problems. Auto trucks are available for field trips.

FEES AND EXPENSES

For a statement of fees and expenses, see Part I.

ADMISSION REQUIREMENTS

For a statement of admission requirements, see Part II.

CURRICULA

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

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

and with livestock companies. Opportunity is given also for specialization in forest products or in the lumber business.

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

COMMON FRESHMAN YEAR

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

CURRICULUM IN GENERAL FORESTRY

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 3a. Plane Surveying	3	C.E. 4. Topographic Surveying	3
Econ. 51. Principles of Economics	3	Econ. 52. Principles of Economics	3
Ent. 51. General Entomology	3	For. 22. Forest Resources	2
For. 23. Foundations of Silviculture	3	For. 26. Seeding and Planting	2
Mil. 3. Sophomore Military	1½	Mil. 4. Sophomore Military	1½
P.E. 33. Sophomore Sports	½	P.E. 34. Sophomore Sports	½
		Elective	2
Total	18	Total	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 3. General Physics	4	Phys. 4. General Physics	4
For. 131. Wood Technology	4	Eng. 155. Technical Writing	3
For. 141. Forest History and Policy	3	For. 120. Junior Field Trip	1
For. 151. The Range Industry	3	For. 140. Forest Economics	2
For. 153. Forest Mensuration	3	For. 154. Forest Mensuration	3
For. 163. Forest Pathology	3	For. 192. Forest Research Methods	2
Total	20	Total	15

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bot. 101. Plant Physiology	4	Bot. 102. Plant Physiology	4
For. 123. Practice of Silviculture	3	For. 142. Forest Administration	2
For. 133. Forest Products	3	For. 156. Forest Management	3
For. 155. Forest Management	4	For. 172. Lumber Manufacture and Distribution	2
For. 157. Forest Mensuraton	3	For. 180. Thesis	2
For. 171. Logging	3		
Total	20	Total	13

Total credits required for graduation, 140.

CURRICULUM IN LOGGING ENGINEERING

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 3a. Plane Surveying	3	C.E. 4. Topographic Surveying	3
Math. 51. Calculus	4	Math. 52. Calculus	4
For. 21. Forest Resources	2	Econ. 54. Principles of Economics	3
For. 23. Found. of Silviculture	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
		P.E. 34. Sophomore Sports	½
Total	18	Total	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 3. General Physics	4	Phys. 4. General Physics	4
C.E. 107. Railroad Engineering	2	C.E. 6. Mechanics (Statics)	2
C.E. 113. Railway and Highway Surveying	3	Eng. 155. Technical Writing	3
For. 131. Wood Technology	4	For. 120. Junior Field Trip	1
For. 153. Forest Mensuration	3	For. 140. Forest Economics	2
For. 163. Forest Pathology	3	For. 154. Forest Mensuration	3
		For. 192. Forest Research Methods	2
Total	19	Total	17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics)	2	For. 156. Forest Management	3
For. 123. Practice of Silviculture	3	For. 172. Lumber Manufacture and Distribution	2
For. 133. Forest Products	3	For. 180. Thesis	2
For. 155. Forest Management	4	Elective	5
For. 157. Forest Mensuration	3		
For. 171. Logging	3		
Total	18	Total	12

Total credits required for graduation, 140.

CURRICULUM IN RANGE MANAGEMENT

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 3a. Plane Surveying	3	C.E. 4. Topographic Surveying	3
Econ. 51. Principles of Economics	3	Econ. 52. Principles of Economics	3
Phys. 3. General Physics	4	Phys. 4. General Physics	4
For. 23. Found. of Silviculture	3	For. 26. Seeding and Planting	2
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
A.H. 1. The Livestock Industry	4	Bot. 54. Systematic Botany	3
Bot. 53. Systematic Botany	3	Eng. 155. Technical Writing	3
For. 131. Wood Technology	4	For. 120. Junior Field Trip	1
For. 141. Forest Hist. and Policy	3	For. 152. Range Management	3
For. 151. The Range Industry	3	For. 154. Forest Mensuration	3
For. 153. Forest Mensuration	3	For. 192. Forest Research Methods	2
Total	20	Total	15

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bot. 101. Plant Physiology	4	A.H. 142. Range Livestock Management	2
For. 123. Practice of Silviculture	3	Bot. 102. Plant Physiology	4
For. 155. Forest Management	4	For. 156. Forest Management	3
For. 157. Forest Mensuration	3	For. 180. Thesis	2
For. 171. Logging	3		
Bot. 105. Plant Ecology	3		
Total	20	Total	11

Total credits required for graduation, 140.

GRADUATE COURSE

For students intending to specialize in any of the various fields of forestry, a five-year curriculum leading to the degree of Master of Science in

Forestry is highly desirable. Any such student should consult with the faculty at the earliest opportunity so that his program of studies may be properly arranged. Students desiring to follow forest research should have a reading knowledge of French or German.

A minimum of 24 semester credits is required for the master's degree; of these at least 16 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). A thesis is required.

Suggested fifth-year curriculum leading to the degree of Master of Science in Forestry:

FIFTH YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
For. 281. Research	4-6	For. 282. Research	4-6
For. 283. Graduate Seminar	2	For. 284. Graduate Seminar	2
Electives	8-10	Electives	8-10
Total	16	Total	16

RECOMMENDED ELECTIVES

For.	231. Wood Technology 2	Ger.	15. Scientific German 3
For.	255. Forest Management 2	Zool.	152. Photographic Technique . 2
Agron.	155. Origin and Classification of Soils 2	Zool.	151. Photographic Technique . 2
Bot.	203. Plant Physics, Nutrition and Growth 3	For.	132. Timber Physics 2
Chem.	51. Qualitative and Gravimetric Analysis 4	For.	210. Dendrology 2
Fr.	15. Scientific French 3	Chem.	52. Quantitative Analysis 4
		Ent.	106. Systematic Entomology .. 3
		Fr.	16. Scientific French 3
		Ger.	16. Scientific German 3

Graduates of this University or other institutions of equal rank who have had no courses in forestry, but who possess a satisfactory knowledge of botany, physics, chemistry, surveying, and mathematics may complete the requirements for the master's degree in two years.

The School of Education

*James Franklin Messenger, Ph.D. ..... *Dean of the School*
Bernice McCoy, M.S.(Ed.) ..... *Secretary of the School 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.

The work of the School consists in training high school teachers, principals, superintendents, and supervisors. The services of the School are 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.

Expenses.—For a statement of fees and expenses, see Part I.

Practice Teaching.—The public high school of the city of Moscow is used for practice teaching. Actual schoolroom 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. Graduates of a four-year high school accredited by the State Board of Education or by some other recognized agency will be admitted to Freshman standing.

Degree.—Upon completion of all requirements the degree of Bachelor of Science in Education will be given. For the curriculum in Public School Music, the degree is Bachelor of Science in Music Education. 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 15 to 24. All students must complete the course in 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 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.

Elementary Certificate.—For the benefit of those students who cannot remain in college for the four years consecutively, a student who completes two years of work in the School of Education, including ten credits in Education, may receive a state elementary certificate upon recommendation of the Dean.

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*On leave second semester, 1932-33. Professor R. D. Russell, Acting Dean.

SCHOOL OF EDUCATION

Required of all candidates for the B.S.(Ed.) degree

Course	Credits
Eng. 1-2. Composition	6
Psych. 1. General Psychology	4
Psych. 2. Educational Psychology	3
Mathematics or some other science	4
History, Political Science, Social Science, or Philosophy	6
P.E. or Military	6-8
Ed. 1. Introduction to Education	2
Ed. 11. Student Problems	1
Ed. 105-106. History of Education	6
Ed. 113. Secondary Education	3
Ed. 114. High School Methods	3
Ed. 131. Practice Teaching*	3
Ed. 55. Idaho Law, Manual, and Civics	2

GENERAL CURRICULUM IN EDUCATION

In addition to the courses required of all students, each student must choose two teaching subjects from the following fields: Art, Botany, Chemistry, Commerce, Economics, English, Dramatics and Public Speaking, French, German, General Science, History, Latin, Mathematics, Manual Training, Music, Physical Education, Political Science and Sociology, Physics, Psychology, 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 foreign language is meant two years in high school or one year in college. In all other subjects the minimum is 18 hours of college work.

Thirty-six semester credits are required in courses numbered above 100.

CURRICULUM IN COMMERCIAL EDUCATION

In addition to the courses required of all students, the following courses constitute the curriculum in Commercial Education:

Course	Credits
Econ. 51-52. Principles of Economics	6
Bus. E.F. Typewriting	0
Bus. 15n-16. Gregg Shorthand	6
Bus. 71-72. Advanced Dictation	6
Bus. 76. Office Practice	2
Bus. 81-82. Principles of Accounting	6
Bus. 165-166. Business Law	6
Bus. 191. Meth. in Commercial Teaching	3
Bus. 169. Marketing	4
Bus. 142. Financial Administration	4

Each student should elect courses which will prepare him to teach at least one other high school subject.

CURRICULUM IN PHYSICAL EDUCATION FOR WOMEN

In addition to the courses required of all students, the following courses constitute the curriculum in Physical Education for Women:

Course	Credits
Zool. 1. General Zoology	4
Zool. 6. Physiology	3
P.E. 9-10. Beginning Dancing	2
P.E. 59-60. Women's Athletics	2
Zool. 55-56. The Human Body	4
Eng. 31. Fundamentals of Speech	2
P.E. 102. Playground Supervision	2
P.E. 47. History of P.E.	2
P.E. 106. Pagentry and Festivals	2
P.E. 111-112. Clog Dancing and Natural Gymnastics	2
P.E. 114. Teaching Folk Dancing	1
P.E. 121. Teaching Individ. Gym.	2
P.E. 125-126. Management of Women's Athletics	4
P.E. 139-140. Methods of Gymnastic Teaching	4
P.E. 188. First Aid	2
Second Teaching Subject	18

CURRICULUM IN PHYSICAL EDUCATION FOR MEN

In addition to the courses required of all students, the following courses constitute the curriculum of Physical Education for Men:

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

Course	Credits
Bact. 10. Public Health	2
P.E. 41-42. Freshman Activities	4
P.E. 43-44. Sophomore Activities	4
P.E. 47. History of Physical Ed.	2
P.E. 48. Principles of Physical Ed.	2
Zool. 1. General Zoology	4
Zool. 6. Physiology	3
P.E. 81, 82, 83, or 84, Participation in Football, Basektball, or Track	2
P.E. 131. Technique of Teaching Activities	2
P.E. 132. Corrective Physical Ed.	2
P.E. 141. Theory of Coaching Track and Basketball	2
P.E. 142. Theory of Coaching Football and Baseball	2
P.E. 184. Playground and Recreation	2
P.E. 185. Physiology of Exercise	2
P.E. 188. First Aid	2
P.E. 196. Organization and Administration	3
Zool. 55-56. The Human Body	4
Second Teaching Subject	18

CURRICULUM IN PUBLIC SCHOOL MUSIC

Required of all candidates for the B.S.(Mus.Ed.) degree.

Course	Credits
Eng. 1-2. Composition	6
Psych. 1. General Psychology	4
Psych. 2. Educational Psychology	3
One other Science	4
History Political Science, Social Science, or Philosophy	6
P.E. or Military	6-8
Ed. 1. Introduction to Education	2
Ed. 11. Student Problems	1
Ed. 106. History of Education	3
Ed. 113. Secondary Education	3
Ed. 55. Idaho Law, Manual, and Civics	2
Practice Teaching-Music	3
Mus. 1-2. Sight Singing and Ear Training	4
Mus. 3-4. Elementary Harmony	4
Applied Music	16
Ensemble	4
Mus. 11-12. Sight Singing and Ear Training	4
Mus. 5-6. Advanced Harmony	4
Mus. 13-14. Keyboard Harmony	2
Mus. 101-102. History of Music	4
Mus. 103-104. Form and Analysis	4

Each student should elect courses which will prepare him to teach at least one other high school subject.

SUPERVISORS OF VOCAL MUSIC

In addition to the above these students will take the following:

Course	Credits
Mus. 171-172. Elementary School Music	4
Mus. 35-36. Glee Club	4
Mus. 177-178. High School Music	6

SUPERVISORS OF INSTRUMENTAL MUSIC

In addition to the requirements for all students these will take the following:

Course	Credits
Mus. 105-106. Counterpoint	4
Mus. 179-180. Conducting	2
Mus. 45-46. Orchestra	4
Mus. 173-174. Class String Instrument Teaching or	
Mus. 175-176. Class Wind Instrument Teaching	4

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:

Course	Credits
Ag.Ed. 151. Vocational Education	2
Ag.Ed. 152. Beginning Methods	2
Ag.Ed. 153. Advanced Methods	3
Ag.Ed. 155. Observation and Practice Teaching	3-5
Ag.Ed. 158. Auxiliary Problems	2
Ed. 55. Idaho Law, Manual and Civics	2

HOME ECONOMICS

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

Course	Credits
Ed. 55. Idaho Law, Manual and Civics	2
Ed. 59. Principles of Teaching	3
Ed. 113. Secondary Education	3
H.Ec. 152. Methods of Teaching Home Economics	2
H.Ec. 153. Methods in Related Art and Science	2
H.Ec. 157. Observation and Teaching Home Economics	4

The School of Business Administration

RALPH HUNTER FARMER, A.B. ..... *Dean*
ELLEN REIERSON, M.S.(ED.) ..... *Secretary*

THE development of instruction in the field of business is a matter of comparatively recent growth at the University of Idaho. Although 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 became 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 are registered in the University Junior College for their first two years. In these two years they devote approximately two-thirds of their time to general courses, and one-third to certain preliminary courses in business.

FEES AND EXPENSES

For a statement of fees and expenses, see Part I.

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 Part II of the catalog. 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 in Part 11.

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 enroll 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 suggestions given in the Junior College section.

THE FIVE MAJORS

GENERAL BUSINESS.—This major is intended for those students who prefer all-around training in business to specialization in one special field. Because of the importance of finance in all phases of business activity, special emphasis is placed on finance in this major.

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 planned primarily for those students contemplating a career in the merchandising field.

Certain modifications of this major will be arranged for those wishing to prepare for advertising or for foreign trade.

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.

SECRETARIAL SCIENCE.—There are many opportunities for young men and women with a thorough 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. In addition to the specified requirements in the Accounting, Commerce, Extractive Industries, and General Business majors, all students who have not taken Bus. 81-82, Accounting, or its equivalent in the Junior College must take this course in their Junior year. In the Extractive Industries major the term *Technical Electives* refers to courses in Agriculture, Forestry, or Mining.

ACCOUNTING

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 113. Statistics	3	Bus. 124. Financial Administration	3
Bus. 169. Marketing	4	Bus. 182. Advanced Accounting	3
Bus. 181. Advanced Accounting	3	Bus. 186. Cost Accounting	2
Bus. 185. Cost Accounting	2	Econ. 106. Money and Banking	3
Econ. 105. Money and Banking	3	Elective	5
Elective	1		
	16		16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law	3	Bus. 166. Business Law	3
Bus. 183. Auditing	3	Bus. 184. Income Tax Accounting	3
Bus. 187. C. P. A. Problems	2	Bus. 188. C. P. A. Problems	2
Eng. 153. Business Writing	3	Econ. 152. Advanced Economic Theory	3
Elective	5	Bus. or Econ. Elective	3
		Elective	2
	16		16

COMMERCE

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 113. Statistics	3	Bus. 108. Transportation	3
Bus. 141. Foreign Trade	3	Bus. 124. Financial Administration	3
Bus. 169. Marketing	4	Bus. 182. Advanced Accounting	3
Bus. 181. Advanced Accounting	3	or	
or		Bus. 186. Cost Accounting	2
Bus. 185. Cost Accounting	2	Econ. 106. Money and Banking	3
Econ. 105. Money and Banking	3	Elective	5-4
Elective	1-0		
	16		16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 129. Retail Merchandising	3	Bus. 130. Retail Merchandising	3
Bus. 165. Business Law	3	Bus. 166. Business Law	3
Bus. 175. Advertising	3	Bus. 194. Business Conditions	3
Bus. 193. Business Conditions	3	Econ. 152. Advanced Economic Theory	3
Eng. 153. Business Writing	3	Elective	4
Elective	1		
	16		16

EXTRACTIVE INDUSTRIES

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 113. Statistics	3	Bus. 124. Financial Administration	3
Bus. 169. Marketing	4	Econ. 106. Money and Banking	3
Econ. 105. Money and Banking	3	Technical Electives	5
Technical Electives	5	Elective	5
Elective	1		
	16		16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law.	3	Bus. 166. Business Law	3
Bus. 193. Business Conditions	3	Bus. 194. Business Conditions	3
Eng. 153. Business Writing	3	Econ. 152. Advanced Economic Theory	3
Technical Electives	5	Technical Electives	5
Elective	2	Elective	2
	16		16

GENERAL BUSINESS

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 113. Statistics	3	Bus. 124. Financial Administration	3
Bus. 169. Marketing	4	Bus. 182. Advanced Accounting	3
Bus. 181. Advanced Accounting	3	Econ. 106. Money and Banking	3
Econ. 105. Money and Banking	3	Business or Economics Elective	3
Business or Economics Elective	3	Elective	4
	16		16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law	3	Bus. 136. Investments	3
Bus. 193. Business Conditions	3	Bus. 166. Business Law	3
Eng. 153. Business Writing	3	Bus. 194. Business Conditions	3
Business or Economic Elective	3	Econ. 152. Advanced Economic Theory	3
Elective	4	Elective	4
	16		16

SECRETARIAL

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 81. Accounting	3	Bus. 76. Office Practice and Procedure	2
Bus. 169. Marketing	4	Bus. 82. Accounting	3
Econ. 105. Money and Banking	3	Econ. 106. Money and Banking	3
Eng. 153. Business Writing	3	Business or Economics Elective	3
Elective	3	Elective	5
	16		16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 113. Statistics	3	Bus. 124. Financial Administration	3
Bus. 165. Business Law	3	Bus. 162. Office Management	2
Business or Economics Electives	6	Bus. 166. Business Law	3
Elective	4	Econ. 152. Advanced Economic Theory	3
		Elective	5
	16		16

The Graduate School

GRADUATE COUNCIL

CHARLES WILLIAM HUNGERFORD, PH.D., *Professor of Plant Pathology, Dean*
JAMES FRANKLIN MESSENGER, PH.D.....*Dean of the School of Education*
RALPH HUNTER FARMER, A.B.,.....
.....*Dean of the School of Business Administration*
ERNEST EVERETT HUBERT, PH.D.....*Professory of Forestry*
JOHN HUGO JOHNSON, E.E.,.....*Professor of Electrical Engineering*
ARTHUR WILLIAM FAHRENWALD, MET.E.....
..... *Professor of Metallurgy and Ore Dressing*
GEORGE MOREY MILLER, PH.D.,.....*Professor of English*
ELLA LETITIA OLESEN, Registrar.....*Secretary*

THE aim of the Graduate School is to promote in the student initiative and self-direction in study. To this end the School proposes: (a) to provide for a freer and more intimate association with mature scholars; (b) to afford the student opportunity for the independent use of laboratory and library facilities; (c) to guide him in the integration of knowledge from various fields for new ends; (d) to introduce the student into the methods of original investigation.

ORGANIZATION

The graduate work is administered by the Graduate Council which consists of the Dean of the Graduate School and six members appointed by the President from the various academic divisions of the University. The scope of the Graduate School covers graduate study throughout the University. More than 30 departments offer majors toward the master's degree. Many of the departments offer several majors and thus the opportunities for specialization 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 degree. Although it does not at the present offer work leading to the doctor's degree, many students are finding it to their advantage to take work beyond the master's degree. Credits thus secured may be transferred to other graduate schools or used at the University of Idaho at some future date when the doctor's degree is granted.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

For the promotion of graduate study and research the University of Idaho awards a number of fellowships, teaching fellowships, and scholarships.

The holders of these fellowships and scholarships pay no fees except the late registration fee, 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 their 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 Metallury, 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.); Master of Music, M.M.; and Master of Science in Music Education, M.S.(Mus.Ed.).

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.), Agricultural Engineer (A.E.), Engineer of Mines (E.M.), and Metallurgical Engineer (Met.E.)—may be granted to graduates of the College of Engineering, or the School of Mines 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

ADMINISTRATION.—All graduate students whose cases come under the accepted regulations are dealt with directly by the chairman and secretary of the Graduate Council. Exceptional cases or those from which an appeal is taken are referred to the Council for action.

ADMISSION.—A graduate of the University of Idaho or of another institution which has equivalent requirements for the first degree may be admitted to the Graduate School and become a candidate for the master's degree. Certified credentials covering all previous work must be submitted with an application for admission.

REGISTRATION.—A graduate student must have completed his admission 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. Failure to complete registration within this time will involve the payment of the late registration fee.

PARTIAL ENROLLMENT.—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 enrollment if he has satisfied the undergraduate residence requirements, and if he needs not more than six credits to complete his requirements for the baccalaureate degree.

FEES.—No deposit or fee, except the late registration fee, is collected from fellows, graduate assistants, or persons connected with the University teaching staff. Others are required to pay the same fees as undergraduate students except that non-resident tuition is not charged to graduate students from outside the State. Failure to complete registration within three weeks after the beginning of any semester or summer session will involve the payment of the late registration fee of $5.

NATURE AND AMOUNT OF WORK.—A minimum of 24 semester credits is required for the master's degree; of these at least 16 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). However, upon the approval of the major professor and the Graduate Council, students may qualify for the master's degree by 30 semester credits and a professional paper in lieu of the thesis, the requirements being that at least 24 credits shall be earned in residence and at least 20 credits shall be graduate in character (courses numbered above 200). (This provision is primarily intended for majors in Education.)

Not less than 12 credits shall be in the major subject, and either one or two minors shall be taken in related subjects.

MAJOR SUBJECT.—A candidate for an advanced degree may select his major from those subjects only which are allowed as majors for the corresponding bachelor's degree. He must present preparation equivalent both in the major field and in the general requirements to that required for the first degree.

Any change of major or minor must be approved by the major professors concerned and the Dean of the Graduate School. This approval must be filed in the registrar's office.

THESIS.—A graduate student who writes a thesis should decide upon his thesis subject during his first session in residence at the University. A student who expects to qualify for a degree through attendance at summer sessions only should file his thesis title, approved by his major professor, with the Dean of the Graduate School at the close of his first summer term. The 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.

EXAMINATION.—An oral examination is required of each candidate. The examining committee shall be composed of the professor in charge of the major subject, one professor in charge of a minor subject, and a third member selected by the Dean of the Graduate School. This committee examines the candidate on the thesis and on his major and minor fields of study. A recommendation of the committee is necessary for graduation. Any member of the faculty has the privilege of attending the examination and questioning the candidate.

NON-RESIDENT CREDITS NOT ACCEPTED.—Credits from non-resident courses in correspondence or group study shall not be accepted as fulfilling

any of the requirements toward a master's degree, and non-resident study shall in no case reduce the residence requirement.

Students who are admitted to the Graduate School with deficiencies may, with the approval of the Dean, make up such deficiencies by non-resident study (if the required courses are offered in that way) at such times as they are not enrolled for residence work.

GRADES AND GRADING SYSTEM.—Courses numbered above 200 are marked P (passed) or F (failed). Other courses are graded on the undergraduate basis, but no such course may be counted for a degree unless a grade of C or above is recorded.

RESIDENCE REQUIREMENTS.—One year's resident work is required of every candidate.

Special Provisions:

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

(2) 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.

(3) A student may be permitted to fulfill the residence requirement by three summer sessions of not less than six weeks with thesis or four summer sessions with professional paper, 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*. Registration for work *in absentia* must be made by the student at the beginning of each of the two years which he wishes to count under this provision.

(4) Graduate students may present 12 semester hours of graduate credit from recognized graduate schools in lieu of one six-weeks' summer session at the University of Idaho.

(5) 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.

APPLICATION FOR A MASTER'S DEGREE.—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 exact 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 diploma fee of $5 and a fee of $1.50 for binding two copies of the thesis for the library.

University Junior College

ADMINISTRATIVE COUNCIL

THOMAS STONER KERR, LL.B., *Professor of Political Science.....Dean*
EUGENE TAYLOR, M.A., *Professor of Mathematics.....Secretary*
CURTISS WORTH CHENOWETH, M.A.,.....*Professor of Philosophy*
JAY GLOVER ELDRIDGE, PH.D.,.....*Dean of the University Faculty*
RALPH HUNTER FARMER, A.B., *Dean of School of Business Administration*
JOHN ANTON KOSTALEK, PH.D., *Dean of the College of Letters and Science*
JAMES FRANKLIN MESSENGER, PH.D.,...*Dean of the School of Education*

ORGANIZATION

THE University Junior College was organized as a separate division of the University and went into operation at the opening of the first semester, 1929-1930. Its program embraces the work heretofore done during the first two years in the College of Letters and Science and the School of Business Administration. It also fulfills the requirements for admission to the College of Law. Students intending to enter the College of Letters and Science, the School of Business Administration, or the College of Law are registered for their first two years in the Junior College. Arrangements can be made for completion of vocational courses in the Junior College for students who plan to attend the University not more than two years.

AIM

The primary purpose of the Junior College is to afford special facilities and opportunities for advice and consultation for the beginning student and to assist him during his first two years in selecting courses which will fit his individual needs. It aims to bridge the gap between the high school and the University and to learn through close personal contact the particular interest and special fitness of the individual student. It further aims to direct his work so as to include the prerequisites for his Senior College courses and at the same time give him a cultural foundation.

ADMISSION

The general statement of admission requirements is found in Part II.

CURRICULUM

The curriculum of the Junior College is based on the completion of 60 credit hours in addition to the requirements in physical education and military science and tactics. Students completing this curriculum will be given a certificate upon application and payment of fee.

The general framework of the Junior College curriculum includes:

1. ENGLISH—12 credits. English Composition 6 credits.
   English Literature 6 credits.
2. NATURAL SCIENCE—8 to 10 credits.
   The natural science group includes Botany, Chemistry, Geology, Physics, Psychology, Public Health, and Zoology.
3. SOCIAL STUDIES—12 credits
   The Social Studies group includes American History, Contemporary Civilization, Economics, European History, Philosophy, and Political Science.
4. MILITARY SCIENCE AND PHYSICAL EDUCATION—8 credits for men
   6 credits for women.

The Junior College student ordinarily will have 20 or more hours of electives. In selecting courses for these electives he must include the prerequisites set forth by the major department in which he will do his Senior College work.

Students intending to enter the College of Letters and Science are advised to complete in the Junior College, if possible, the language requirements for graduation. Students working towards the Bachelor of Arts or Bachelor of Science degrees must complete in the Junior College one year of foreign language. Pre-Bachelor of Arts students must complete 8 of their 10 required credits in Natural Science except as indicated otherwise under special curricula. The prerequisites for the various major departments of the College of Letters and Science are set forth on pages 42 to 51.

Students who intend to enter the College of Law should consult the statement on pages 64-65 as well as the statement regarding admission to the combined course B.A. and LL.B. on page 48.

The Junior College curriculum is intended to be sufficiently elastic to serve the best interests of the student. Needed adjustmnts will be made in exceptional cases upon the approval of the Dean of the Junior College and the major professor under whom the student will pursue his Senior College work.

A suggested program for the Freshman year follows:

	First Sem.	Second Sem.
English Composition	3 crs.	3 crs.
Social Studies	3 "	3 "
Natural Science	4 "	4 "
Mil. or P.E.	2 "	2 "
Electives	3-4 "	3-4 "
	15-16	15-16

PRE-BUSINESS CURRICULUM

For prerequisites to the School of Business Administration see page 82. The following program is recommended for pre-business students:

FRESHMAN YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Bus. 27. Business Organization	3	
or		
Shorthand	3-4	
Geol. 12. Economic Geography		3
or		
Shorthand		3-4
Eng. 1-2. English Composition	3	3
European History	3	3
Natural Science or Mathematics	4	3-4
Military and Physical Education	2	2
	15-16	14-16

SOPHOMORE YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Bus. 81-82. Principles of Accounting	3	3
or		
Shorthand	3-4	3-4
Econ. 51-52. Principles of Economics	3	3
Eng. 17-18. Introduction to Literature	3	3
History, Political Science, or Philosophy	3	3
Military and Physical Education	2	2
Electives	2	2
	16-17	16-17

Sufficient electives must be taken to make a total of 64 credits in the Junior College.

Students who do not present two years of high school foreign language for entrance to the University should take a year of foreign language in the Junior College. If not taken in the Junior College, this must be taken in the Senior College.

SPECIAL CURRICULA

APPLIED MUSIC

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 are administered by the Junior College and include the following courses:

FRESHMAN YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Eng. 1-2. English Composition	3	3
French or German	4	4
Mus. 1-2. Sight Singing and Ear Training	2	2
Mus. 3-4. Elementary Harmony	2	2
Mus. 21-22, 31-32, 41-42, or 61-62	4	4
P.E. (Women)		
Mil. and P.E. (Men)	2	2
	17	17

SOPHOMORE YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Eng. 17-18. Intro. to Literature	3	3
French or German	4	4
Mus. 5-6. Advanced Harmony	2	2
Mus. 11-12. Sight Singing and Ear Training	2	2
Mus. 13-14. Keyboard Harmony	1	1
Mus. 23-24, 33-34, 43-44, or 63-64	4	4
P.E. (Women)	1	1
Mil and P.E. (Men)	(2)	(2)
	17-18	17-18

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, but will be required to take only 4 credits of Natural Science. (See page 49.)

HOME ECONOMICS

(General)

For the third and fourth years of the General Curriculum in Home Economics leading to the degree of Bachelor of Science in Home Economics see pages 47-48.

FRESHMAN YEAR Course	Credits First Sem.	Credits Sec. Sem.
Eng. 1-2. English Composition.	3	3
H.Ec. 23. Textiles	2	
H.Ec. 24. Elementary Clothing		3*
H.Ec. 11n-12. Art Structure ..	2	2
P.E. 1a-2a. Physical Training.	1	1
Soc. Sci. 1-2. Contemp. Civil .	3	3
Zool. 1. General Zoology or Bot. 1. General Botany	4	
Zool. 6. Physiology		3
Elective	2	2*
	16	16

SOPHOMORE YEAR Course	Credits First Sem.	Credits Sec. Sem.
Eng. 17-18. Intro. to Literature	3	3
Chem. 1-2. General Chemistry.	4	4
H.Ec. 65. Costume Design ...	2	
H.Ec. 4. Experimental Cookery		3
P.E. 3-4. Physical Training ...	1	1
H.Ec. 35. Home Nursing	2	
H.Ec. 82. House Construction.		2
Elective†	2	3
	16	16

HOME ECONOMICS
(Food and Nutrition)

For the third and fourth years of the Food and Nutrition Curriculum leading to the degree of Bachelor of Science in Home Economics see page 47.

FRESHMAN YEAR Course	Credits First Sem.	Credits Sec. Sem.
Eng. 1-2. English Composition.	3	3
H.Ec. 11n-12. Art Structure .	2	2
H.Ec. 23. Textiles	2	
H.Ec. 24. Elementary Clothing		3*
P.E. 1a-2a. Physical Training.	1	1
Soc. Sci. 1-2. Contemp. Civil..	3	3
Chem. 1-2. General Chemistry.	4	4
	15	16

SOPHOMORE YEAR Course	Credits First Sem.	Credits Sec. Sem.
Eng. 17-18. Intro. to Literature	3	3
Chem. 51. Qualitative and Gravimetric Analysis	4	
Chem. 52. Quantitative Analysis		4
P.E. 3-4. Physical Education .	1	1
Zool. 1. General Zoology ..... or Bot. 1. General Botany	4	
Zool. 6. Physiology		3
H.Ec. 35. Home Nursing	2	
H.Ec. 4. Experimental Cookery		3
Elective†	3	3
	17	17

PRE-MEDICAL CURRICULUM

This special curriculum is intended to cover the *minimum* entrance requirements of the Association of American Medical Colleges, but it should be remembered that more and more the medical schools are selecting their students from those who have had three and even four years of pre-medical preparation. For the work of the third and fourth years leading the degree of Bachelor of Science in Pre-Medical studies, see page 50.

FRESHMAN YEAR Course	Credits First Sem.	Credits Sec. Sem.
Eng. 1-2. English Composition.	3	3
Chem. 1-2. General Chemistry.	4	4
Zool. 1-2. General Zoology ...	4	4
German or French	4	4
Mil. and P.E. (Men)	2	2
P.E. (Women)	(1)	(1)
	16-17	16-17

SOPHOMORE YEAR Course	Credits First Sem.	Credits Sec. Sem.
Math. 1. Freshman Math.	4	
Chem. 51-52. Qual. and Quant. Analysis	4	4
Phys. 3-4. College Physics	4	4
Zool. 4. Comparative Anatomy		4
Sci. German or French	3	3
Mil. and P.E. (Men)	2	2
P.E. (Women)	(1)	(1)
	17-18	17-18

*Students who pass a proficiency test in elementary clothing will be excused from one laboratory period per week and take H.Ec. 24 for only 2 credits. They will take an additional elective credit.

†Physics should be taken in the Sophomore year if not presented for admission.

PRE-NURSING CURRICULUM

For the third and fourth years leading to the degree of Bachelor of Science in Pre-Nursing studies, see page 50.

FRESHMAN YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Eng. 1-2. English Composition.	3	3
Chem. 1-2. General Chemistry .	4	4
Zool. 1-2. General Zoology ...	4	4
German or French	4	4
P.E.	1	1
	16	16

SOPHOMORE YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Math. 1. Freshman Math.	4	
Zool. 4. Comparative Anatomy		4
Chem. 51-52. Qual. and Quant. Analysis	4	4
Bact. 51. General Bact.	4	
Sci. German or French	3	3
P.E.	1	1
Electives		4
	16	16

SECRETARIAL TRAINING

This curriculum is a completion or vocational course designed for students who may attend the University for not more than two years and who wish to leave with some preparation for immediate employment. The course does not admit directly to any of the Senior College curricula. Students may, however, make up the deficiencies either for the regular Junior College certificate, or for admission to Senior College curricula.

FRESHMAN YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Eng. 1-2. English Composition.	3	3
Soc. Sci. 1-2. Contemp. Civil..	3	3
Science	4	4
Bus. 15n-16. Shorthand	3-4	3-4
P.E. 1a-2b. Elementary Gym..	1	1
P.E. 1b-2b. Personal Hygiene.	1	1
Elective	1-2	1-2
	17	17

SOPHOMORE YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Bus. 71-72. Intermed. Dictation	3-4	3-4
Eng. 127. Technical Writing .	3	
Bus. 76. Office Practice and Procedure		2
Bus. 81-82. Accounting	3	3
Econ. 51-52. Principles of Econ.	3	3
Eng. 17-18. Intro. to Literature	3	3
P.E. 3-4. Advanced Gymnastics	1	1
Elective		0-1
	16-17	16-17

The Southern Branch

JOHN RUSKIN DYER, M.A.....*Executive Dean*
ERNEST J. BALDWIN, Ph.D.....
.....*Acting Director of the Division of Letters and Science*
ACHILLES CALLOWAY GOUGH, E.E., *Director of the Division of Engineering*
EUGENE O. LEONARD, M.S.....*Director of the School of Pharmacy*

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 through 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. In 1930 the School of Pharmacy inaugurated a four-year curriculum and began to award the degree of Bachelor of Science in Pharmacy.

GRADUATION AND ADMISSION TO SENIOR COLLEGES

Graduation from the Southern Branch of the University of Idaho is based upon the satisfactory completion of one of the curricula outlined in the Southern Branch catalog. In order to be eligible for graduation a student must make an average grade of "C" and must present grades of "C" or above in three-fourths of the credits required in his curriculum and earned in residence. Graduates from the two-year curricula in the divisions of Letters and Science and Engineering receive the diploma of graduation which admits them to Junior standing in corresponding curricula in the University of Idaho. Graduates of the two-year curricula in Letters and Science are eligible for admission to the College of Law of the University of Idaho.

Students who 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 the Division of Letters and Science are offered the first two years of work leading in the Senior College to the degree 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 Music 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.

COLLEGE OF PHARMACY

The College of Pharmacy offers a four-year curriculum leading to the degree of Bachelor of Science in Pharmacy. This curriculum complies with the recommendation of the American Association of Colleges of Pharmacy.

PHARMACY CURRICULUM

JUNIOR COLLEGE

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
Bot. 9. Gen. Phar. Botany	4	Zool 1. General Zoology	4
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Soc. Sci., History, Pol. Sci., Econ. or Phil.	3	Soc. Sci., History, Pol. Sci., Econ. or Phil.	3
Phar. 1. History of Pharmacy	1	Phar. 2. History of Pharmacy ...	1
P.E. 25a. Phys. Education	1	P.E. 26a. Physical Education	1
	16		16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 101. Organic Chemistry	5	Chem. 102. Organic Chemistry	3
Bact. 51. General Bacteriology ..	4	Bact. 104. Path. Bacteria	4
P.E. 27. Physical Education	1	Chem. 62. Volumetric Analysis ...	3
Electives*	7	P.E. 28. Physical Education	1
		Electives*	7
	17		17

*Suggested Electives—Psychology, Economics, Physics, Foreign Languages, Modern Literature, Business.

SENIOR COLLEGE

JUNIOR YEAR

FIRST SEMESTER

Course	Credits
Phar. 101. Practical Phar.	5
Phar. 103. Phar. Latin	2
Phar. 105. Drug Assaying	3
Phar. 117. Insec. & Paras.	3
Pharmacog. 131, Pharmacognosy	4
	17

SECOND SEMESTER

Course	Credits
Zool. 6. Physiology	3
Phar. 102. Operative Phar.	5
Phar. 106. Drug Assaying	2
Phar. 112. Public Health	3
Pharmacog. 132, Pharmacognosy	4
	17

SENIOR YEAR

FIRST SEMESTER

Course	Credits
Phar. 104. Commercial Phar.	3
Phar. 107. Prescriptions	3
Phar. 123. Advanced Phar.	3
Pharmacol. 161, Pharmacology	4
Pharmacol. 163, Biologicals	3
	16

SECOND SEMESTER

Course	Credits
Phar. 108. Prescriptions	3
Phar. 114. Phar. Calculations	3
Phar. 116. Seminar	2
Phar. 124. Advanced Phar.	3
Pharmacol. 162. Pharmacology	2
Pharmacol. 164, Toxicology	4
	17

SUBSTITUTIONS:

Zool. 4 (Comparative Anatomy), Biochemistry, or other approved Natural Science may be substituted for Bact. 104 (Pathogenic Bacteria) *or* Phar. 112 (Public Health).

Students presenting Chem. 51 (Inorganic and Analytical Chemistry) and Chem. 52 (Inorganic and Analytical Chemistry) or the equivalent may be excused from Phar. 105 (Drug Assaying) and Chem. 62 (Volumetric Analysis) or vice versa.

These substitutions can be made only by permission of the scholarship committee upon recommendation of the Pharmacy Department.

DIVISION OF COMPLETION COURSES

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 Secretarial Work and Accounting. There is a one-year curriculum in Auto-Mechanics. For outlines and descriptions of these courses, see the Southern Branch catalog.

Part IV

The Experiment Stations
University Extension
Non-Resident Instruction
The Summer School

The Agricultural Experiment Station

EDWARD JOHN IDDINGS, M.S. ..... *Director*
AGNES KERR HITE ..... *Secretary of the Staff*
CHARLES WILLIAM HUNGERFORD, PH.D. .....
..... *Vice Director and Chairman of the Project Committee*
CLIFFORD ELMER LAMPMAN, B.S.A. .....
..... *Chairman of the Publications 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 experments 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 fields of Agricultural Economics and Home Economics. These federal funds are supplemented by state appropriations for the investigation of special problems and for the maintenance of Substation 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, $180,000; State appropriation $73,000; together with the income from the several stations, amounting to approximately $14,400.

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 13 viz: Agricultural Economics, Agricultural Engineering, Agronomy,

Animal Husbandry, Bacteriology, Agricultural Chemistry, Dairy Husbandry, Entomology, 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 diseases of animals; 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 intrusted 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.

Laboratories and Other Facilities.—The Departments of Bacteriology, Agricultural Chemistry, Agronomy, Animal Husbandry, Horticulture, Plant Pathology, Soil Technology, Veterinary Science, Entomology, Dairy Husbandry, and Dairy Manufacture have well equipped research laboratories in Science Hall, Morill Hall, and the Dairy Building. An entomological field laboratory is maintained at Parma. Agricultural engineering laboratories are located in the engineering shops. 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, Chmistry, 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 Substation 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 Substation 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 Substation at Felt is established for the conduct of experiments in the growing of grains, grasses, and potatoes, 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 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, through its Bureau of Plant Industry, is cooperating.

PUBLICATIONS.—The practical results of investigations are freely used in the classrooms of the College of Agriculture, 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 196 bulletins, 68 circulars, 10 research bulletins, and 80 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 CHARLES CRAWFORD, C.E.....*Director*

ALTHOUGH 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 year following, 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.

Idaho Bureau of Mines and Geology

JOHN WELLINGTON FINCH, B.A., M.A., Sc.D..... *Director*

THE laws establishing the Idaho Bureau of Mines and Geology specify that its office shall be at the University of Idaho, and that the Dean of the School of Mines is Ex-officio Director. Cooperative relations are maintained with the United States Bureau of Mines and with the United States Geological Survey. The State and Federal bureaus employ metallurgical and geological staffs engaged in the effort to benefit the mining industry of the State. School of Mines faculty members contribute useful field and research work.

Agricultural and Home Economics Extension

EDWARD JOHN IDDINGS, M.S.....*Director*

FOR many years the College of Agriculture of the University has rendered service to the farmers of the State through farmers' institutes, judging at fairs, answering of letters of inquiry upon topics of interest to the farmer, and through 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 within the last few years has contributed in a large measure to the development of an efficient and high quality agriculture.

General administration of extension work in Idaho is in charge of the Director of Extension. The offices of the Director and of the State Leaders of County Agents, 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 25. General supervision of the county agents is under 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, showing an enrollment of more than 5,000 boys and girls in 1932. Field specialists carry on carefully outlined projects of work, largely through the county agents, in Horticulture, Entomology, Animal Husbandry, Dairying, Agronomy, improvement of soils, Poultry Husbandry, farm management, pure seed production, Forestry, Agricultural Economics and Marketing.

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 im-

provement. Through 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 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.

All non-resident courses are prefixed with the letter "C" (e.g., Eng. C14).

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: 16 assignments for a two-credit course and 24 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 8x11 inch paper. Carriage charges must be fully prepaid. The use of reasonably thin paper is recommended to reduce these charges. All lessons are read, graded, corrected, and returned.

ENROLLMENT.—1. Persons not in residence may enroll 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 12 months, but will be permitted to re-enroll with the payment of $1.00 re-registration fee, the course to be completed by the close of the ensuing year.

CREDITS.—4 A total of 32 credits, or one year of undergraduate 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, he may safely carry three or four courses at one time.

EXAMINATIONS.—To receive credit the student must take a written examination on the completion of each course. Other examinations may be required from time to time at the instructor's discretion. In supervising these examinations the University is glad to acknowledge the friendly cooperation of alumni, school officials, and other friends.

REGULATIONS

1. The University offers no non-resident courses leading to the county third grade certificate.

2. 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.

3. *Students should return each assignment as completed, never sending in more than three at one time. Students violate this at their own risk.* Instructors cannot do justice to students in the field if a large number of assignments are sent in at one time and often failure in the course is a result.

4. *Non-resident students who intend to use credits made in such courses for graduation or certification must have courses completed, including the final examination, three weeks before June first.*

5. Worthy requests for courses not given in the Non-Resident Bulletin may occasionally be granted.

FEES

Fees for correspondence work are $4.00 per credit. For example, a two-credit course will be $8.00 and a three-credit course $12.00. *Fees will not be refunded.*

STUDY GROUPS

Members of the University faculty are glad to cooperate in organizing study groups where several 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. Fees for individual members of study groups shall be the same as those charged for individual registrations, that is $4.00 per credit. 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.

NON-RESIDENT COURSES

Courses primarily for undergraduates are numbered between 1 and 99 and courses for advanced undergraduates between 100 and 199. Only those courses numbered above 50 may be taken for credit in the Senior Colleges (except that elementary courses in mathematics and foreign languages may be so credited).

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.

AGRICULTURE

Course		Credits
	Agricultural Engineering	
C161.	Irriation Practice	2 or 3
	Agronomy	
C1.	General Crop Production	3
	Animal Husbandry	
C106.	Animal Nutrition	3
C141.	Livestock Production	4
	Dairy Husbandry	
C3.	Milk Production	2
	Horticulture	
C2.	Elements of Horticulture	2
	Plant Pathology	
C2.	Nature and Control of Plant Diseases	2
C105.	Potato Diseases and Their Control	1
	Poultry Husbandry	
C2.	Practical Poultry Production	3

ART

C1.	Freehand Drawing	2
C2.	Freehand Drawing	2
C3.	Principles of Design	2
C4.	Principles of Design	2
C101.	Water-Color Painting	2
C102.	Water-Color Painting	2
C121.	Alphabets	2 or 3
C122.	Advertising Layout	2

BACTERIOLOGY

C10.	Public Health	2

BOTANY

C1.	General Botany	3
C54.	Systematic Botany	3
C109.	The Teaching of Botany	2

BUSINESS ADMINISTRATION

C81.	Elementary Accounting	3
C82.	Elementary Accounting	3
C165.	Business Law	3
C166.	Business Law	3
C169.	Marketing	4
C184.	Income Tax Accounting	3
C185.	Cost Accounting	2
C186.	Cost Accounting	2
C191.	Methods of Commercial Teaching	3

THE CLASSICS IN ENGLISH

C53.	Scientific Terminology	2
C54.	Scientific Terminology	2
C57.	Classical Literature in English	2
C58.	Classical Literature in English	2

ECONOMICS

C51.	Principles of Economics	3
C52.	Principles of Economics	3
C105.	Money and Banking	3
C106.	Money and Banking	3
C115.	Agricultural Economics	3
C118.	Co-operative Marketing	3
C120.	Marketing of Farm Products.	3

EDUCATION

C1	Introduction to Education	2
C2.	School-Room Management	2
C55.	Idaho Law Manual and Civics	2
C59.	Principles of Teaching	3
C105.	History of Education	3
C106.	History of Education	3
C111.	The Junior High School	3
C113.	Secondary Education	3
C114.	High-School Methods	3
C115.	Educational Guidance	3
C123.	Educational Tests and Measurements	3
C141.	Character Education	3
C211.	Curriculum Construction	3

ENGINEERING

	Civil Engineering	
C1.	Engineering Drawing	3
C2.	Descriptive Geometry	3
C6.	Mechanics (Statics)	2
C8.	Plane Curves	1
C103.	Mechanics of Materials	3
C105.	Highways and Streets	2
C106.	Reinforced Concrete Theory.	2
	Electrical Engineering	
C20.	Elements of Radio-Telegraphy	2
C131.	Direct Current Machinery and Distribution	3
C133.	Direct Current Machinery	3
C134.	Alternating Current Machinery	3
	Mechanical Engineering	
C5.	Machine Drawing	2
C13.	Mechanism	3

ENGLISH

C17.	Introduction to Literature	3
C18.	Introduction to Literature	3
C119.	American Literature	3
C120.	American Literature	3
C153.	Business Writing	3

FRENCH

C1n.	Elementary French	4
C2.	Elementary French	4
C13.	Intermediate French	4
C14.	Intermediate French	4
C15.	Scientific French	3
C16.	Scientific French	3
C121.	Survey of French Literature	3
C122.	Survey of French Literature	3
C135.	Nineteenth Century French Literature	3
C136.	Nineteenth Century French Literature	3
C141.	Drama of the Seventeenth Century	3
C142.	Drama of the Seventeenth Century	3
C145.	Contemporary French Literature	3
C146.	Contemporary French Literature	3
C145a.	Contemporary French Literature	3
C146b.	Contemporary French Literature	3

GEOLOGY

C1.	Introductory Geology	4
C2.	Historical and Physical Geology	4
C11.	General Geography	3
C12.	Economic Geography	3

GERMAN

C1n.	Elementary German	4
C2.	Elementary German	4

Course		Credits
C13.	Intermediate German	4
C14.	Intermediate German	4
C15.	Scientific German	3
C16.	Scientific German	3
C115.	Advanced Scientific German	1 or 2
C116.	Advanced Scientific German	1 or 2
C141.	Schiller	3
C142.	Schiller	3
	GREEK	
C1n.	Elementary Greek	4
C2.	Elementary Greek	4
	HISTORY	
C5.	Nineteenth Century	3
C6.	Nineteenth Century	3
C13.	Classical Civilization	3
C14.	Classical Civilization	3
C107.	English History	3
C108.	English History	3
C109.	History of the United States, 1492-1763	3
C110.	History of the United States, 1763-1789	3
C111.	History of the United States, 1789-1830.	3
C112.	History of the United States, 1830-1865	3
	HOME ECONOMICS	
C131.	House Management and Sanitation	2
C135.	Child Development	2
C136.	The Family	2
	LATIN	
C1n.	Elementary Latin	4
C2.	Elementary Latin	4
C3.	Intermediate Latin	4
C4.	Intermediate Latin	4
C53.	Advanced Latin	3
C54.	Advanced Latin	3
C107.	Teachers' Review of Latin	3
C108.	Teachers' Review of Latin	3
C124.	Teacrers' Course	2
	MATHEMATICS	
C1.	Freshman Mathematics	4
C2.	Freshman Mathematics	4
C11.	Freshman Mathematics	5
C12.	Freshman Mathematics	5

Course		Credits
C51.	Calculus	4
C52.	Calculus	4
	PHILOSOPHY	
C51.	History of Ancient Philosophy	3
C52.	History of Modern Philosophy	3
C101.	Ethics	3
C102.	Ethics (Advanced)	3
C108.	Plato's Ethics	3
C110.	Philosophy of Science	3
	POLITICAL SCIENCE	
C51.	American Government	3
C52.	American Government	3
C123.	State Government in the United States	3
C124.	City and County Government	3
C125.	Comparative Government	3
C137.	International Relations	3
	PSYCHOLOGY	
C1.	General Psychology	4
C2.	Educational Psychology	3
C4.	Applied Psychology	4
C54.	Psychology of Advertising and Selling	3
C57.	Psychology of the Exceptional Individual	3
C106.	Child Psychology	3
C117.	Psychological Methods	4
	SOCIOLOGY	
C141.	Principles of Sociology	3
C142.	Principles of Sociology	3
C145.	Rural Sociology	3
	SPANISH	
C1n.	Elementary Spanish	4
C2.	Elementary Spanish	4
C13.	Intermediate Spanish	4
C14.	Intermediate Spanish	4
C111.	Advanced Composition	2
C112.	Advanced Composition	2
C121.	Survey of Spanish Literature	3
C122.	Survey of Spanish Literature	3
C141.	The Golden Age	3
C142.	The Golden Age	3
	ZOOLOGY	
C58.	Heredity and Eugenics	2
C60.	Social Hygiene	2
C107.	Organic Evolution	3

The Summer School

Six-Weeks Term, June 13 to July 21, 1933

THOMAS STONER KERR, L.L.B.....*Director*

ADMISSION.—The courses of the Summer School are open on the same terms as those of the regular session, as described in Part II. As far as possible, all credentials for prospective students should be mailed in advance to the Registrar. 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.

UNDERGRADUATE WORK.—Undergraduate courses leading to the bachelor's degree are given just as they are during the winter session.

GRADUATE WORK.—The number of graduate students in the Summer Session is increasing rapidly. A large part of the work in summer is planned for teachers who are candidates for the master's degree. It is possible to secure that degree in three Summer Sessions and outside work during the intervening two years.

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

COURSES OFFERED IN 1932 SUMMER SCHOOL

	Credits
AGRICULTURAL CHEMISTRY	
S201. Research	1
AGRICULTURAL EDUCATION	
S257. Problems in Teaching Vocational Agriculture	3
AGRICULTURAL ENGINEERING	
S204. Research	1
AGRONOMY	
S107. Advanced Grain Grading	1
S115. Research	2
BACTERIOLOGY	
S116. Special Problems	2
S211. Research	6
BOTANY	
S3. Principles of Botany	4
S54. Systematic Botany	2
S102. Physiology	4
S124. Thesis	2
S207. Advanced Taxonomy	2
S232. Research	2
CHEMISTRY	
S107. Teaching of Chemistry	2
ECONOMICS	
S52. Principles of Economics	2
S105. Money and Banking	2
EDUCATION	
S2. School Management	2
S15. Elementary Education	2
S16. Art Education	2
S105. History of Education	2
S113. Secondary Education	2
S114. High School methods	2
S121. Rural Supervision	2
S203. Educational Measurements	2
S204. School Administration	2
S205a. School Finance	2
S207. Supervision of Instruction	2
S210. Philosophy of Education	2
S211. Curriculum Construction	2
S212. Curriculum Construction	2
S215. Educational Guidance	2
S241. Character Education	2
S260. Scientific Methods in Education	2
S261. Research	2-4
ENGLISH	
S10. Special Writing	2
S17. Introduction to Literature	2
S33. Reading and Interpretation	2
S72. Play Production	2
S117. Victorian Prose and Poetry.	2
S142. Shakespeare	2
S201. Folk Literature	2
S203a. The Elizabethan Lyric	2
S205. Thesis Writing	2
S209. Foreign Backgrounds.	2
S211. Research	2
GEOLOGY AND GEOGRAPHY	
S1. Introduction to Geology	4
S11. General Geography	2
S116. Geology and Geography of Idaho	2
S225. Research	

	Credits
HISTORY	
S122. America, a World Power	2
S125. Teachers' Course in American History	2
S210. Great Americans	2
S225. Research in American History	4
HOME ECONOMICS	
S1. Cooking and Serving	2
S133. Practice Cottage	2
MATHEMATICS	
S1. Freshman Mathematics	4
S2. Freshman Mathematics	4
S12. Freshman Mathematics	5
S51. Calculus	4
S52. Calculus	4
S121. Advanced Calculus	3
S142. Teachers' Course	2
MUSIC	
S1. Sight Singing and Ear Training	2
S3. Harmony	2
S4. Harmony	2
S95. Wind Instruments	½-1
S111. Instrumentation	2
S161. Creative Music Methods	2
S171. Elementary School Music	2
S173. Class String Instrument Teaching	1
S175. Class Wind Inst. Teaching	1
S179. Conducting	1
S203. Advanced Music Methods	2
Chorus	1
Orchestra	1
Piano	½-1
Violin	½-1
Voice	½-1
PHILOSOPHY	
S52. History of Modern Philosophy	2
S110. Philosophy of Science	2
S203. Philosophy Seminar	2
S211. Research.	
POLITICAL SCIENCE	
S52. American Government	2
S123. State Government	2
S137. International Relations	2
S205 Research.	
PSYCHOLOGY	
S2. Educational Psychology	2
S57. Psychology of the Exceptional Individual	2
S151. Psychology of High School Subjects	2
S208. Psychology in Ethics	2
S211. Abnormal Psychology	2
S215 Research.	
SOCIOLOGY	
S142. Principles of Sociology	2
ZOOLOGY	
S68. Ornithology	2
S102. Teaching of Biology	2
S108. Evolution and Genetics	2

PART V

Departments of Instruction

DEPARTMENTS OF INSTRUCTION

NOTE.—Courses with odd numbers are given in the first semester; those with even numbers, in the second semester; courses numbered 1-2, 3-4, etc., continue through 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. Only those courses numbered above 50 may be taken for credit in the Senior Colleges (except that elementary courses in mathematics, foreign languages, and applied and organized music may be so credited).

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

Associate Professors MAGNUSON and SNYDER

Courses 1, 2, and 53 in General Chemistry are prerequisite. Students desiring to specialize in professional agriculture are urged to take the more complete courses—1, 2, 51, 52; 101-102 and 111-112 in General Chemistry. Agr. Chem. 106 should be taken during the second semester of the Junior year, while Agr. Chem. 112 is open to Seniors.

Primarily for Undergraduates

2 General Agricultural Chemistry 2 credits — Second semester

Lectures and laboratory work 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 soils. Two lectures and two three-hour laboratory periods a week. (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. Prerequisite: Agr. Chem. 2 (SNYDER)

112 Soil Chemistry 2 or 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)

152 Advanced Agricultural Chemistry 4 or 5 credits — Second semester

An advanced course for students majoring in Agricultural Chemistry. Two lectures and two or three laboratory periods a week. Prerequisite: Chem. 1, 2, 51, 52, 101 and 102. (SNYDER)

153 Pro-Seminar or Thesis 2 or 3 credits — Either semester

(SNYDER)

Primarily for Graduates

201-202 Research Credits to be arranged — Each semester

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

Agricultural Economics

(See under *Economics*)

AGRICULTURAL EDUCATION

Professor LATTIG, MR. BRIGHAM

For Advanced Undergraduates and Graduates

150 Extension Methods in Agriculaure 2 credits Second semester

Methods used in the field by county agents, college faculty, extention 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 2 credits Second semester

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

153 Advanced Methods 3 credits First semester

For Seniors. A continuation of Agr. Ed. 152. Required in Agricultural Education Curriculum. (LATTIG)

155-156 Observation and Practice Teaching 1 to 5 credits Either semester

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

158 Auxiliary Problems 2 credits Second semester

A study of such problems as project accounting, evening and part-time classes, supervision of the Future Farmer Organization, and community work not covered in Agr. Ed. 153. Required in Agricultural Education Curriculum. Prerequisite: Ag.Ed. 153. (LATTIG)

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 agriculture, 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 KULP, Mr. MILLER, Mr. HUMPHREY.

Primarily for Undergraduates

Plane Surveying 3 credits First semester

See Civil Engineering 3a.

4 Agriculaural 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)

5 Concrete 1 credit First semester

Practical problems in the use of concrete on the farm and ranch. Methods of insulation and water proofing; foundations; floor and wall construction. Reinforced concrete structures and equipment such as fence posts, water troughs, silos, etc. Material estimates, batch proportions for various strengths and curing. One three-hour laboratory period a week. (MILLER)

For Advanced Undergraduates and Graduates

101 Graphic Presentation 1 credit First semester

Practice in lettering, graphic presentation of data, preparation of charts and tables for scale reduction, drawing to scale and dimensioning. On three-hour laboratory period a week. (MILLER)

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. Prerequisite: A.E. 4. (MILLER)

105-106 Pro-Seminar 1 credit Each semester

(BERESFORD, KULP)

108 Farm Buildings 3 credits Second semester

Problems in the design of buildings in the student's major field. Relation of building arrangement to chore labor. Floor planning, lighting, insulation and ventilation of farm buildings. Material estimates, methods for construction and cost computation. One recitation and two three-hour laboratory periods a week. Prerequisite. A.E. 4. (MILLER)

112 Farm Water Supply and 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. (KULP)

131 Gas Engines 2 credits First semester

Theory of internal combustion engines including the latest developments in the diesel and semi-diesel applications to agriculture power. Fuels, lubrications, and repair operations required for successful engine maintenance. One recitation and one three-hour laboratory period a week. Prerequisite: A.E. 4. (BERESFORD, HUMPHREY)

132 Farm Machinery 2 credits Second semester

The selection and management of farm machinery and equipment. Students will be grouped in laboratory sections for problems in the operation, care and adjustment of machines used in their major field. One recitation and one three-hour laboratory period a week. Prerequisite: A.E. 4. (MILLER)

133 Tractors and Trucks 2 or 3 credits Each 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. (BERESFORD, HUMPHREY)

136 Machine Methods in Agriculture 3 credits Second semester

The principles of mass production applied to the problems of agriculture. Prerequisite: A.E. 4. (BERESFORD)

137 Gas Welding 2 credits First semester

The use of the oxy-acetylene torch for the repair, maintenance, and construction of farm machinery and equipment. Two three-hour laboratory periods a week. Prerequisite: A.E. 4. (HUMPHREY)

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. Prerequisite: A.E. 103. (MILLER)

139 Rural Electrification 3 credits Second 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. Prerequisite: A.E.4. (BERESFORD)

141 Dairy Engineering 3 credits First semester

Engineering in dairy manufacturing plants; theories and practical application involved in the properties of gases and liquids, fluid flow, heat transfer; steam generating equipment and management; refrigeration and power transmission; electric heat and power; pressure, temperature and time regulators; and dairy plant ventilation and sanitation. Two lectures and one three-hour laboratory period a week. (MILLER)

161 Irrigation Practice 2 or 3 credits First 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. Two lectures and one three-hour laboratory period a week. May be taken without the laboratory. Prerequisite: Agron. 151. (KULP)

164 Irrigation Systems 2 credits Second 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. Two lectures a week. Prerequisite: A.E. 161. (KULP)

181-182 Agricultural Engineering Thesis 1 credit Each semester

(BERESFORD, KULP)

Primarily for Graduates

201-202 Seminar 1 credit Each semester

(BERESFORD, KULP)

203-204 Research Credits to be arranged Each semester

Special problems in farm power and machinery, rural structures, and land reclamation. (BERESFORD, KULP)

AGRONOMY

Professor HULBERT, Assistant Professors MICHELS and BELL.
Mr. YOUNGSTROM

Primarily for Undergraduates

1 General Crop Production 4 credits First semester

An introductory course dealing largely with the principal factors underlying crop production. Discussions and recitations, upon the classification, distribution, improvement, cultural practices, harvesting, and marketing of grain and forage crops. Laboratory time is devoted to a study of the botanical characteristics and identification of crop plants and seeds. 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
Recitations and assigned readings on grain, forage, and small-seed production. 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 genetics. Methods of conducting agronomic experiments, care and management of plots, and interpretation of data. Three lectures and one three-hour laboratory period a week. (MICHELS)

104 Commercial Grading and Marketing 2 credits Second semester
The commercial grading and marketing of small grains 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
Botanical classification, varietal studies, and the judging of small grains, 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 Second semester
Recitations cover weed dissemination, habits of growth, and control measures; legislative measures for sale of seed; weed control. Laboratory analysis of seed for purity and germination; identification of weed plants and 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. (YOUNGSTROM)

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
Problems 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, BELL)

151 General Soils 4 credits First semester
An elementary course dealing with the formation of soils, their physical properties, and adaptation to agricultural uses. Three lectures

and one three-hour laboratory period a week. Prerequisite: Agron. 1. Junior standing. (BELL)

152 Soil Physics 3 credits Second semester

An advanced course covering the mechanics of soil moisture, temperature, tilth, etc. The most important physical properties serving as an index to the texture and moisture-holding capacity will be studied. Senior year. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 151. (BELL)

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. (BELL)

156 Soil Management 2 credits Second semester

A consideration of the plant-food content and the fertility of different soil types; principles underlying the management of soils in the humid, arid, and semi-arid regions, and the utilization of fertilizers and manures. Senior year. Two lectures a week. Prerequisite: Agron. 151. (BELL)

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, BELL)

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)

218 Advanced Genetics 3 to 5 credits Second semester

A study of methods of genetic testing and analysis. Particular attention given to formation of hypotheses explaining genetic phenomena. A critical study made of a number of the best examples of genetical analysis to be found in the periodical literature. Laboratory analysis of experimental data on cereals, corn, and "unknown" stock of Drosophila. Prerequisite: Agron. 101, or An.Hus. 112. (MICHELS)

AMERICAN HISTORY

Professor BROSNAN

Primarily for Undergraduates

21-22 History of the Americas 3 credits Each semester

A general survey course covering history of nations of North America, Central America, and South America. Leading topics studied: planting of colonies in New World with special emphasis on founding of thirteen British colonies in North America; rise and fall of New France; Latin-American independence; republics of South America, Central America, and the Caribbean; Pan-Americanism; Panama canal; and international relations of Latin America. (BROSNAN)

For Advanced Undergraduates and Graduates

111 Growth of the United States, 1789-1865 3 credits First semester

Study of the nation's history from establishment of government under Constitution to Reconstruction. Leading topics: Federalists;

Thomas Jefferson; War of 1812-15; Rise of Nationalism; Slavery; Secession; and Civil War. Prerequisites: Hist. 1-2, 13-14, or 21-22. (BROSNAN)

112 Sectionalism and Civil War 3 credits Second semester

Intensive study of period of 1830 to 1865. Jacksonian Democracy; slavery in territories; growth of anti-slavery sentiment; gradual separation of sections; secessions; the Civil War, 1861-1865. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (Not given in 1933-1934.) (BROSNAN)

115 Beginnings of American Diplomacy 3 credits First semester

Study of history of foreign relations of United States from Independence to Civil War. Diplomacy of the American Revolution; the Confederation; establishment of Department of State under Constitution; diplomacy of Jefferson; War of 1812-1815; Monroe Doctrine; and diplomacy of Expansion. Prerequisites: Hist. 1-2, 13-14, or 21-22. (BROSNAN)

116 American Diplomacy Since Civil War 3 credits Second semester

Diplomacy of Civil War; foreign affairs during Reconstruction; Pan-Americanism; Spanish American War; World War; Caribbean problems; League of Nations; present day problems. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (BROSNAN)

121 The Reconstruction Period 3 credits First semester

A detailed survey of American history since the Civil War. Reconstruction and adjustment; recuperation and development; Granger and Greenback movements; Cleveland era; populism; free silver; and revolt of the West. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (Not given in 1933-34.) (BROSNAN)

122 America, a World Power, 1865-1933 3 credits Second semester

American History from close of Civil War to present time. Significant topics: Reconstruction: political, social, and economic; rise of giant industries; Cleveland era; Spanish American War; Theodore Roosevelt; World War; post-war problems. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (BROSNAN)

123 The Pacific Northwest 2 credits First semester

International contest for Northwest Coast; discovery of the Columbia River; Lewis and Clark; British and American fur trade; missionaries; migrations over Oregon Trail; Oregon boundary; placer gold era; from mining camps to towns and cities; emergence of territories and states. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (BROSNAN)

124 Idaho and the Inland Empire 2 credits Second semester

Idaho fur trade in relation to British and American operations; missionaries; Oregon Trail; earliest surveys; placer gold; territorial organization; Indian Wars; coming of railroads; progress in mining; forestry, and agriculture; irrigation; since World War. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (BROSNAN)

127 American Frontier 3 credits First semester

History of westward-moving pioneers across continent and their occupation of the seven major frontiers. Significant topics: Atlantic tidewater frontier; crossing Appalachian barrier; Daniel Boone's wilderness road; Old Northwest; Down the Ohio; Louisiana; Aaron Burr; Oregon and Santa Fe Trails; Texas and Oregon; The Mormons; "Forty-Niners"; Union Pacific Railway; mining camps; and passing of the Last Frontier. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (BROSNAN)

128 Teachers' Course in American History 2 credits Second semester
Place of American History in secondary school curriculum; subject matter available for secondary school courses; and methods of teaching the subject. Required of American History majors. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (BROSNAN)

Primarily for Graduates

211-212 Problems in the History of the West 2 credits Each semester
Detailed studies of topics in the History of the West and its influence on national and international affairs at each stage of advance. Emphasis will be on Trans-Mississippi West. Lectures, discussions, and reports. A comprehensive knowledge of American History is assumed. (BROSNAN)

225-226 Research in American History 1 to 4 credits Each semester
Supervised individual investigation of topics selected in conference with the instructor and documented reports embodying the results of research. Open to graduates and properly qualified advanced students of American History. (BROSNAN)

227-228 Seminar in American History 2 credits Each semester
Intensive studies and discussion of reports presented in American History. The special interests of the students will be considered in the selection of the fields of study. Open to graduates and properly qualified advanced students of American History. (BROSNAN)

ANIMAL HUSBANDRY

Professor HICKMAN, Associate Professors NORDBY and 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. Three lectures and two three-hour laboratory periods each week. Required of Sophomores in Agriculture. Livestock: (NORDBY); Poultry: (LAMPMAN)

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. For Forestry students. One lecture a week. (GILDOW)

For Advanced Undergraduates and Graduates

103 Breed Types of Livestock 2 credits First semester
Early history, development, and breed charactertistics 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. (NORDBY)

104 Livestock Judging 1 credit Second semester
The judging of horses, cattle, sheep, and swine in groups with reference to breed and market types. One three-hour judging period 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. 53. (HICKMAN)

111 Advanced Livestock Judging 1 credit First semester

Continuation of A.H. 104, primarily 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 3 credits Second semester

Coordination of physiological background; general laws of heredity; methods of investigation; interpreting experimental data; application of principles to livestock improvement; problems and reference reading. Three lectures a week. Required of students in Animal Husbandry. Prerequisite: Zool 1. (NORDBY)

113 Meat 2 credits First semester

Butchering, curing, and care of meats; yield, quality, and values of meat and by-products as influenced by breeding, feeding, and health of meat animals; market classes, grades, and cuts of meat in wholesale and retail markets. Through 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)

115 Meat 1 credit First semester

A study of the factors affecting the quality and palatability of meat; identification and selection of wholesale and retail cuts of meat. One hour period a week. This course is offered for students in Home Economics. (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 coordination of land, labor, and capital employed in the economic organization of livestock production involving the various classes of livestock. Planning livestock farming enterprises. Senior year. Two lectures a week. Prerequisite: A.H. 106. (NORDBY)

141 Livestock Production 4 credits First semester

Breeding, feeding, management, and marketing of commercial and purebred beef cattle, hogs, and sheep. Four lectures a week. Prerequisites: A.H. 1 and 106. Senior year. (HICKMAN, 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. Prerequisite: A.H. 141. Senior year. (HICKMAN)

157-158 Pro-Seminar 1 credit Each semester
Investigation in selected lines of Animal Husbandry. Senior year. (HICKMAN, NORDBY, GILDOW)

159-160 Thesis 1 credit Each semester
Required for graduation in Animal Husbandry. (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. Three recitations a week. Prerequisite: A.H. 171. (GILDOW)

173 Animal Diseases 3 credits First semester
A consideration of general factors entering into disease conditions; sanitation as related to disease and parasites. A study of parasites affecting animals. A general consideration of prevention, control, and treatment of farm animals. Prerequisites: A.H. 171 and 172. (GILDOW)

174 Specific Animal Diseases 2 credits Second semester
A continuation of A.H. 173, taking up in detail specific infectious diseases, digestive disturbances, poisonous plants, and specific measures regarding prevention, control, and treatment of diseases affecting cattle, horses, sheep, hogs, and poultry. (GILDOW)

Primarily for Graduates

201-202 Research Credits to be arranged Each semester
(HICKMAN, NORDBY, GILDOW)

ART and ARCHITECTURE

Assistant Professor PRICHARD, Mr. MELZIAN, Miss KIRKWOOD

ARCHITECTURE

Primarily for Undergraduates

11-12 Elementary Architectural Design 2 credits Either semester
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 a week. (MELZIAN)

13 Shades and Shadows 1 credit First semester
Elementary shades and shadows. (MELZIAN)

14 Architectural Perspective 1 credit Second semester
Discussion of the phenomena of perspective and methods of representing distance, followed by exercises in drawing architectural perspectives. Three hours of drawing once a week. (MELZIAN)

For Advanced Undergraduates and Graduates

113-114 Intermediate Architectural Design 3 credits Each semester
A series of problems in architectural composition and planning. Three hours of drawing three times a week. Prerequisite: Arch. 11-12. (MELZIAN)

115-116 Architectural Design 4 credits Each semester
A continuation of Arch. 113-114. Three hours of drawing four times a week. Prerequisite: Arch. 113-114. (PRICHARD)

117-118 Advanced Architectural Design 5 credits Each semester
A continuation course in architectural design. Elective for students who have completed Arch. 116. Three hours five times a week. (MELZIAN)

131-132 Architectural History 3 credits Each semester
A study of ancient architecture; the Romanesque period; the Gothic period; Renaissance and modern architecture. Three lectures a week and research. (MELZIAN)

133-134 Building Construction 3 credits Each semester
The nature and properties of materials used in building construction. Methods of construction. Three lectures or recitations a week. Prerequisite: Arch. 11-12. (MELZIAN)

136 Mechanical Plant of Building 2 credits Second semester
The mechanical plant in its relation to the architectural problem. Insulation, acoustics, plumbing, and electrical installation, their fundamental principles and their application in the details of modern work. Two lectures a week and research. (MELZIAN)

ART

Primarily for Undergraduates

1-2 Freehand Drawing 2 credits Either semester
The principles of freehand drawing and the elements of composition. Drawing in pencil and charcoal. Two three-hour laboratory periods a week. No prerequisites. (PRICHARD)

3-4 Principles of Design 2 credits Either semester
Principles of design in line, dark and light, and color, to develop power of appreciation and creation of good design. (KIRKWOOD)

51-52 Art Appreciation 2 credits Each semester
A consideration of the elements of beauty in the various arts. Slides, lectures and discussion of painting, sculpture, and the minor arts. The various viewpoints: the philosopher, the artist, the layman. (PRICHARD)

For Advanced Undergraduates and Graduates

101-102 Water Color Painting 2 or 3 credits Each semester
Development of water color technique. Sketching from still life and from nature. Three hours each week per credit. Prerequisite: Art 1-2. (PRICHARD)

103-104 Principles of Applied Design 2 credits Each semester
Wood-block printing and the book. Prerequisite: Art. 3-4. Two three-hour laboratory periods a week. (KIRKWOOD)

105-106 Intermediate Freehand Drawing 2 or 3 credits Each semester
Advanced drawing from life, nature, and the antique. Three hours each week pe rcredit. Prerequisite: Art 1-2 and 3-4. (KIRKWOOD)

107-108 Oil Painting 3 credits Each semester
Technique of oil painting; the palette. Painting from still life and nature. Prerequisites: Art 1-2 and permission. Three three-hour periods a week. (KIRKWOOD)

121 Alphabets 2 or 3 credits First semester
Mechanics of lettering and a study of historic styles. Prerequisite: Junior standing. (PRICHARD)

122 Advertising Layout 2 credits Second semester
The layout of advertising matter for newspaper and magazine work. Relation of type to cut, spacing, balance, methods of reproduction. Pencil layout and the criticism of good and bad examples. Prerequisite: limited to advertising majors and advanced art students. (MELZIAN)

123-124 Composition and Illustration 3 credits Each semester
A study of the technique of composition and illustration. Three three-hour laboratory periods a week. Prerequisite: Art 1-2; 105-106 or 107-108. (KIRKWOOD)

125-126 Modeling and Casting 2 credits Each semester
Modeling in clay; piece, waste, and elastic moulds. Casting in plaster. Classes limited. Two three-hour laboratory periods a week. Prerequisite: Art 106 or 108. (PRICHARD)

127-128 Advanced Freehand Drawing 3 credits Each semester
Individual problems in various media. Three three-hour laboratory periods a week. Prerequisite: Art 106. (PRICHARD)

129-130 History of Painting 2 credits Each semester
A technical study of the great painters of history. Primarily for students majoring in Art. Prerequisite: Art 51-52 or Junior standing. (KIRKWOOD)

141-142 Advanced Oil Painting 2 to 4 credits Each semester
Prerequisite: Art 107-108. (KIRKWOOD)

161-162 Pro-Seminar Credits to be arranged Each semester
Critical readings in the field of Art. Research and reports. (PRICHARD)

BACTERIOLOGY

Professor HALVERSEN, Mr. CHERRINGTON, Mr. SCHILLING

Primarily for Undergraduates

8 Hygiene and Sanitation 3 credits Second semester
Communicable diseases, immunity, food, air, soil, water, sewage disposal, refuse disposal, vital statistics, industrial hygiene, and diseases of occupation, school hygiene, disinfection, etc. Two lectures and one quiz each week. Open to all students. (HALVERSEN)

10 Public Health 2 credits Second semester
Applied hygiene and sanitation from the standpoint of bacteriological and related sciences. The prevention of communicable diseases; environment in relation to health and disease. (HALVERSEN)

51 General Bacteriology 4 credits Either semester
A general survey of the field of Bacteriology, designed for students in the General Science courses and as a foundation for advanced work in the subject. Two lectures and two three-hour laboratory periods a week. Prerequisite: Chem. 1-2. Organic Chemistry is recommended. (HALVERSEN, CHERRINGTON)

For Advanced Undergraduates and Graduates

104 Pathogenic Bacteria 4 credits Second semester
A study of the most important disease-producing organisms, serums, vaccines, etc.; animal experiments and practice in laboratory diagnosis. Two lectures and two three-hour laboratory periods a week. Prerequisite: Bact. 51. (CHERRINGTON)

106 Dairy Bacteriology 3 credits First semester
A study of the number of bacteria in milk, butter, cheese, ice cream, and other dairy products; isolation and study of specific groups; effect

of common farm dairy practices on the number of bacteria in milk, etc. One lecture and two three-hour laboratory periods a week. Prerequisite: Bact. 51. (CHERRINGTON)

107 Food Bacteriology 4 credits First semester

Principles underlying the curing, ripening, and preservation of food products. A practical working basis for ascertaining the decomposition limits of food suitable for human consumption. Methods of micro-analysis used by state and federal bureaus for food inspection. Two three-hour laboratory periods and two lectures a week. Prerequisite: Bact. 51. (HALVERSEN)

108 Bacteriological Technique 3 credits Second semester

Preparation of special culture media, special staining methods, and problems involving special technique. One lecture and two three-hour laboratory periods a week. Prerequisite: Bact. 51. (CHERRINGTON)

109 Immunology 3 credits First semester

An intensive study of the theory of immunity, with animal experiments in the production of immune sera, use of vaccines, preparation and testing of vaccines, sera, toxins, and antitoxins. One lecture and two three-hour laboratory periods a week. Presequisites: Bact. 51 and 104. (SCHILLING)

110 Serology 3 credits Second semester

A continuation of Bact. 109, with emphasis on complement fixation and serum reactions. Prerequisites: Bact. 51, 104, and 109. (SCHILLING)

111-112 Bacteriological Literature (Pro-Seminar)
Credits to be arranged Each semester
(HALVERSEN OR CHERRINGTON)

113 Public Health Methods 2 to 4 credits Either Semester

Bacteriological methods employed in public health laboratories in the diagnosis of diseases, identification of organisms, and laboratory procedures as an aid of epidemiology. Designed to prepare students for public health laboratory service. Laboratory and lectures to be arranged. Prerequisites: Bact. 51 and 104. (CHERRINGTON OR HALVERSEN)

115-116 Special Problems 1 or 2 credits Each semester
(HALVERSEN OR CHERRINGTON)

121 Clinical Diagnosis Credits to be arranged Either semester

A course covering pathological and bacteriological methods used in hospital and public health laboratories. Laboratory work and lectures to be pursued in approved and designated hospital or public health laboratories containing suitable equipment and instruction to be given by individuals whose preparation would fit them for positions on the university faculty. Prerequisites: Bact. 51 and 104.

Primarily for Graduates

201-202 Seminar 1 credit Each semester
211-212 Research Credits to be arranged Each semester
(HALVERSEN)

BOTANY

Professor GAIL, Assistant Professor DIETTERT, Miss ALLEN, Mr. DARROW

Primarily for Undergraduates

1-2 General Botany 4 credits Either semester

Study of the cell and its functions, followed by a general survey of the entire plant kingdom, beginning with the lower forms. Elementary

morphology, physiology, and anatomy of plants. Two lectures and two laboratory periods a week. (GAIL, DIETTERT, ALLEN, DARROW)

3 Principles of Botany 4 credits Either semester

A course designed to acquaint the student with the principles of Botany which play an important part in biological thought and to bring the student in contact with the plant life about him. Two lectures and two three-hour laboratory periods a week. (GAIL, DIETTERT, DARROW, ALLEN)

11 General Agricultural Botany 5 credits First semester

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 a week. (DIETTERT, ALLEN, DARROW)

53-54 Systematic Botany 3 credits Each semester

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; dicotyledonous plants are studied the second semester. (GAIL, ALLEN)

For Advanced Undergraduates and Graduates

101-102 Plant Physiology 4 credits Each semester

The physics, chemistry, growth, and movement of plants. Two lectures and two laboratory periods a week. Prerequisites: Bot. 1-2, or 11, and Chem. 1 and 2. (GAIL)

104 Plant Anatomy 4 credits Second semester

The tissues of plants considered from the standpoint of origin, development, and function. The technique of staining and mounting of sections of plants of the four major groups. Two lectures and two laboratory periods a week. Prerequisites: Bot. 1-2 or 11, and Chem. 1-2. (DIETTERT)

105 Plant Ecology 3 credits First semester

Comparative study of plant tissues from the standpoint of origin and rôle, followed by field work in greenhouse and fields near the University and some work in adjacent mountains. Two lectures and three laboratory hours a week. Prerequisites: Bot. 1-2, 53-54, and 102. (GAIL)

109 The Teaching of Botany 2 credits First semester

The aim is to acquaint the students with the methods of teaching Botany in the high school. Materials, a review of subject matter, and texts will be considered. Two lectures a week Prerequisites: Bot. 1-2 and 53-54. (ALLEN)

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. Two lectures and six laboratory hours a week. Prerequisites: Bot. 1-2 or 11. (DIETTERT)

121-122 Morphology 4 credits Each semester

A study of the structure and function, reproduction, and classification of the thallaphytes, bryophytes, pteridophytes, and spermatophytes. Two lectures and two laboratory periods a week. Prerequisites: Bot. 1-2 and 53-54. (DIETTERT)

123-124 Thesis 1 or 2 credits Each semester

125-126 Pro-Seminar 1 credit Each semester

Review of current literature; presentation of original work. Can be taken only by consent of the instructor. (GAIL, DIETTERT, ALLEN)

Primarily for Graduates

203 Plant Physics, Nutrition and Growth 3 credits Either semester
A course in plant physiology for majors in the department of Senior standing or for graduate students. Two lectures with option of one laboratory period a week. Prerequisites: Bot. 1-2, 53-54, and 101-102; and working knowledge of Chemistry and Physics. (GAIL)

206 Advanced Plant Ecology 3 credits Second semester
Two lectures or recitations, and one laboratory period a week. Prerequisite: Bot. 105. (GAIL)

207-208 Advanced Taxonomy 2 to 5 credits Each semester
Taxonomy and morphology of special groups of plants. For Seniors or Graduate students. Prerequisites: Bot. 1-2 and 53-54. (GAIL)

210 Advanced Mycology 3 credits Second semester
Collection, identification, and classification of the higher fungi; the relation of their occurrence to environmental factors. One lecture and six laboratory hours a week. Prerequisites: Bot. 1-2 or 11, 53-54, and 111. (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, Associate Professor GRAUE, Assistant Professors DAVISON, REIERSON, VOGEL, WILDE, Mr. MOORE, Professor KERR

Primarily for Undergraduates

E-F Typewriting No credit Each semester
Previous training not required. (REIERSON)

G-H Advanced Typewriting No credit Each semester
Open to anyone who has had one year of typewriting. (REIERSON)

15n-16 Shorthand 3 or 4 credits Each semester
A beginning course in Gregg shorthand. Students unable to type at the rate of 45 words a minute, with 10 or less errors, for 15 minutes must register for four credits. (REIERSON)

27 Business Organization 3 credits Second semester
Types of enterprise, including cooperative associations and socialization. (GRAUE)

71-72 Intermediate Dictation 3 or 4 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 general and business vocabulary. Students unable to type at the rate of 60 words a minute, with 10 or less errors, for 15 minutes must register for four credits. Prequisites: Bus. 15n-16 or a theory test to determine preparation for this course. (REIERSON)

73-74 Expert Dictation 2 credits Each semester
Advanced dictation and court reporting. Prerequisite: a speed of 125 words a minute. (REIERSON)

76 Office Practice and Procedure 2 credits Second semester
Training in the various methods of filing; use of the mimeograph, multigraph, dictaphone, the telephone, and telegraph. Secretarial ethics and standards. Prerequisite: Bus. 15-16. (Given in alternate years. Omitted 1933-34.) (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, MOORE)

For Advanced Undergraduates and Graduates

108 Transportation 3 credits Second semester
Railroad transportation, with minor consideration of ocean, automotive, and air transportation. (DAVISON)

113 Statistics 3 credits First semester
Elementary principles of statistics as applied in the scientific study and interpretation of economic phenomena. (VOGEL)

124 Financial Administration 3 credits Second semester
The financial problems of business enterprises. (FARMER)

126 Analysis of Financial Statements 2 credits Second semester
(Omitted, 1933-34).

129-130 Retail Merchandising 3 credits Each semester
The retail market; types of enterprise, analysis of organization, credit and prices. (DAVISON)

136 Investments 3 credits Second semester
The general problem of investments and the merits of the various types of securities. Prerequisite: Bus. 124. (FARMER)

141 Foreign Trade 3 credits First semester
Principles of international trade: tariff, foreign exchange, market development, dumping, foreign policies, trade agreements, merchandising. (DAVISON)

142 Foreign Trade Problems 2 credits Second semester
Prerequisite: Bus. 141. (Omitted 1933-34)

152 Personnel Administration 3 credits Second semester
The technique of employment management. (MOORE)

162 Office Management 2 credits Second semester
A study of the well organized business office, with special attention to selection and training of office workers. A thorough study of the various departments. Office standards. (Given in alternate years. Offered 1933-34.) (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. (KERR)

167 Government Regulation of Business 3 credits First semester
Federal and State regulation affecting business, with special reference to public utilities. (MOORE)

169 Marketing 4 credits First 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. (DAVISON)

175 Principles of Advertising 3 credits First semester
Psychology and technique of advertising. (DAVISON)

176 Retail Advertising 2 credits Second semester
Commodity advertising: layout exercises, copywriting; campaigns. Prerequisite: Bus. 175. (DAVISON)

177 Insurance 3 credits First semester
Principles and practices of life and property insurance. (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 and 181-182. (WILDE)

184 Income Tax Accounting 3 credits Second semester
A study of the federal income tax laws as they apply to accounting. (WILDE)

185n-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)

187-188 C.P.A. Problems 2 credits Each semester
Survey course using actual Institute problems as a basis. Individual guidance, without lectures. Examinations at completion of each unit. Prerequisites: Bus. 181-182 and 185-186. (WILDE)

191 Methods in Commercial Teaching 3 credits First semester
The course of study of the high-school commercial department. Methods and practice-teaching. Open only to students who have taken Bus. E-F., 81-82, and 15n-16, or their equivalents. (REIERSON)

193-194 Business Conditions 3 credits Each semester
A study of prices, price movements, and tendencies; current theories of business cycles; guidance of economic activity. (GRAUE)

196 Undergraduate 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)

198 Advanced Statistics 3 credits Second semester
Prerequisite: Bus. 113. (Given in alternate years. Omitted, 1933-34)

Primarily for Graduates

211-212 Seminar in Business Credits to be arranged Each semester
The topic for investigation and discussion will be selected from the field in which the student is engaged. Open only to Graduate students. (FARMER)

CHEMISTRY*

Professors VON ENDE and KOSTALEK, Assistant Professors CADY, DUSAULT and CONE; Mr. MARTIN, Mr. TURINSKY, Mr. TAYLOR

NOTE.—A laboratory period consists of three consecutive hours.
DEPOSITS.—A deposit to cover breakage and materials is required each semester.

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

*For Chemical Engineering Curriculum, see the College of Engineering section in Part III. For courses in Agricultural Chemistry and Soils Chemistry, see Agricultural Chemistry.

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, eleven quiz, and eight laboratory sections). (VON ENDE, KOSTALEK, CADY, DUSAULT, CONE, MARTIN, TURINSKY, TAYLOR)

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. Chem. 1 and 2 include about 25 problems each. Prerequisite: Chem 1. (VON ENDE, KOSTALEK, CADY, DUSAULT, CONE, MARTIN, TURINSKY, TAYLOR)

51 Qualitative and Gravimetric Analysis 4 credits First semester

Theory and practice of analysis, with experiments in advanced inorganic chemistry. The laboratory practice also includes the qualitative separation of cations and 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;* Chapin's *Second Year College Chemistry;* and Hall's *Quantitative Analysis*. Two classes and two laboratory periods a week. Laboratory Sections I and II. Prerequisites: Chem. 1 and 2. (CONE)

52 Quantitative Analysis (Volumetric) 4 credits Second semester

Continuation of Chem. 51. The laboratory work consists largely of volumetric analysis, including about 30 problems; Hall's *Quantitative Analysis,* and Chapin's *Second Year College Chemistry*. Periods per week and sections the same as for Chem. 51. Prerequisites: Chem. 1, 2, and 51. (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. One-half of the laboratory time is devoted to quantitative methods of analysis. Textbooks: Barrett's *Elementary Organic Chemistry,* and Talbot's *Quantitative Chemical Analysis*. Two lectures and two laboratory periods a week. Prerequisites: Chem. 1 and 2. (KOSTALEK, CADY, TURINSKY)

54 Carbon Compounds 3 credits Second semester

A course planned for students in Home Economics. Textbook: Barrett's *Elementary Organic Chemistry*. 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. 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, and written quizzes. Textbooks: Norris' *Organic Chemistry* and Norris' *Experimental Organic Chemistry*. Prerequisites: Chem. 1, 2, 51, and 52. (KOSTALEK, TURINSKY)

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 10 to 12 aliphatic and aromatic compounds, and the quantitative determination of carbon and hydrogen. (KOSTALEK, TURINSKY)

103 Advanced Quantitative Analysis 1 to 4 credits First semester

Laboratory work designed for students in Chemical Engineering and such other students as may need 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 credits Each semester
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, conductance, potential 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 The Teaching of Chemistry 2 credits Summer Session
A course designed for those who expect to teach Chemistry in secondary schools. By means of lectures, reports, and discussions the following are considered: aims, methods, principles of selection and emphasis, sources of material, laboratory equipment, and instruction, modern text-books and laboratory manuals. Five periods a week. Offered only in Summer Session. Prerequisites: Chem. 1, 2, 51, and 52, or their equivalent.

108 Industrial Chemistry 2 credits Second semester
A study of the fundamental principles involved in a number of typical chemical industries, with a discussion of raw materials, equipment, processes, and methods of control. Two class periods a week. Prerequisites: 1, 2, 51, 52, and 101. (CADY)

109-110 Thesis 1 to 3 credits Each semester
Prerequisites: (as a minimum) Chem. 1, 2, 51, 52, 101, and 102. (DEPARTMENTAL STAFF)

111 Biochemistry 3 credits First semester
An introduction to the chemistry of carbohydrates, lipins, proteins, the collodial state, enzymes, digestion, tissues, blood, urine, and metabolism. Special emphasis is placed on the physical chemical principles involved. Three class periods a week. Prerequisites: Chem. 1, 2, 51, 52, 101, and 102. (Six to eight credits of Biological Sciences are desirable). (CONE)

112 Biochemistry 3 credits Second semester
A continuation of Chem. 111, with laboratory work consisting of preparations, qualitative and quantitative experiments on the fundamental procedures of biochemical laboratory practice, with special emphasis on blood and urine analysis. One class period and two laboratory periods a week. Prerequisite: Chem. 111. (CONE)

113 Chemical Engineering 3 credits First semester
Three class periods a week on the unit operations of Chemical Engineering. Discussion and problems on fluid flow, heat transfer, evaporation, drying, and diffusion. Textbook: Badger and McCabe's *Elements of Chemical Engineering*. Must be preceded by or paralleled with M.E. 121, Thermodynamics. Prerequisites: Chem. 1, 2, 51, 52, 101, 102, and 108. (CADY)

114 Chemical Engineering 4 credits Second semester
A continuation of Chem. 113, including problems and discussion of filtration, grinding, mixing, extraction, distillation, and gas absorption. The laboratory work is devoted to specialized technical analyses and performance tests on various types of equipment used in the unit opera-

tions. Two class periods and two laboratory periods a week. Prerequisite: Chem. 113. (CADY)

Primarily for Graduates

201-202 Advanced Organic Chemistry 1 to 3 credits Each semester
Laboratory work consists of special preparations and advanced quantitative organic analysis. Prerequisites: Chem. 101 and 102. (KOSTALEK, TURINSKY)

203-204 Research 2 to 4 credits Each semester
It is intended to place at the disposal of mature and properly qualified Graduate students the working and instructional facilities of the department. (DEPARTMENTAL STAFF)

205-206 Seminar 1 credit Each semester
Prerequisites: Courses approved by the Department. (DEPARTMENTAL STAFF)

207-208 Selected Chapters from Theoretical and Physical Chemistry 2 credits Each semester
Reports, conferences, studies of the literature, lectures, and practicum, in special phases of the field. Prerequisites: Chem. 101-102, and 105-106. (VON ENDE AND DEPARTMENTAL STAFF)

CIVIL ENGINEERING

Professor CRAWFORD, Assistant Professors CARTER, HOWARD, and BUCHANAN

Primarily for Undergraduates

1 Engineering Drawing 3 credits First semester
Freehand lettering; use of drawing instruments; orthographic projections; isometric and oblique drawings; working drawings. One recitation and six hours in drafting room a week.

2 Descriptive Geometry 3 credits Second semester
Advanced orthographic projections, auxiliary, and oblique views; problems on point, line, and plane; classification of surfaces; surface developments and intersections; tangent planes; warped surfaces. One recitation and six hours in drafting room a week. Prerequisite: C.E. 1.

3 Plane Surveying 4 credits First semester
Theory and use of transit, level, and minor instruments. Land surveying. Government method of laying out public lands. One recitation and nine hours of field work and computations a week. Prerequisites: Math. 11 and C.E. 1.

3a Plane Surveying 3 credits First semester
For Forestry students. One recitation and six hours of field work and computations a week. Prerequisites: Math 11 and C.E. 1.

3b Plane 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 of field work a week. Prerequisites: Math. 11 and C.E. 1.

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 a week. Prerequisite: C.E. 3, or 3a.

6 Mechanics (Statics) 2 credits Second semester
Composition and resolution of forces; laws of equilibrium; stresses in frames; centers of gravity; moments and products of inertia; analytical and graphical methods of solution. Prerequisites: Math. 51 and Phys. 11.

8 Plane Curves 1 credit Second semester
Simple, compound, reversed, and parabolic curves. A recitation and problem course. Prerequisite: C.E. 3, or 3a.

9 Engineering Problems 1 credit First semester
Training in computation and analysis of engineering problems. One laboratory period a week. Open to Freshmen only. Prerequisite: To be taken with Math 11.

10. Engineering Problems 1 credit Second semester
A continuation of C.E. 9. Open to Freshmen only.

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 a week. 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 a week. Prerequisite: C.E. 101.

105 Highways and Streets 2 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. 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 2 credits First semester
Trackwork; easement curves; earthwork computations; the mass diagram. Prerequisites: C.E. 3, 4, and 8.

109 Materials Testing Laboratory 1 credit First semester
A study of the physical properties and the testing of steel, wrought and cast iron, timber, cement, and concrete. Three hours a week in laboratory. Prerequisite: 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.

112 Materials Testing Laboratory 1 credit Second semester
A continuation of C.E. 109. Three hours a week in laboratory.

113 Railway and Highway Surveying 3 credits First semester
Problems solved in field. Surveys made; quantities computed; profiles and maps drawn. Nine hours a week in field and drafting room. Prerequisites: to accompany C.E. 105 and 107.

120 Irrigation 2 credits Second semester
The principles of irrigation engineering; design, construction, and maintenance of structures; studies of constructed projects. Prerequisites: C.E. 103 and 104.

121 Structural Design 3 credits First Semester
Design of steel and concrete bridges, steel and concrete buildings. Nine hours a week in the drafting room. Prerequisites: C.E. 102 and 106, and to be taken with C.E. 123.

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 Steel Structures 2 credits First semester
Structural theory, methods of construction, and economics of steel bridges and buildings. Prerequisites: C.E. 102, and to be taken with C.E. 121.

124 Contracts and Specifications 2 credits First 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 Concrete Structures 5 credits Second semester
A study of cements; the proportioning of concretes; foundations for bridges and buildings; retaining wall theory; masonry dams; arch theory. Three recitations and six hours in the drafting room. Prerequisites: C.E. 102 and 106.

127 Waterpower Engineering 2 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. Prerequisites: Senior standing.

130 Thesis 3 credits Either semester
A 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.

135 Estimates and Costs 2 credits First semester
The preparation of quantity surveys, cost estimates, and cost reports. Economic comparisons between different types of structures. Prerequisite: Senior standing.

137 Statically Indeterminate Stresses 3 credits First semester
Methods of determining deflections and the general theory of static-

ally indeterminate stresses. Two recitations and three hours in drafting room a week. Prerequisite: C.E. 102.

138 Engineering Administration 2 credits Second semester
Principles of organization; valuations of public utilities; rate structures; public utility economics. Prerequisite: Senior standing.

140 Airplane Stress Analysis 2 credits Second semester
The fundamental principles of stress analysis with particular reference to the airplane. Brief consideration of materials commonly used in airplane construction. Analysis and design of wings, chassis, fuselage, and other parts. Prerequisites: C.E. 101 and 103.

Primarily for Graduates

201 Water Purification and Sewage Disposal
Credits to be arranged 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.

231 Highway Materials 2 credits Either semester

232 Highway Administration 2 credits Either semester

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: (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 peoples 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. The complete requirements for the Latin Curriculum are stated in the Letters and Science section, Part III.

Students who wish chiefly an acquaintance with Roman history and institutions should elect European History 14, "Classical Civilization." For Latin literature in English see Eng. 175.

Primarily for Undergraduates

1n-2 Elementary Latin 4 credits Each semester
Besides preparing to read Latin the course deals especially with the Latin-English words and phrases in literature, law, and the sciences. Translation of easy selections from classic myths and stories from Roman history. (AXTELL)

3-4 Intermediate Latin 4 credits Each semester

Translation of narratives dealing with Roman life, 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. Prerequisites: Lat. 1-2, or two years of high school Latin. (RENTFRO)

53-54 Advanced Latin 3 credits Each semester

Study of selections from standard Latin authors, the poets the first semester, prose writers the second semester. Investigation of their lives and criticism of their styles. Prerequisites: Lat. 3-4 or three years of high school Latin. (RENTFRO)

For Advanced Undergraduates and Graduates

101 Horace 3 credits First semester

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. Prerequisites: Lat. 53 or 54 or four years of high school Latin. (AXTELL)

102 Livy 3 credits Second semester

Translation of selections from Livy's history of Rome. Study of the principles of Latin narrative. Prerequisites: Lat. 53 or 54 or four years of high school Latin. (AXTELL)

111-112 Prose Composition 2 credits Each semester

Systematic exercises affording a thorough review of Latin grammar. Best studied in connection with either Lat. 53-54 or 101-102. Prerequisites: Lat. 3-4 or three years of high school Latin. Required for a recommendation to teach Latin. (Not given in 1933-34.) (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. Prerequisites: Lat. 53-54, 101, and 102, or equivalent courses. (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 detail 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

A study of antiquities and topography of Rome. (AXTELL)

Primarily for Graduates

201-202 Research Credits to be arranged Each semester

Special topics in Latin literature or antiquities will be set for investigation. (AXTELL)

203 Latin Epigraphy 3 or 4 credits First semester

A study of Latin inscriptions: materials, forms, classes, and bearing upon Roman history. Important examples will be investigated intensively. (AXTELL)

204 Roman Life 3 or 4 credits Second semester

A study of Roman customs and manners by use of literary references and illustrations from antiquities. A special topic will be assigned each student for investigation. (AXTELL)

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 the curriculum in Greek see page 47. Students who wish chiefly an acquaintance with Greek history should elect European History 14, "Classical Civilization." Those who wish to know Greek Literature through English translation should elect Eng. 175.

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 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. In the second semester passages from Homer are translated and various topics such as the influence of Homer upon English literature are investigated. (AXTELL)

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. Prerequisite: Greek 3-4, or equivalent courses. (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. Prerequisites; Greek 3-4, or equivalent courses. (AXTELL)

103 Herodotus 3 credits First semester

104 Theocritus 3 credits Second semester

105 Greek Lyrical Poetry 3 credits First semester

106 New Testament Greek 3 credits Second semester

107 History of Greek Literature 2 credits First semester

108 Greek Archeology 2 credits Second semester

C. THE CLASSICS IN ENGLISH

53-54 Scientific Terminology 2 credits Each semester

A study of the fundamental Latin and Greek words used in the humanistic and natural sciences. Particular attention will be given to the terminology of the study in which each student is specially interested. (AXTELL)

60 Classical Art 2 credits Second semester

A study of the development of Greek and Roman sculpture, painting and other fine arts. Recognition of famous examples found in modern galleries and museums. (AXTELL)

NOTE.—Hist.13-14, Classical Civilization, are courses giving a rapid survey of the history and main institutions of Greece and Rome. See under European History. For Latin and Greek literature in English see Eng. 175.

DAIRY HUSBANDRY

Professor ATKESON, Associate Professor THEOPHILUS,
Mr. WARREN, 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
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. (WARREN)

For Advanced Undergraduates and Graduates

105 Dairy Cattle Judging 2 credits First semester
A study of 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. Three lectures a week. Prerequisites: D.H. 2 and 113. (HANSEN)

116 Cheese Making 4 credits Second semester
Methods of manufacture of cheddar, Neufchatel, cottage, and other types of cheese. Required of majors in Dairy Husbandry. Two lectures and one six-hour laboratory period a week. Prerequisites: 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 majors 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)

119 Ice Cream and Ices 3 credits First semester
The making of ice cream and other frozen products. Two lectures and one three-hour laboratory period a week. Prerequisites: D.H. 2 and 113. (THEOPHILUS)

120 Dairy Cattle Feeding and Management 4 credits Second semester
A study of the breeding, care, and feeding of dairy stock, the planning and arrangement of dairy buildings, the management of purebred herds, fitting for show, feeding for official records, sales and advertising, cattle photography. Required of majors 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 advertising. Two lectures a week. Prerequisite: D.H. 2. (THEOPHILUS)

125 Milk Technology 2 credits First semester
Composition of milk 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. Required of majors in Dairy Husbandry. (THE STAFF)

131-132 Undergraduate Research Credits arranged Each semester
Students with ability to do independent work may be assigned special problems in some phase of dairy production or dairy manufacture. (ATKESON, THEOPHILUS)

133-134 Thesis 1 credit Each semester
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.

Dairy Engineering
See Agricultural Engineering 141.

Primarily for Graduates

229-230 Seminar 1 credit Each semester
(THE STAFF)

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, Associate Professor GRAUE, Assistant Professors DAVISON and VOGEL, Mr. MOORE

Primarily for Undergraduates

51-52 Principles of Economics 3 credits Each seemster
A study of contemporary economic institutions—their foundation, organization, and principles of working order as displayed by scientific inquiry. (GRAUE)

54 Economics for Technical Students 3 credits Second semester

A course in the basic principles of economics. Open only to students in engineering, forestry, and mining. (DAVISON)

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. Prerequisite: Econ. 51-52. (FARMER)

112 Labor Problems 3 credits Second semester

The fundamental principle of labor economics. (MOORE)

115 Agricultural Economics 3 credits First semester

Description and analysis of the factors in agricultural production and their relationships in determining the profitableness of the farm business; agricultural development in the United States; financing the farm business; and some fundamental principles underlying marketing of farm products. (VOGEL)

118 Cooperative Marketing 3 credits Second semester

An intensive study of farmer cooperative marketing and purchasing agencies. A careful analysis of the organization, methods, and policies of the prevailing type of cooperative enterprises. Prerequisite: Econ. 114 or Bus. 169. (VOGEL)

120 Marketing Farm Products 3 credits Second semester

Description of the various services performed in marketing agricultural products; marketing methods; marketing agencies; analysis of the operations of the produce exchanges; price making; future trading; demand creation; adapting production to market conditions; governmental authority in relation to marketing; basic principles of cooperation. Prerequisite: Econ. 16 or Econ. 51-52. (VOGEL)

152 Advanced Economic Theory 3 credits Second semester

Open only to Seniors in Business Administration or in Economics, or others with the consent of the instructor. (GRAUE)

Primarily for Graduates

201 Economics of Enterprise 3 credits First 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)

202 History of Economic Thought 3 credits Second semester

A historical-analytical survey of economic doctrines with special emphasis upon the theories of value and distribution. (GRAUE)

213-214 Seminar in Economics Credits arranged Each semester

This course is open only to Graduate students. Material and topics to be selected. (FARMER, GRAUE)

215-216 Research in Economics of the Extractive Industries
Credits to be arranged Each semester

Research in production or marketing problems of the extractive industries. For Seniors and Graduate students, with the consent of the instructor. (VOGEL)

EDUCATION

Professors MESSENGER,* RUSSELL, and LATTIG, Associate Professors McCOY and SMITH,
Professor LEMON, Miss FEATHERSTONE

Primarily for Undergraduates

1 Introduction to Education 2 credits First semester
A general introductory course for those who have made no professional study of education. Seeking to cultivate an attitude favorable to the scientific investigation of educational problems, it touches on a wide variety of topics, gives results of scientific studies, and raises vital questions for further study. Open to Freshmen and Sophomores. (McCOY)

2 School-Room Management 2 credits Second semester
A practical course dealing with the concrete classroom problems of the teacher. (SMITH)

11 Student Problems 1 credit First semester
Required of all Freshmen. The purpose of the course is to help the student adjust himself to College and to prepare for the position he expects to fill after graduation. Mutual acquaintance is the most important feature. Only open to Freshmen and new students who are Sophomores. (MESSENGER)

15 Elementary Education 2 credits First semester
A course for those students who expect to teach or supervise in the elementary schools. (McCOY)

16 Art Education 2 credits Summer Session
A course in public school art for teachers who are expected to teach art without the aid of a special advisor. A study of art subject material for the different grades and special methods for teaching art in each grade. (FEATHERSTONE)

55 Idaho Law, Manual, and Civics 2 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 recomended for a certificate. Includes one credit of General Methods. (McCOY)

57 Observation and Teaching in Elementary School
1 to 6 credits Each semester
To be arranged with the Director of Practice Teaching and the Dean of the School of Education. (SMITH)

59 Principles of Teaching 3 credits First semester
The course presents in a practical way the fundamental processes of instruction. (SMITH)

For Advanced Undergraduates and Graduates

101 Elementary School Supervision 3 credits First semester
Intended for those preparing to be critic teachers, supervisors, and principals or superintendents of schools. (McCOY)

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

*On leave second semester, 1932-33.

organization, administration, and method of instruction. Prerequisite: six credits in Education. (RUSSELL)

113 Principles of Secondary Education 3 credits First semester

A study of high school education from three points of view: (a) the high school pupil and his characteristics; (b) the high school as an institution and its relation to society and to other educative institutions; (c) the high school course of study, especially as regards the aims and values of the different subjects. Prerequisite: six credits in Education. (RUSSELL)

114 High School Methods 3 credits Second semester

A course in the practical problems of teaching technique. It seeks, however, to establish fundamental principles of procedure rather than specific formulae. 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)

121 Rural Supervision 2 credits Summer Session

This course is designed for supervisors and administrators of rural schools. It deals with rural school problems particularly but does not isolate them from the broader problems of education in general.

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. (SMITH)

Observation and Teaching in Home Economics
3 credits Either semester

See H.Ec. 157.

Observation and Practice in Teaching Agriculture
1 to 5 credits Each semester

See Agr.Ed. 155-156.

Beginning Methods of Teaching Vocational Agriculture
2 credits Second semester

See Agr.Ed. 152.

Advanced Methods of Teaching Vocational Agriculture
3 credits First semester

See Agr.Ed. 153.

Vocational Education 2 credits Second semester

See Agr.Ed. 151.

Auxiliary Problems in Teaching Vocational Agriculture
2 credits Second semester

See Agr.Ed. 158.

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. (RUSSELL)

205 School Finance 2 credits Summer Session

This course deals with major problems of financing schools at the present time. Applications are made to the problems of Idaho.

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. Open to graduate students, and by permission to other advanced students of education who have had experience in teaching. (SMITH)

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)

211-212 Curriculum Construction 3 credits Each 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)

220 Current Educational Literature 2 credits Summer Session

This course has to do with the various points of view in education as reflected in current educational literature.

241 Character Education 2 credits First semester

A study of the influences exerted by the school in the building of character. (LEMON)

260 Scientific Methods in Education 3 credits Second semester

This is a course in methods of research, experimentation, and investigation. Useful to those who expect to do research for a thesis and 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 riculum construction. (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. (STAFF)

281-282 Professional Problems Credits to be arranged

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. (STAFF)

Seminar in Agricultural Education Each semester

See Agr.Ed. 251-252.

Research in Agricultural Education 1 to 4 credits Each semester

See Agr.Ed. 253-254.

ELECTRICAL ENGINEERING

Professor JOHNSON, Assistant Professor HULL

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. 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 of 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 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. Prerequisites: 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 a week. Prerequisite: E.E. 131.

133 Direct Current Machinery 3 credits First Semester
A course considering the fundamentals of electrical engineering particularly as applied to direct current machinery. Required of Junior Electrical and Mechanical Engineers. Prerequisites: Phys. 11-12 and E.E. 22.

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.

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.

137 Electrical Engineering Laboratory 2 credits First semester
Similar to E.E. 135, but designed for non-electrical students.

138 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. Prerequisite: E.E. 134.

142 Electrical Engineering 5 credits Second semester
A continuation of E.E. 141, taking up the theory of 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. 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.

145-146 Pro-Seminar 1 credit Each semester
Discussion 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 Problems 3 credits First Semester
Problems and design of simple electrical machines and apparatus. Prerequisites: E.E. 133-134 and Math. 101.

149 Electrical Circuits 3 credits First Semester
A study of the transient and steady state conditions in various electrical circuits. Elective. Prerequisites: Math. 101 and E.E. 134.

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 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. Elective. Prerequisite: a knowledge of elementary physics.

152 Thesis 3 credits Second semester
An original investigation or dissertation upon some subject in Electrical Engineering.

154 Central Stations 3 credits Second semester
Design and intensive study of central stations, their layout and equipment. Elective. Prerequisites: E.E. 132 or 134, and M.E. 122.

156 Electrical Engineering Problems 2 or 3 credits Second semester
The complete solution of various engineering projects; designs; choice of materials; comparative costs. Elective. Prerequisite: Senior standing.

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. Prerequisite: Math. 101.

160 Vacuum Tubes 2 credits Second semester
Study and testing of vacuum tubes and vacuum tube circuits. Elective. Prerequisite: Senior standing.

Primarily for Graduates

201-202 Advanced Electrical Engineering
Credits to be arranged Each semester
Problems in transient, high-frequency, and high-voltage phenomena.

203-204 Theory of Direct Current Machinery
Credits to be arranged Each semester
Advanced investigation into theory underlying design and operation of direct current machinery.

205 Power Plant Economics Credits to be arranged First semester
Study of design, operation, and organization of power plants as related to public utilities.

241-242 Research Credits to be arranged Each semester

ENGLISH

Professors MILLER and CUSHMAN; Assistant Professors COOPE, BETH, and HERRICK; Mr. BLANCHARD, Miss WANOUS, Mr. SCHULDT, Mr. BECHWITH, Mr. BANKS, Mr. WHITEHEAD, Miss LAMAR, Mr. PACKENHAM, Mr. SHERMAN, Mr. CERVENY.

Professors ELDRIDGE and AXTELL

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, in addition to regular Eng. 1, 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," Part II.

B. REQUIRED COURSES.—The regular courses in the Department are divided into two groups, required and elective. The Freshman course, Eng. 1-2, is required of all first-year students unless they are excused from one or both semesters of English Composition by proficiency tests. Eng. 3 or 4, 151, 153, and 155 in composition are required for certain groups of students. Sophomores planning to take the B.A. degree are required to take the introductory course in literature known as Eng. 17-18; students working for the B.S. degree or in technical curricula should take either Eng. 17-18 or Eng. 13-14. Students who expect to ask the Department for recommendations to teach English should take Eng. 107-108 and at least some work in Public Speaking, Dramatics, or Journalism. Students in any College or School who will need recommendation for the teaching of English should consult the Head of the Department not later than the beginning of the Junior year for assistance in making out a proper program of courses. Students who desire credit for intercollegiate debate must register for such credit in Eng. 37. Students desiring credit for work on *The Argonaut* must register, if prepared for the course, in Eng. 83-84.

C. PREREQUISITES.—Eng. 1-2 is open without conditions only to students who have passed the Uniform Placement Test and is a prerequisite to all courses in the Department except Eng. 31-32 (Fundamentals of Speech), Eng. 33-34 (Reading and Interpretation), and Eng. 37 (Intercollegiate Debating); but students in Eng. 1-2 may take Eng. 35 (Extemporaneous Speaking), Eng. 36 (Parliamentary Law and Procedure), Eng. 71-72 (Fundamentals of Play Production), or Eng. 81-82 (Elements of Journalism), provided they secure permission from the Head of the Department. Eng. 17-18 is a prerequisite to all advanced courses in literature or language; students who have not had Eng. 17-18 can enter such advanced courses only by special permission of the Head of the Department. Eng. 3 or 4 is a prerequisite to Eng. 155 (Technical Writing) for students in Agriculture who make "D" in Eng. 1.

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 outlines of the three curricula are stated in the College of Letters and Science section, Part III 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 number of advanced courses in English 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.

E. COMPREHENSIVE EXAMINATIONS—From 1932 on, major students in English will be required to take a comprehensive final examination on the completion of the curriculum in the Senior College. As preparation for this examination Seniors are required to take Eng. 129-130. Adequately prepared students in the School of Education may be given permission to take the comprehensive examination.

ENGLISH

Primarily for Undergraduates

1-2 English Composition 3 credits Each semester

Required of all first-year students in the Junior College (unless excused by a proficiency test), 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 Eng. 1 alone is required, with the proviso that students in Agriculture making a "D" in Eng. 1 are not eligible to Eng. 155 until they have passed a supplementary course in composition. Students who fail to pass the Uniform Placement Test or who give other evidences of notable deficiency in matters of usage are required, in addition to the regular work of the first semester, to do carefully organized drill in spelling, capitalization, punctuation, grammar, and sentence structure. Students required to do such additional work must attain a satisfactory standard of efficiency in usage before receiving credit in Eng. 1. HERRICK, WANOUS, SCHULDT, BECKWITH, BANKS, LAMAR, PACKENHAM, SHERMAN, CERVENY)

3-4 Expository Writing 2 credits Each semester

The course supplements Eng. 1-2 by further practice in the fundamentals of good composition, by more extended treatment of the principles of exposition, and by some practice in the less formal types of argumentation. Recommended for Sophomores who made "D" in Freshman English and for any students who wish further practice in writing of a non-literary character. One semester required of students in Agriculture who make only "D" in Eng. 1. Prerequisites: Eng. 1-2 (or Eng. 1 alone in the case of students in Agriculture). (SHERMAN)

10 Special Writing 2 credits Summer Session

Not given in the regular college year. Designed for students desiring part credit for Eng. 1 and for those who have had Eng. 1-2 and want work equivalent to Eng. 3-4 or Eng. 61-62. Instruction largely individual. (CUSHMAN)

13-14 Modern Literature 3 credits Each semester

Recommended as an alternative to Eng. 17-18 for students in the B.S. curriculum, for those in the various technical curricula, or as an elective for students in any division of the University; but the course cannot be taken as a substitute for Eng. 17-18 by B.A. students or by students in the School of Education who desire to teach English. It is the chief purpose of the course to bring students into contact with the thought of our times as expressed in nineteenth century and contemporary literature. Prerequisite: Eng. 1-2. (COOPE, BANKS)

17-18 Introduction to Literature 3 credits Each semester

Required of all Sophomores in the Junior College expecting to take the B.A. curriculum and recommended to satisfy a literature requirement or 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. It requires copious and carefully directed illustrative reading, so organized as to show the development of the various literary types in English literature. Prerequisite: Eng. 1-2. (CUSHMAN, HERRICK, WANOUS, BECKWITH, BANKS, LAMAR)

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. The course is designed as a prerequisite for Eng. 105-106. Open to Sophomores who have distinguished themselves in Eng. 1-2, and, with the consent of the Head of the Department, to a limited number of upperclassmen. (COOPE)

For Advanced Undergraduates and Graduates

SPECIAL NOTE.—All hundreds courses require Eng. 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. With special permission from the Head of the Department, the course may be taken in successive years. Open only to those who have completed Freshman English and Eng. 17-18 and who have shown some aptitude in literary composition by doing good work in Eng. 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. Juniors should secure the approval of the Head of the Department before registering for the course. 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 Education, but not as a 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, the prose drama of manners, and the beginnings of the novel. Prerequisites: Eng. 1-2 and 17-18. (BANKS)

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. Prerequisites: Eng. 1-2 and 17-18. (COOPE)

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: Eng. 1-2 and 17-18. (Not given in 1933-34.) (MILLER)

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: Eng. 1-2 and 17-18. (COOPE)

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: Eng. 1-2 and 17-18. (Not given in 1933-34.) (SCHULDT)

123 Contemporary English and American Drama 2 credits First semester

A study of the leading contemporary dramatists in England and in America with emphasis on Barrie, Shaw, Galsworthy, and Eugene O'Neill. Prerequisites: Eng. 1-2 and 17-18. (CUSHMAN)

124 Contemporary European Drama 2 credits Second semester

A study of the leading contemporary dramatists in Europe with emphasis on the influence of Ibsen. Prerequisites: Eng. 1-2 and 17-18. (CUSHMAN)

129-130 Outlines of English Literature 1 credit Each semester

Intended primarily for Seniors in the English curriculum. Required of majors in English preparing to take the comprehensive final examination in the Department. Prerequisites: Eng. 1-2 and 17-18. (MILLER)

131 Old English Language and Literature 3 credits First semester

Aim both linguistic and literary. The development of the language. Grammar and the reading of selected texts. The history of Old English literature, with wide readings in modern translations. Primarily for upper classmen and graduates. Prerequisites: Eng. 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: Eng. 1-2 and 17-18. (MILLER)

141 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: Eng. 1-2 and 17-18. (MILLER, CUSHMAN)

142 Shakespeare 3 credits Second semester

Shakespeare's development and characteristics as dramatic artist, poet, and thinker. 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: Eng. 1-2 and 17-18. (MILLER, CUSHMAN)

151 Engineering Reports 3 credits Either semester

Required of Juniors in the College of Engineering and the School of Mines. Emphasis is placed on popularization of technical material and on engineering reports. Some work in the handling of illustrative material in manuscripts, and a short study of the business letter. Prerequisite: Eng. 1-2; irregular students only with permission of the Head of the Department. (SCHULDT)

153 Business Writing 3 credits First semester

Required of Seniors in the School of Business Administration. Emphasis is placed on the writing of business reports and on business correspondence. Some attention is given to the popularization of technical material and to other types of writing especially valuable to business students. Prerequisite: Eng. 1-2; irregular students only with permission of the Head of the Department. (HERRICK)

155 Technical Writing 3 credits Either semester

Required of Juniors in the College of Agriculture and in the School of Forestry and of Pre-Medical and Pre-Nursing students. Emphasis is placed on formal exposition and on the preparation of various kinds of manuscripts. Some popularization of technical material, and the more general principles of business letter writing. Prerequisite: Eng. 1-2; or if the divisional requirement is only one semester of Freshman English, a grade of "C" or above. Irregular students must have the permission of the Head of the Department. (SCHULDT, HERRICK)

175-176 Readings in European Literature 2 credits Each semester

Selections from the writings of European authors as an introduction to the comparative study of their literary personalities and tendencies and of their influence on English literature. Not counted toward a major or a minor in English. Prerequisites: Eng. 1-2 and Eng. 17-18. (AXTELL, 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. (MILLER, COOPE)

205 Thesis Writing 2 credits First semester

A study of the literature of the subject and practice in the elements of thesis writing. (Not given in 1933-34.) (MILLER)

207-208 Special Problems in Methods of Teaching English

Credits to be arranged Each semester

A course in special research intended primarily for experienced teachers doing graduate work in the Department. Open to properly qualified graduate students. (MILLER)

209-210 The Foreign Backgrounds of English Literature

3 credits Each semester

A study of the influence of foreign literatures on the chief writers in English, with special emphasis on establishing the Oriental, the Classic, the Medieval, and the Renaissance points of view. Primarily for Seniors and Graduates. Open to Juniors only by special permission. (CUSHMAN)

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)

214 Studies in Biography 3 credits Second semester

A brief survey of world masterpieces in biography (in English translation), with concentration on contemporary English and American biography. (CUSHMAN)

DRAMATICS AND PUBLIC SPEAKING

SPECIAL NOTE.—Eng. 1-2 is prerequisite to all courses in Dramatics and Public Speaking except Eng. 31-32, 33-34, and 37; but by special permission of the Head of the Department students registered in Eng. 1-2 may take Eng. 35, 36, or 71-72. For all hundreds courses in Dramatics and Public Speaking, Eng. 17-18 is a prerequisite.

Primarily for Undergraduates

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 fifteen students each. No prerequisite. (WHITEHEAD, BLANCHARD)

33-34 Reading and Interpretation 2 credits Each semester

Analysis and presentation of monologues, stories, poems, plays, etc. No prerequisite. (BLANCHARD)

35 Extemporaneous Speaking 2 credits First semester

The application of the extempore method to public speaking. One section. Open to those who have had Eng. 31-32 or equivalent. Open to Freshmen by special permission. (WHITEHEAD)

36 Parliamentary Law and Procedure 2 credits Second semester

A study of parliamentary law and procedure through organization of the class as a parliamentary body and practice of speech under parliamentary conditions. Open to Freshmen by special permission. (WHITEHEAD)

37 Intercollegiate Debating 1 credit Either semester

The questions for debate are studied and briefed, and frequent debate practice is held. Students are selected on a competitive basis and organized into a regular class. University debaters are chosen primarily from this group. Open to Freshmen by special permission. (WHITEHEAD)

71-72 Fundamentals of Play Production 3 credits Each semester

A study of the principles of acting, staging, and directing of plays, together with practical application of these principles in laboratory production of one-act plays. No public appearance is guaranteed members of the class. Freshmen, to register, must secure special permission from the Head of the Department. If registration is too large, trials will be given to determine those best fitted for the work. One lecture hour and two two-hour laboratory periods each week. (BLANCHARD)

For Advanced Undergraduates and Graduates

106 Advanced Literary Composition 2 credits Second semester

For the description of this course, see the statement of Eng. 105-106.

123-124 Contemporary Drama 2 credits Each semester

For description of these courses see the statement of Eng. 123.

141-142 Shakespeare and Dramatic Influences on Shakespeare 3 credits First semester

For the description of these courses, see the statement of Eng. 141 and 142.

159 Voice Production 2 credits First semester

The physical factor in voice production will be considered in detail, with emphasis on the proper use of the resonating chambers; there will be a study of tongue placement for all the phonetic sounds; an effort will be made to improve tone quality; some emphasis will be given to diction; class practice will be part of the course. Prerequisites: Eng. 1-2, 17-18, 33-34 or 35-36 or 37. (WHITEHEAD)

160 Speech Composition 2 credits Second semester
Original preparation of the eight various types of addresses; models will be studied; stress will be laid on various attention devices; some delivery of speeches in class. Prerequisites: Eng. 1-2, 17-18, 35-36 or 37. (WHITEHEAD)

163-164 Advanced Speaking 2 credits Both semesters
Origins of speech; development of speech in race and individual; personality in speech; psychology of persuasion and attention. Prerequisites: Eng. 1-2, 17-18, 33-34 or 35-36 or 37. (WHITEHEAD)

165-166 Argumentation and Debate 2 credits Each semester
Practical logic, argumentation, analysis, briefing, and presentation of debates. Open to those with Eng. 35, 36, or equivalent, and with Eng. 1-2 and 17-18. (WHITEHEAD)

167-168 Advanced Interpretation 2 credits Each semester
First semester largely the interpretation of contemporary drama; second semester, of Shakespearean plays. Open to those with Eng. 33-34, or equivalent, and with Eng. 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 continuation of the staging and acting of plays, with special emphasis on the interpretation of full-length plays. Open to properly qualified students from Eng. 71-72 or to those with equivalent training. With the recommendation of the instructor this course may be taken two years in succession. Prerequisites: Eng. 1-2 and 17-18. (BLANCHARD)

JOURNALISM

SPECIAL NOTE.—Eng. 1-2 is a prerequisite to all Journalism courses, except that by special permission of the Head of the Department students may take Eng. 81-82 with Eng. 1-2. For all hundreds courses in Journalism, Eng. 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. Comparative study of metropolitan newspapers. All written work is done on the typewriter. Freshmen may not enroll except by special permission of the Head of the Department. (BETH)

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. (BETH)

For Advanced Undergraduates and Graduates

181-182 Reporting 4 credits Each semester
Practice in news writing, covering textbook assignments and events of campus and town. Two recitations and two three-hour laboratory periods weekly. Prerequisite: Eng. 81-82 or equivalent. (BETH)

183 Editorial Writing 3 credits First semester
Discussion of current events with instruction and practice in the writing of editorials. Prerequisite: Eng. 81-82. (Not given in 1933-34.) (BETH)

184 News Writing 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: Eng. 181-182 or to be taken with Eng. 182. (Not given in 1933-34.) (BETH)

185 History of Journalism 2 credits First semester

A history of American journalism, with special attention to present tendencies. Prerequisite: Eng. 81-82. (BETH)

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: Eng. 181-182, or to be taken with Eng. 182. (BETH)

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: Eng. 81-82. (BETH)

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: Eng. 81-82. (Not given in 1933-34.) (BETH)

197 Community Newspaper 2 credits Second semester

Problems of the small-town newspaper. Prerequisite: Eng. 81-82. (Not given in 1933-34.) (BETH)

198 High School Journalism 2 credits Second semester

Problems in directing high school newspapers and magazines. Prerequisite; Eng. 81-82 or consent of the Head of the Department. (BETH)

ENTOMOLOGY

Professor WAKELAND,* Associate Professor SHULL

For Advanced Undergraduates and Graduates

51 General Entomology 3 credits First semester

Study of structure, development, classification, life history and ecology of insects. Two lectures and one laboratory period a week. The laboratory given in two sections: one for Forestry students and one for Agricultural and Science students. (SHULL)

103 External Insect Anatomy 2 credits First semester

Study of insect characters used in classification. Two laboratory periods a week. Prerequisite: Ent. 51. (SHULL)

104 Economic Entomology 3 credits Second semester

Study of the habits and effects of insects and of the principles of insect control. Two lectures and one laboratory period a week. Prerequisite: Ent. 51. (SHULL)

105-106 Systematic Entomology 2 or 3 credits Each semester

Study of the classification of insects. Two or three laboratory periods a week. Prerequisite: Ent. 103. (SHULL)

107-108 Special Problems 3 to 5 credits Each semester

(WAKELAND, SHULL)

*On leave 1932-1933.

110 Entomological Technique 2 credits Second semester
Museum methods of insect preservation, preparation of demonstration materials, life-history study and technique. Two laboratory periods a week. Prerequisite: Ent. 51. (SHULL)

111-112 Pro-Seminar 1 credit Each semester
Prerequisite: Ent. 51. (WAKELAND, SHULL)

Primarily for Graduates

209-210 Research Credits to be arranged Each semester
Prerequisite: Ent. 104 or 106. (WAKELAND, SHULL)

211-212 Seminar 1 credit Each semester
Prerequisite: Ent. 104 or 106. (WAKELAND, SHULL)

EUROPEAN HISTORY AND CIVILIZATION

Professors CHURCH and RETHERFORD
Professor AXTELL, Associate Professor HOWE

The following courses are open to all upper-division students: (a) the courses primarily for undergraduates, numbered from 50 to 99; and (b) such courses among those for advanced undergraduates as have no prerequisites other than Junior or Senior standing.

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 through lectures by instructors, and reports, papers, and written exercises by members of the class. (AXTELL)

51-52 The Middle Ages 3 credits Each semester
European History from the German invasions to the downfall of the feudal system. Contributions of the classical, the Christian, and the Saracen civilizations. (CHURCH)

53-54 Modern Europe 3 credits Each semester
The evolution of the modern state system and of international relations through the break-up of the Concert of Powers. (Not given 1933-34.) (CHURCH)

57-58 English Constitutional History 2 credits Each semester
English History with special reference to the parliamentary system of government from Magna Carta to the modern cabinet. (RETHERFORD)

For Advanced Undergraduates and Graduates

103 Renaissance and Reformation 3 credits First semester
The development of literature and art, the revival of science, the age of discovery, the undermining of the church by the new critical spirit. 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. Prerequisite: Hist. 103. (CHURCH)

105-106 Recent Times 3 credits Each semester

A study of the European nations from about 1870, with special 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. Prerequisite: Hist. 1-2, or 21-22. (CHURCH)

107-108 English History 3 credits Each semester

Evolution of the Anglo-Saxon element in American civilization. The political, economic, and cultural factors are correlated with special attention to the needs of English majors. (RETHERFORD)

131 Historical Method 2 credits First semester

A course preparatory to historical research and to the teaching of History. The nature of sources and authorities, of internal and external criticism, of the auxiliary sciences, of bibliographies and other repositories of historical material. (CHURCH)

132 Pro-Seminar 2 credits Second semester

Continuation of Hist. 131. Study of simple selections of source material with the object of discovering their content and meaning, and using them in practical exercises in the outlining and presentation of historical topics. (CHURCH)

134 Teaching of History 2 credits Second semester

Designed for students expecting to teach History in the secondary schools. Methods of approach and the critical examination of textbooks. (RETHERFORD)

135-136 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 among Europe, England, and the United States. (RETHERFORD)

141-142 French Civilization 2 credits Each semester

French history in outline, with particular emphasis upon the cultural elements in art, literature, science, and philosophy, and their influence upon modern civilization. (HOWE)

151-152 German Civilization 2 credits Each semester

German history, with emphasis upon the relation of German culture to that of Europe in general and England in particular.

161-162 Spanish Civilization 2 credits Each semester

A brief study of the various civilizations which went to the building-up of Spanish culture; their fusion in Spain; and their spread throughout the world, particularly America. (HOWE)

Primarily for Graduates

201-202 Seminar 3 credits Each semester

Subject for 1933-34 is "The Era of Napoleon III." (CHURCH)

203-204 Research 3 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, RETHERFORD)

FORESTRY

Professors MILLER and HUBERT, Associate Professor JAHN, Assistant Professor SOWDER, Mr. SPENCE, Mr. MILLER, Mr. OTTER*

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)

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. Text: Sargent's *Manual of the Trees of North America.* Prerequisite: Bot. 1-2. (SPENCE)

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. (SPENCE)

22 Forest Resources of the World 2 credits Second semester

Geographic distribution and character of the forests, and the forest situation in the different timber-producing countries. Two lectures a week. (OTTER)

23 Foundations of Silviculture 3 credits First semester

Effects of the environment upon tree growth and the reaction of the forest vegetation upon the environment. Forest types, succession, the stand, and the tree as an individual are considered. Two lectures and one field or laboratory period a week. Text: Toumey's *Foundations of Silviculture.* Prerequisites: Bot. 1-2 and For. 10. (OTTER)

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. Text: Toumey's *Seeding and Planting in the Practice of Forestry.* Prerequisite: For. 23. (OTTER)

28 Farm Forestry 2 credits Second semester

Identification of farm forest trees, planting and care of farm woodlots, shelterbelts, windbreaks, and ornamental trees; preservation of fence posts, use, and marketing of farm forest products; principles and practice of log scaling and timber cruising as applied to farm woodlots. Two lectures a week. Especially for agriculture students but open to students in other departments. (SOWDER)

53 Recreational Uses of the Forest 3 credits First semester

Recreation in the national forests, national parks, and state parks with a consideration of fish and game in relation to recreation. Three lectures a week. Open to students in other departments. (SPENCE)

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. (OTTER)

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*On leave of absence, 1932-33.

For Advanced Undergraduates and Graduates

120 Junior Field Trip 1 credit Second semester

This course is given the last two weeks of the Junior year and is conducted at the Priest River Forest Experiment Station. (SOWDER)

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. (OTTER)

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 Text: Record's *Economic Woods of the U.S.* Prerequisites: For. 10 and Phys. 1. (SPENCE)

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's *Mechanical Properties of Wood.* Prerequisites: Phys. 1 or 2; For. 10 and 131.

133 Forest Products 3 credits First semester

Introduction to the chemistry of wood; the chemical utilization of wood and the utilization of the forest for products other than lumber. Two lectures and one laboratory period a week. Prerequisites: Bot. 1-2; Chem. 1-2; For. 131. (JAHN)

136 Seasoning and Preservation of Wood 3 credits Second semester

Principles and practices, methods, equipment and costs. Two lectures and one laboratory period a week; laboratory work includes inspection trips to nearby plants. Prerequisites: Phys. 3-4; Chem. 1-2; For. 131, 133 and 163. (OTTER)

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.* (OTTER)

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. (OTTER)

151 Range Industry 3 credits First semester

Grazing history and policy, pasture and range revegetation, improvement and management of pasture lands, poisonous plants, improvements, economics of grazing. Open to non-forestry students. Three lectures with reading assignments, problems and reports. Text: Sampson's *Range and Pasture Management.* (SPENCE)

152 Range Management 3 credits Second semester

Range reconnaissance, inspection, research, management plans, palatability, classification and types of native forage plants. Problems and reports. Two lectures and one laboratory. Text: Sampson's *Range Pasture Management and Native Forage Plants.* Prerequisites: For. 151 and Bot. 53. (SPENCE)

153-154 Forest Mensuration 3 credits Each semester

First semester: log rule construction, principles and practice of log scaling, graphical analysis, alinement charts and statistical methods used in forest mensuration. Second semester: volume table construction, principles and practice of timber estimating. Two lectures or recitations and one laboratory period a week. Text: Chapman and DeMeritt *Elements of Forest Mensuration.* Prerequisites: C.E. 3 and 4. (SOWDER)

155-156 Forest Management 4 credits First semester
3 credits Second semester

A course dealing with the most approved methods of forest administration, regulation, working plans, and practices of the various states and the federal government. Prerequisites: For 153-154. (MILLER)

157 Forest Mensuration 3 credits First semester

Principles and practice of growth studies; construction and application of yield tables; coordination of growth studies with forest surveys. Two lectures or recitations and one laboratory period a week. Text: Chapman and DeMeritt *Elements of Forest Mensuration.* Prerequisites: For 153-154. (SOWDER)

163 Forest Pathology 3 credits First semester

History, principles, and practices of 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. Two lectures and one laboratory period a week. Prerequisites: For. 131 and Bot. 1-2. (HUBERT)

171 Logging 3 credits First semester

Methods of logging and transportation systems used in various regions, with special reference to sustained forest growth, costs of operation, out-put studies, stumpage appraisals, and timber sale contracts. Three lectures or recitations with occasional field trips and reports. Text: Bryant's *Logging.* (SOWDER)

172 Lumber Manufacture and Distribution 2 credits Second semester

Important lumber statistics; equipment and operation of sawmills; close utilization, distribution, and transportation of forest products; markets and lumber prices. Two lectures or recitations and several field trips to nearby mills, and reports. Text: Bryant's *Lumber.* (SOWDER)

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. (STAFF)

181-182 Pro-Seminar 2 credits Each semester

Conferences on forest matters, more particularly important phases of forest legislation and the trend of forestry development. Open only to advanced or Graduate students. Hours to be arranged. (MILLER, SOWDER, SPENCE, OTTER)

192 Forest Research Methods 2 credits Second semester

Choosing, outlining, planning, and completing for publication a forest research project. Includes history of forest research; existing agencies, selection of problem, its variables; statistical methods; method of checking; preparation of tables and illustrations; preparation and reviewing of the manuscript. For advanced undergraduates. Prerequisites: Math. 1; Chem. 1; For. 23, 131, and 153. (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 192. (SPENCE)

231 Wood Technology 2 credits First semester

Problems, reading, and reports. Microtechnique of woods; staining; sectioning; and study methods used. Photomicrography of wood sections. One seminar or lecture and one laboratory a week. Prerequisites: For. 131 and 192. (SPENCE)

255 Forest Management 2 credits First semester

Special field problems in forest management. (MILLER)

261-262 Wood Chemistry 1 credit Each semester

Laboratory work in wood analysis together with directed reading in polysaccharide and wood chemistry. Prerequisites: Chem. 51-52 and 101-102; For. 131. (JAHN)

263 Advanced Forest Pathology 1 credit First semester

Advanced work in field methods and laboratory technique in preparation for intensive studies of tree diseases and diseases of wood products. Prerequisites: Bot. 1-2, For. 131 and 163. (HUBERT)

281-282 Research in Forestry Credits to be arranged Each semester

Facilities and instruction are offered in graduate research work in a variety of forest subjects, covering both field and laboratory problems. Instruction is given in research methods, preparation of the working plan, methods of presentation, 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. (STAFF)

283-284 Forest Research Seminar Credits to be arranged Each semester

The review of recent literature on particular phases of forest research correlated with the graduate thesis problem. Individual problems of technique; or research into minor problems relating to the major thesis problem. Credits based on the type of problem and the amount of work involved. For Graduate students only. (STAFF)

French

(See under *Modern Languages*)

GEOLOGY

Professors LANEY, FINCH, ANDERSON, and LIVINGSTON, Assistant Professor STALEY

Primarily for Undergraduates

1 Introductory Geology 4 credits Either semester

An informational course for the non-technical student, and designed to be a foundation for additional geological study by the technical student. Three hours of lecture and recitation, and one laboratory period each week. (LANEY)

2 Historical and Physical Geology 4 credits Second semester

A course planned to articulate with the introductory course, but in no way to duplicate it. The two give the students a thorough understanding of the fundamental principles and facts of general geology. Three hours of lecture, recitation, and readings, and one laboratory period each week. Prerequisite: Geol. 1 or equivalent. (LANEY)

11 General Geography 4 credits First semester

A study of the character and distribution of the elements of natural environment, together with the human adjustments made to these elements. An introduction to the study of geographic regions of the world, with one laboratory period each week. (LIVINGSTON)

12 Economic Geography 3 credits Second semester

The relationship between geographical environment, climate, etc., and human activity, industry, and commerce. The geographical distribution of the natural resources of the world and the effect of this distribution upon national growth and trade activities. (LIVINGSTON)

53 General Mineralogy 3 credits First semester

A study of crystal systems and classes with emphasis on their use in mineral identification and of the more important physical properties of the common minerals, especially those characters useful in field recognition. One lecture and two three-hour laboratory periods a week. Prerequisites: Chem. 2 and Geol. 2. (ANDERSON)

54 General Mineralogy 3 credits Second semester

Determinative mineralogy with lectures and recitations upon the geologic occurrence, genesis, association, and alteration products of minerals. One lecture and two three-hour laboratory periods a week. Prerequisite: Geol. 53. (ANDERSON)

For Advanced Undergraduates and Graduates

101 Advanced Physiography 3 credits First semester

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

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 on the character and distribution of the rocks and the conditions attending their formation. Prerequisite: Geol. 101. (LIVINGSTON)

105 History of Science 3 credits Either semester

A brief review of events leading up to the initiation of the scientific age in the 17th century, followed by a history of the individual sciences to the discovery of the accepted natural laws of today, also the effect of these discoveries upon civilization and thought. Prerequisites: Junior standing and 4 credits of laboratory science. (LIVINGSTON)

108 Rock Minerals and Rocks 2 credits Second semester

A study of the rock-forming minerals and common rocks with emphasis upon identification from megascopic characters. Includes a study of the origin, structure, metamorphism, and the decomposition of rocks. One lecture and one three-hour laboratory period a week. Prerequisite: Geol. 2. (LIVINGSTON)

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 throughout geologic time; and the value of fossils in stratigraphic geology. Two lectures and one laboratory period a week. Prerequisite: Geol. 2. (LANEY)

116 Geography and Geology of Idaho 2 credits Second semester

Lectures, readings, slides, and maps dealing with physical, human, and economic geography and the stratigraphic, structural, igneous, and physiographic geology and mineral resources of the state. Prerequisite: Geol. 1-2. (LIVINGSTON)

123 Mineral Resources 3 credits First semester

A technical study of the mineral resources of the world, dealing with the character, distribution, and reserves of the important economic minerals, including discussions of their use and importance in our economic life; the costs of mining, transportation, smelting, and the labor necessary for the various processes. Prerequisite: Geol. 1. (LANEY)

130 Geological Field Methods 1 credit Second semester

Lectures and assigned readings on methods of geological field-work, note taking, and making of geological maps and reports, in preparation for the practical application of these principles in actual field-work. Prerequisites: Geol. 2 and C.E. 3a and 4. (LANEY)

131 Geological Field Methods 2 credits First semester

Three weeks' instruction, between August 25 and September 15 inclusive, upon the theory and use of instruments in topographic, geologic, and mining surveys, one credit; one three-hour laboratory period throughout the semester, preparing maps from field notes, reviewing literature upon field problems and writing reports, one credit. Prerequisite: Geol. 130. (LANEY)

141-142 Current Geologic Literature 1 credit Each semester

Reviews, reports, and critical study of current geological literature. Prerequisite: Geol. 2. (LIVINGSTON)

151 Geology of Non-Metalliferous Deposits 3 credits First semester

The nature, mode of occurrence, distribution, origin, and uses of the more important non-metallic mineral deposits, exclusive of petroleum. Prerequisite: Geol. 54. (ANDERSON)

152 Geology of Ore Deposits 4 credits Second semester

The origin, occurrence, and distribution of metallic mineral deposits. Laboratory practice in the interpretation of ore textures and in determination of mineral paragenesis, stressing especially the criteria used in classifying deposits. Prerequisites: Geol. 54 and Chem. 51. (FINCH, LANEY, ANDERSON)

153 Petroleum Geology 3 credits First semester

Stratigraphy and structure with reference to petroleum origin, migration, and accumulation; geology of the world's greatest oil fields; field methods used to locate oil and gas; view of the outstanding economic aspects of the industry. Prerequisites: Geol. 102 and Phys. 4 or 12. (FINCH, LIVINGSTON)

155 Mineragraphy 2 credits First semester

Application of the reflecting microscope to problems of geology, mineralogy, and metallurgy. Methods of preparation of polished sections of opaque minerals and metallurgical products, their identification and the interpretation of their structure under the microscope. Two three-hour laboratory periods a week. Prerequisites: Geol. 54 and Chem. 51. (LANEY)

161 Structural Geology 3 credits First semester

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. A review of the principles and theories of diastrophism. Prerequisite: Geol. 54 or 102. (ANDERSON)

162 Sedimentation 2 or 3 credits Second semester

Lectures to deal with the principles of sedimentation or the natural history of the sediments, two hours per week, two credits. Prerequisites: Geol. 54. Laboratory work to accompany the course, but optional with the student, one credit. Laboratory studies to consist of mechanical analyses of sediments, separation of heavy minerals, and examination of detrital grains together, with interpretation of data obtained as to the nature, origin, and mode of deposition of the sediments. Prerequisite: Geol. 54 and 163. (ANDERSON)

163 Optical Mineralogy 3 credits First semester

A study of optics as applied to the determination of minerals by the polarizing microscope and the identification of minerals in thin section and in fragments. One lecture and two three-hour laboratory periods a week. Prerequisites: Geol. 54 and Phys. 4 or 12. (ANDERSON)

164 Petrography 3 credits Second semester

A study of rock-forming minerals and rocks with the petropraphic microscope. Emphasis placed on the classification of rocks, especially the igneous and metamorphic, from mineralogical composition. One lecture and two three-hour laboratory periods a week. Prerequisite: Geol. 163. (ANDERSON)

190 Geophysical Prospecting 2 credits Second semester

A study of geophysical devices for locating mineral deposits. Magnetic, electrical, seismic, torsion balance, and geothermal methods, also those dependent upon radio-activity of matter. Prerequisites: Geol. 53-54, Phys. 3-4 or Phys. 11-12. (STALEY)

194 Geologic Thesis 2 credits Second semester

As this course will require field work in most cases, the student should consult instructors at the close of his Junior year. (DEPARTMENTAL STAFF)

Primarily for Graduates

201-202 Advanced Studies in Geography and Geology

2 to 4 credits Each semester

(a) Sedimentation, (b) Geologic Processes, (c) Mineral Deposits, (d) Structural Geology, (e) Economics of the Mineral Industry (in cooperation with the School of Business Administration), (f) Petrology, (g) Mineralogy, (h) Environmental Geography, (i) Economic Geography, (j) Soils (in cooperation with the College of Agriculture). These courses are open to students qualified to carry on profitably advanced studies in any of the fields specified. The work will consist of guided and closely supervised readings, work in laboratory or field, and regular conferences with the instructor. May be elected more than once to pursue different studies. (DEPARTMENTAL STAFF)

225-226 Geographic and Geologic Research in Specific Fields

Credits to be arranged Each semester

(a) Sedimentation, (b) Physiography, (c) Stratigraphy, (d) Geologic Structures, (e) Mineral Deposits, (f) Petrology, (g) Min-

eralogy, (h) Environmental Geography, (i) Economic Geography. In these courses there will be placed at the disposal of properly qualified students the working and instructional facilities of the whole department. Courses may be elected more than once to carry on different researches. (DEPARTMENTAL STAFF)

German

(See under *Modern Languages*)

Greek

(See under *Classical Languages*)

History

(See under *American History* and *European History*)

HOME ECONOMICS

Professor JENSEN, Associate Professor LEWIS, Assistant Professors SELL, and INGALLS; Miss FEATHERSTONE, Mrs. BUCHANAN, Miss THORNBER, Mrs. SOWDER
Assistant Professor PRICHARD

FOODS

Primarily for Undergraduates

4 Experimental Cookery 3 credits Second semester

Foods, their classification, composition and value in diet. Chemistry of cookery. Kitchens and their equipment. One lecture and two three-hour laboratory periods a week. Prerequisite: Chem. 1-2. (LEWIS)

For Advanced Undergraduates and Graduates

101 Selection and Preparation of Foods 3 credits First semester

Food preservation. Home projects. Seasonal problems. Nutritive values. One lecture and two three-hour laboratory periods a week. Prerequisites: Chem. 1-2, and H.Ec. 4. (LEWIS)

102 Marketing and Serving 3 credits Second semester

Problems in marketing and meal service. Nutritive values. Entertaining. Invalid cookery. School lunches. One lecture and two three-hour laboratory periods a week. Prerequisites: Chem. 54 and H.Ec. 101. (LEWIS)

103-104 Dietetics 3 credits Each semester

Processes concerned in growth, maintenance and repair; diets, computation of caloric values. Infant feeding, special diets in disease. Two one-hour periods and one three-hour period a week. Prerequisites: Chem. 54; H.Ec. 102; Zool. 6; and Bact. 51. (JENSEN)

HOME ECONOMICS RESEARCH

Primarily for Graduates

201-202 Research

(JENSEN)

HUMANICS

Primarily for Undergraduates

41 Problems in the Modern Home 2 credits First semester

Spending the income; the house furnishings; management problems; the food problem—cost, selection, relation to health; clothing—cost, selection, care; the child—establishment of desirable habits and attitudes. Two one-hour periods a week. Planned for students not majoring in Home Economics. (JENSEN)

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. 35 and Junior standing. (JENSEN)

136 The Family 2 credits Second semester
History of the family as a social and educational institution. Two lecture a week. Prerequisites: 6 credits Social Studies and H.Ec. 135. (JENSEN)

TEXTILES AND CLOTHING

Primarily for Undergraduates

23 Textiles 2 credits Second semester
History and development of textiles with viewpoint of consumer. One lecture and one two-hour laboratory period a week. (INGALLS)

24 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. One lecture and two three-hour laboratory periods a week . Prerequisite: H.Ec. 23. (INGALLS)

65 Costume Design 2 credits First semester
A study of the application of art principles 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. (FEATHERSTONE)

For Advanced Undergraduates and Graduates

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. 24 and 65. (INGALLS)

106 Dressmaking and Millinery 2 credits Second semester
Designing and draping of more difficult garments. Types of decoration. Designing of felt and fabric hats. Hat renovation problems. Two three-hour periods a week. Prerequisite. H. Ec. 105. (INGALLS)

166 Historic Costume 2 credits First semester
A comprehensive study of historic and national costume to develop knowledge and appreciation essential for designing of clothing and costuming for pageants and plays. Two three-hour periods a week. Prerequisite: H.Ec. 65. (FEATHERSTONE)

ART

Primarily for Undergraduates

11n-12 Art Structure and Design 2 credits Each semester
Study of principles of line, dark and light and color. Applied design. Two three-hour periods a week. Credit for H.Ec. 11 will not be given until after completion of H.Ec. 12. (FEATHERSTONE)

THE HOUSE

Primarily for Undergraduates

82 House Construction 2 credits Second semester
Problems involved in designing a house; the plan; the interior and exterior design; building materials; and methods of construction. Three one-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 furniture. Emphasis on the planning and decoration of the modern American house. Two two-hour periods a week with outside work. Prerequisite: H.Ec. 12. (FEATHERSTONE)

144 Advanced Interior Decoration 2 credits Second semester

A concentrated study of the colonial and modern American house. Actual problems in decorating a house or room. Two three-hour periods a week. Prerequisite: H.Ec. 141 (FEATHERSTONE)

HOUSEHOLD ADMINISTRATION

Primarily for Undergraduates

35 Home Nursing 2 credits Second semester

Personal hygiene; the general care of the sick; emergencies and first aid to the injured. Two two-hour periods a week, with outside work. Open to Freshmen and Sophomores. (BUCHANAN)

131 House Management and Sanitation 2 credits Second semester

Organization of the household. Two lectures a week. Open to Juniors and Seniors. Prerequisite: H.Ec. 82. (LEWIS)

138 Institutional Administration 4 credits Second semester

Management and practice applied to institutional administration. Prerequisite: H.Ec. 102 and 131. (JENSEN)

133 Practice Cottage 2 credits Either 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)

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. Prerequisites; 6 credits in Education, H.Ec. 24, 101, 35, and 65. (SELL)

153 Methods in Related Art and Science 2 credits First semester

Scientific principles applied to solution of problems arising in vocational Home Economics. Principles and problems in teaching related art in addition to art principles applied to costume design and interior decoration. Two lectures a week. Prerequisite: H. Ec. 152. (SELL, FEATHERSTONE)

155 Methods for 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. Prerequisite: H.Ec. 152. (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. Four weeks. Prerequisites: H.Ec. 152, and 105. (SELL, THORNBER, SOWDER, JENSEN)

HOME ECONOMICS FOR B.A. STUDENTS

Primarily for Undergraduates

1 Cooking and Serving (B.A.) 2 credits First semester
For students not registered in Home Economics. This will include the preparation of food and serving of meals. Two three-hour laboratory periods a week. (LEWIS)

21-22 Clothing (B.A.) 2 credits First semester
For students not registered in Home Economics. Practice in cutting, making, and remodeling of garments, including selection and care of clothing. Two three-hour laboratory periods a week. (INGALLS)

32 The House (B.A.) 2 credits Second 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. Two lectures a week. (FEATHERSTONE)

HORTICULTURE

Professor VINCENT, Assistant Professor TUCKER, 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. Freshman year. Three lectures and one three-hour laboratory period a week. (VINCENT, TUCKER)

56 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. One recitation and one three-hour laboratory period a week. (VINCENT, ASHLEE)

60 Landscape Gardening 3 credits Second semester
Elementary principles underlying the use of plants for beautifying private and public gounds. Two lectures and one three-hour laboratory period a week. (TUCKER)

For Advanced Undergraduates and Graduates

100 Vegetable Gardening 2 credits Second semester
Study of the classification, culture requirements, handling, and storage of vegetables, with special emphasis on the home garden. One lecture and one three-hour laboratory period a week. Prerequisite: Hort. 2 or equivalent. (TUCKER)

101-102 Practical Pomology 3 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 lectures and one three-hour laboratory period a week. (VINCENT)

103 Systematic Pomology 2 credits First semester
The description, nomenclature, and classification of the common fruits. Practice in fruit judging and displaying. Lectures, reference reading, and laboratory. Junior year. One lecture and one three-hour laboratory period a week. Prerequisite: Hort. 2. (VINCENT)

104 Truck Gardening 2 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. One lecture and one recitation a week. Junior year. Prerequisite: Hort. 100 or equivalent. (TUCKER)

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 of by-products. Three lectures a week. Senior year. (VINCENT)

106 Spraying 2 credits Second semester

History, materials, apparatus, and various methods employed in combating insects and fungi; also the effects of the various sprays upon different plants. Practice in the College orchard. One lecture and one three-hour laboratory period a week. Prerequisites: Ent. 51 and P. P. 101. (TUCKER)

108 Landscape Design and Plant Materials 3 credits Second semester

A systematic study of trees, shrubs, and flowers most used in landscape gardening. Collateral reading on landscape theory and design. Two lectures and one three-hour laboratory period a week. Prerequisite: Hort. 60. (VINCENT)

109 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. Prerequisite: Hort. 56 or 2. (VINCENT)

110 Improvement of Horticultural Plants 2 credits Second semester

Theories of the requisites for plant improvement. Lectures, reference reading, and laboratory work. Two lectures a week. Prerequisites: Hort. 2 and Agron. 101. (TUCKER)

111-112 Practicums 2 credits Each semester

A course designed especially to prepare students for positions as orchard, greenhouse, and nursery foremen, horticultural advisers, consulting horticulturists, and orchard inspectors. Two three-hour laboratory periods a week. Elective in Senior year. Prerequisites: Hort. 2 and 101-102. (VINCENT, TUCKER)

113-114 Thesis and Pro-Seminar 2 credits Each semester

Advanced problems in Horticulture. Senior year. (VINCENT)

116 Potato Culture 2 credits Second semester

A course designed to meet the needs of those who desire to grow potatoes on a commercial scale. The subjects considered are: 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. (VINCENT)

118 Storage and Preservation of Horticultural Products

2 credits Second semester

A study of the mehods of preservation and storage requirements of various horticultural products, special emphasis being placed upon respiration, ripening, preservation, and breakdown of these products. One lecture and one recitation weekly. Prerequisites: Hort. 2, Bact. 51, P.P. 101 and Organic Chem. or equivalent. (TUCKER)

Primarily for Graduates

201-202 Advanced Pomology 3 credits Each semester
Summary of horticultural research. (VINCENT AND TUCKER)

203-204 Experimental Horticulture 3 credits Each semester
Studies of special problems in methods of research. (VINCENT AND TUCKER)

207-208 Research Credits to be arranged Each semester
(VINCENT AND TUCKER)

211-212 Seminar 1 credit Each semester
(VINCENT AND TUCKER)

Journalism

(See under *English*)

Latin

(See under *Classical Languages*)

LAW

Professors MASTERSON and HOWARD, Associate Professor HOPKINS and Assistant Professor PITTMAN.
Messrs. AILSHIE, OPPENHEIM and GOFF, Special Lecturers

FIRST YEAR

(Required)

101n-102 Contracts 3 credits Each semester
Williston's *Cases on Contracts* (3rd Ed.). (MASTERSON)

105n-106 Criminal Law and Procedure 3 credits First semester
2 credits Second semester
Waite's *Cases on Criminal Law and Procedure.* (HOWARD)

109 Civil Procedure 4 credits First semester
Magill's *Cases on Civil Procedure* (2nd Ed.). (HOPKINS)
Morgan's *Introduction to the Study of Law.*

111 Property I (Personal Property) 3 credits First semester
Bigelow's *Cases on Property* (3rd Ed.). (*Personal Property*) (PITTMAN)

112 Property II (Rights in Land) 3 credits Second semester
Bigelow's *Cases on Property* (*Rights in Land*). (PITTMAN)

116 Torts 5 credits Second semester
Green's *The Judicial Process in Torts Cases.* (HOPKINS)

SECOND AND THIRD YEARS

***201n-202 Equity** 3 credits Each semester
Cook's *Cases on Equity* (One volume Ed.). (PITTMAN)

203 Persons 2 credits First semester
Madden's *Cases on Domestic Relations.* (PITTMAN)

***207 Evidence** 4 credits First semester
Maguire's Edition of Thayer's *Cases on Evidence.* (HOWARD)

***211 Property III (Wills and Administration)** 2 credits First semester
Mechem and Atkinson *Cases on Wills and Administration.* (HOPKINS)

***212 Property IV (Titles)** 2 credits Second semester
Aigler's *Cases on Property* (*Titles to Real Property*) (2nd Ed.). (HOPKINS)

*Not given in 1933-34.

***214 Agency** 2 credits First semester
Keedy's *Cases on Agency.* (MASTERSON)

***218 Bills and Notes** 3 credits Second semester
Campbell's *Cases on Bills and Notes.* (PITTMAN)

***221n-222 Sales** 2 credits Each semester
Williston and McCurdy's *Cases on Sales.* (MASTERSON)

232 Code Pleading 3 credits Second semester
Throckmorton's *Cases on Code Pleading.* (HOPKINS)

233 Credit Transactions 4 credits First semester
Sturges' *Cases on Credit Transactions.* (HOPKINS)

251 Constitutional Law 4 credits First semester
McGovney's *Cases on Constitutional Law.* (HOWARD)

254 Private Corporations 4 credits Second semester
Warren's *Cases on Corporations.* (MASTERSON)

256 Conflict of Laws 4 credits Second semester
Lorenzen's *Cases on the Conflict of Laws.* (HOWARD)

257-258 Trusts 2 credits Each semester
Scott's *Cases on Trusts* (2nd Ed.). (PITTMAN)

262 Partnership 3 credits Second semester
Crane's and Magruder's short selection of *Cases on the law of Partnership.* (PITTMAN)

***263-264 Public Utilities** 2 credits Each semester

271 International Law 2 credits First semester
Hudson's *Cases on International Law.* (MASTERSON)

281-282 Research 2 credits Each semester
Open to Seniors only by special permission of the law faculty.

292 Mining Law no credit
(AILSHIE)

***294 The Law of Water** no credit
(OPPENHEIM)

296 Office Practice no credit
(GOFF)

MATHEMATICS

Professor TAYLOR, Assistant Professor BENDER, Mr. BUNCH, Mr. WYMER

Credits in elementary courses in mathematics may be counted toward the degree in Senior College curricula.

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 and the School of Forestry. Math. 1 is required of students in the Pre-Medical Curriculum. (BENDER, BUNCH, WYMER)

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. Re-

*Not given in 1933-34.

quired of Freshmen in the College of Engineering. (BENDER, BUNCH, WYMER)

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, BUNCH)

51-52 Calculus* 4 credits Each semester

Fundamental processes and applications of differential and integral calculus. Prerequisites: Math 1-2 or 11-12. (TAYLOR, BENDER, BUNCH, WYMER)

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 credits 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 algebra and geometry. Aims and methods in teaching 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)

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)

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

MECHANICAL ENGINEERING

Professor GAUSS, Mr. CRUIKSHANK, Mr. SCHROEDER

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. Prerequisite: M.E. 2.

4 Foundry 3 credits Second semester

Exercises in pattern making and foundry work, including moulding, core making, operation of the cupola and crucible furnaces. One lecture and six hours in shop. Prerequisite: M.E. 3.

5 Machine Drawing 2 credits First semester

The making of shop drawings, both details and assemblies. One recitation and three hours in drafting room. Prerequisite: C.E. 1-2.

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; and the various means of producing changes of velocity. Two recitations and three hours in drafting room. Prerequisite: C.E. 1 and 2.

For Advanced Undergraduates and Graduates

121 Thermodynamics I 3 or 4 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; steam turbines; gas engines. Prerequisites: Phys. 11-12 and Math. 51-52.

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. Prerequisite: M.E. 121.

123 Aerodynamics I 3 credits First semester

Introductory course. Airplane construction, instruments, controls, and accessories. Airways, aviation, commercial application. Prerequisite: Junior standing.

124 Machine Design 2 credits Second 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: C.E. 101, C.E. 103; M.E. 5 and 13.

125 M.E. Design 2 credits First semester
The student selects and designs an approved machine. Complete computations are made and detail and assembly drawings prepared. Prerequisite: M.E. 124.

127 Mechanical Engineering Laboratory (Gas) 2 credits First semester
A course designed to demonstrate the theories and principles used in practice. Fuel consumption and efficiencies, carburetion, ignition, valve mechanisms, governing, the effect of compression and lubricating oils. Six hours in laboratory. Prerequisites: M.E. 121 and 128.

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. Prerequisite: M.E. 121.

129 Aerodynamics II 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. Specifications, cost of power, fuels, steam boilers, conveying systems, draft, feed water treatment and pumps. Prerequisites: M.E. 121, 122, 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 Pro-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 III 3 credits First semester
A continuation of M.E. 122. Prerequisite: M.E. 122.

142 Airplane Engines 2 credits Second semester
The design and operation of airplane engines. A study of the various types and their application 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. 124.

154 Mechanical Engineering Problems 2 or 3 credits Either semester
Practical problems suitable for undergraduate work. Prerequisite: Senior standing.

Primarily for Graduates

201-202 Seminar 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 Research 1 credit Each semester

Subjects for investigation and group discussion will be selected in some field of special activity.

METALLURGY

Professor FAHRENWALD, Assistant Professor STALEY, Mr. LUNDQUIST, Mr. NEWTON

For Advanced Undergraduates and Graduates

102 General Metallurgy 2 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. Prerequisites: Phys. 3-4 or 11-12 and Chem. 1-2. (FAHRENWALD)

103 General Metallurgy (Laboratory) 1 credit First semester

Laboratory work. Prerequisite: Met. 102. (FAHRENWALD)

104 Fire Assaying 1 credit Second semester

Lectures. Prerequisites: Chem. 1-2. (LUNDQUIST)

105 Fire Assaying (Laboratory) 2 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 six-hour laboratory period. Prerequisite: Met. 104. (LUNDQUIST)

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 and Phys. 3-4 or 11-12. (FAHRENWALD, NEWTON)

109-110 Metallurgical Calculations 1 credit Each semester

Thermochemistry of roasting and smelting; calculations of furnace charges; heat balance sheets; electrothermic reactions; buying and selling ores and metallurgical products. Prerequisites: Met. 102 and 115-116. (FAHRENWALD, NEWTON)

111 Ore Dressing 2 credits First semester

General principles of ore dressing. The flotation process. Flow sheets of typical concentrators. Testing of ore to determine proper method of treatment, using small and large machines; cyaniding gold and silver ores. Two lectures and two three-hour laboratory periods. Prerequisites: Phys. 3-4 or 11-12 and Chem. 51-52. (FAHRENWALD)

112 Ore Dressing (Laboratory) 2 credits Second semester

Laboratory work. Prerequisite: Met. 111. (FAHRENWALD)

115-116 Non-Ferrous Metallurgy 2 credits Each semester

Sampling and preparation of ores for metallurgical treatment, pyrometallurgy and hydrometallurgy of gold and silver ores and ores of copper, lead, zinc, nickel and other base metals; flotation and smelting, amalgamation, cyaniding, and chlorination of gold-silver ores. (FAHRENWALD)

196 Thesis 2 credits Second semester

Study may be started at any time after the close of the Junior year. An acceptable thesis must be submitted as a requirement for graduation. (FAHRENWALD, STALEY)

Primarily for Graduates

201-202 Metallurgical Investigation

Credits to be arranged Each semester

Laboratory work on problems in the metallurgical treatment of gold, silver, copper, lead, or zinc ores. (FAHRENWALD, STALEY, NEWTON)

MILITARY SCIENCE AND TACTICS

Brigadier General CHRISMAN, Captain HENKLE, Captain HALE, First Lieutenant SHEEHY, Band Leader NIELSEN, First Sergeant WOODS, Sergeant 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 the U.S. Army Regulations, 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 and efficiency. Upon graduation the student may elect to be commissioned in the Officers' Reserve Corps of the army.

ORGANIZATION.—For purposes of administration and training, 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.—Reserve Officers' Training Corps Camps for the Ninth Corps Area are established by the government each year, extending from about June 15 to July 27. Attendance is free from expense on the part of the student. It is required for advanced course students, normally at the completion of the Junior year.

RIFLE TEAMS.—The Department of Military Science and Tactics trains rifle teams of men and women students, both of which compete telegraphically with similar teams of other institutions.

MILITARY BAND.—A band of 65 pieces is maintained as part of the R.O.T.C. course. Membership is normally composed of basic course students. Selected juniors and seniors may continue training in advanced military band leadership and practice on the basis of three credits a semester, not to exceed six credits in addition to basic credits previously earned in the band.

BASIC COURSE

REQUIRED.—Three hours a week of all able bodied citizen male students in the Freshman and Sophomore classes, and of those who are special students.

First Year

1-2 Military Science 1½ credits Each semester
Theoretical, 22 hours; practical, 78 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.

1a-2a First Year Military Band 1½ credits Each semester
Theoretical, 10 hours; practical, 90 hours.
Leadership; band music; concert music.

Second Year

3-4 Military Science 1½ credits Each semester
Theoretical, 30 hours; practical, 70 hours.
Same subjects as in Mil. 1-2 (continued). Musketry. Scouting and patrolling. Automatic rifle. Combat principles.

3a-4a Second Year Military Band 1½ credits Each semester
Continuation of 1a-2a.

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 as a cadet officer during his second year in the advanced course and will be appointed a non-commissioned officer during the first year thereof. Advanced course students will receive cash allowances amounting to more than $260 for the two years and from this allowance will be furnished a complete officer's uniform for use when commissioned as a reserve officer.

Third Year

105-106 Military Science 3 credits Each semester
Theoretical, 75 hours; practical, 92 hours.
Drill and command. Infantry weapons. Military sketching and map reading. Machine guns. Combat principles. Military history. 37mm. gun and three-inch trench motar.

105a-106a Third Year Military Band 3 credits Each semester
Theoretical, 20 hours; practical, 147 hours.
Leadership; military band music; concert music; solo work.

Fourth Year

107-108 Military Science 3 credits Each semester
Theoretical, 96 hours; practical, 71 hours.
Drill and command. Company administration. Military history. Tactics. Military law and R.O. regulations. Rules of land warfare. Military field engineering. Combat principles.

107a-108a Fourth Year Military Band Credits arranged Each semester
Continuation of 105a-106a.
No more than 12 credits may be earned in Military Band during the four years.

MINING

Professors FINCH, FAHRENWALD, and LANEY, Assistant Professor STALEY

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 an introduction to the more important metallurgical operations. Planned for Freshmen in the School of Mines and for others who desire a general acquaintance with our mineral resources and their utilization. One lecture each week. (DEPARTMENTAL STAFF)

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, and Phys. 1. (STALEY)

103 Mine Plant Design 3 credits First semester

The student designs a plant and machinery for a hypothetical mine. Prerequisites: Phys. 121-122. (STALEY)

105 Mining Economics 2 credits First semester

Mine sampling and valuation; calculation of value of ore from widths and assays; probable and prospective ore; capitalization; amortization; costs of production; cost-keeping; the more important aspects of mining law; essential features of reports by mining engineers. Prerequisite: Geol. 54. (STALEY)

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; underground traverses; note-books and office records; maps, stope surveying, calculation of tonnage extracted. Calculation and reduction of notes from a mine survey and plotting by coordinates. Claim surveying. Prerequisite: C.E. 3a-4. (STALEY)

107 Mine Surveying 2 credits First semester

Three weeks' field instruction, August 25 to September 15 inclusive, meridian observations, triangulation control, locating claim boundaries, underground surveys, one credit; office work computing field notes, drawing maps, and sections; one three-hour period throughout semester, one credit. Prerequisite: Min. 106. (STALEY)

108 Mine Rescue and First Aid 1 credit Second semester

This course is given in cooperation with the U. S. Bureau of Mines, the mine rescue car visiting Moscow for this purpose. (STALEY)

112 Mining Methods 3 credits Second semester

Various methods of underground mining are taken up. Stoping, slicing, cut and fill, room and pillar, and block caving methods are discussed along with the choice of method and the combination of these various methods. Three lectures. Prerequisite: Min. 101. (STALEY)

198 Thesis 2 credits Second semester

Study may be started at any time after the close of the Junior year. An acceptable thesis must be presented as a requirement for graduation. (FAHRENWALD, STALEY)

Primarily for Graduates

201-202 Mining Research Problems Credits arranged Each semester

Special problems and investigations in mining methods, mining machinery, equipment and design. (FAHRENWALD, STALEY)

MODERN LANGUAGES

Professors ELDRIDGE and SARGENT, Associate Professors TROMANHAUSER and HOWE, Assistant Professors ASHBY, and RENTFRO, Mr. BEATTIE
Professor CHURCH

Credits in elementary courses in foreign languages may be counted toward a degree in Senior College curricula.

FRENCH

Students who present two years of high school French for admission will continue in Fr. 13-14. Those who have had one year of high school French may take Fr. 2, but in many cases it will be advisable to register for Fr. 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 Fr. 1 until Fr. 2 is completed.

Primarily for Undergraduates

1n-2 Elementary French 4 credits Each semester
(RENTFRO, BEATTIE)

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: Fr. 1n-2, or two years of high school French. (SARGENT, BEATTIE)

15-16 Scientific French 3 credits Each semester

A special reading course open only to students majoring in Science. A French scientific reader and collateral reading in French scientific journals. Prerequisite: Fr. 1n-2. (HOWE)

21-22 Advanced Sophomore French 2 credits Each semester

Open to Sophomores only. Prerequisite: Fr. 13-14. (BEATTIE)

For Advanced Undergraduates and Graduates

111-112 Advanced Composition and Conversation
2 credits Each semester

A thorough study of advanced grammar and composition. Constant drill in conversation. Prerequisite: Fr. 13-14. (BEATTIE)

115-116 Advanced Scientific French 1 to 2 credits Each semester

Directed reading in scientific French, open to those who have had Fr. 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 Fr. 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: Fr. 13-14. (BEATTIE)

141-142 The Seventeenth Century 3 credits Each semester
After a preliminary study of the period, a considerable number of the masterpieces of Corneille, Moliere, and Racine are read. Prerequisite: Fr. 13-14. (ELDRIDGE)

145-146 Contemporary Literature 3 credits Each semester
An intensive reading course with accompanying lectures on recent French literary productions. Reading will be in French for those pursuing the French curriculum; in English translations for others. Prerequisite: Senior College standing. (BEATTIE)

161-162 Directed Reading 1 to 3 credits Each semester
Prerequisite: Completion of two or more advanced class-courses in French. Not intended as a substitute for such courses, but as a supplement to them. Written permission of the Head of the Department required. (DEPARTMENTAL STAFF)

191 Methods in Teaching French 2 credits First semester
Thorough drill in phonetics and pronunciation. Consideration of methods of teaching and examination of texts and courses of study. Practice teaching and observation. Prerequisite: Fr. 13-14, and at least one course in literature. (SARGENT)

Reading in European Literature 2 credits Each semester
See English 175-176.

History of French Civilization 2 credits Each semester
See European History 141-142.

Primarily for Graduates

201-202 Old French 3 credits Each semester
Readings and interpretation of Old French texts selected from Constans: *Chrestomathie de l'Ancien Francais,* with a study of Old French phonology and morphology. (ELDRIDGE)

221-222 The Literature of the Renaissance 3 credits Each semester
A study of the literature of the French renaissance and the beginnings of classicism. Individual study and reports; lectures; class study of selected texts. (HOWE)

261-262 French Seminar 2 to 4 credits Each semester
(ELDRIDGE)

271-272 Research 2 to 4 credits Each semester
(DEPARTMENTAL STAFF)

GERMAN

Students who present two years of high school German for admission will continue in Ger. 13-14. Those who have had one year of high school German may take Ger. 2, but in many cases it will be advisable to register for Ger. 1 in review, without credit for one semester. No credit is given for Ger. 1 until Ger. 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, ASHBY)

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: Ger. 2, or two years of high school German. (ELDRIDGE)

15-16 Scientific German 3 credits Each semester
A special course in scientific German, open to those who have completed Ger. 13-14 and to others by special permission. A science reader, followed by reading in scientific journals and short monographs. Separate sections for Chemistry and Pre-Medical students. (TROMANHAUSER, ASHBY)

For Advanced Undergraduates and Graduates

111-112 Advanced Composition and Conversation 2 credits Each semester
Prerequisite: Ger. 13-14. (TROMANHAUSER)

115-116 Advanced Scientific German 1 to 2 credits Each semester
Directed reading in scientific German, open to those who have had Ger. 15-16 and to others by special permission. Forty-five hours of reading per credit and weekly reports to the instructor. (ASHBY)

121-122 Survey of German Literature 3 credits Each semester
Selected readings, reports, and lectures. Robertson's *History of German Literature, Thomas' Anthology.* Prerequisite: Ger. 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* or *Don Carlos, William Tell, Die Braut von Messina,* and the *Wallestein* complete. Prerequisite: Ger. 13-14. (TROMANHAUSER or ELDRIDGE)

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 or ASHBY)

147-148 Modern Drama 2 credits Each semester
Reading and discussion of representative dramas from 1890 to the present. Course conducted chiefly in German. (SARGENT)

161-162 Directed Reading 1 to 3 credits Each semester
Prerequisite: Completion of two or more advanced class-courses in German. Not intended as a substitute for such courses but as a supplement to them. Written permission of the Head of the Department required. (DEPARTMENTAL STAFF)

Readings in European Literature 2 credits Each semester
See Eng. 175-176.

History of German Civilization 2 credits Each semester
See European 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 Henrich;* the *Nibelungenlied;* selected poems of

Walter von der Vogelweide; and selections from Wolfram von Eschenbach's *Parzival.* (ELDRIDGE)

271-272 Research 2 to 4 credits Each semester
(DEPARTMENTAL STAFF)

ITALIAN

Primarily for Undergraduates

1-2 Elementary Italian 3 credits Each semester
The essentials of Italian grammar, with constant practice in pronunciation, simple translations from English into Italian, and the reading of easy Italian. (CHURCH)

OLD NORSE

101-102 Old Norse (Icelandic) 3 credits Each semester
Prerequisite: Ger. 1-2, or Eng. 131. (ELDRIDGE)

SPANISH

Students who present two years of high school Spanish for admission will continue in Span. 13-14. Those having one year of high school Spanish may take Span. 2, but often it will be better to take Span. 1 in review, without credit for one semester. No student may elect Fr. 1 and Span. 1 the same year. No credit is given for Span. 1 until Span. 2 is completed.

Primarily for Undergraduates

1n-2 Elementary Spanish 4 credits Each semester
(HOWE)

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)

21-22 Advanced Sophomore Spanish 2 credits Each semester
Prerequisite: Span. 13-14. Open to Sophomores only. (TROMANHAUSER)

For Advanced Undergraduates and Graduates

111-112 Advanced Composition and Conversation
2 credits Each semester
A thorough study of advanced grammar and composition. Constant drill in conversation. Prerequisite: Span. 13-14. (SARGENT)

121-122 Survey of Spanish Literature 3 credits Each semester
Lectures, reading of selected texts, reports. Conducted, so far as possible, in Spanish. Prerequisite: Span. 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. (SARGENT)

147-148 Contemporary Literature 3 credits Each semester
Readings and discussions of contemporary writers, including those of Spanish America. Prerequisite: Span. 13-14. (SARGENT)

161-162 Directed Reading 1 to 3 credits Each semester
Prerequisite: Completion of two or more advanced class-courses in Spanish. Not intended as a substitute for such courses, but as a supplement to them. Written permission of the Head of the Department required. (DEPARTMENTAL STAFF)

192 Methods in Teaching Spanish 2 credits Each semester
Thorough drill in pronunciation and grammar. Consideration of methods of teaching, examination of texts, and courses of study. Practice teaching and observation. Prerequisite: Span. 13-14, and at least one course in literature. (SARGENT)

Readings in European Literature 2 credits Each semester
See Eng. 175-176.

History of Spanish Civilization 2 credits Each semester
See European 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
(DEPARTMENTAL STAFF)

MUSIC

Professor CUMMINGS, Assistant Professors CLARK, CLAUS, Miss LITTLE, Miss BARNARD, Mr. ENSINGER, Miss BOTHNE, Miss FREDRICKSON.
Professor SARGENT

Credit in applied music and organized music may be counted toward graduation from the Senior Colleges irrespective of the number of the course taken. In applied music two credits will be given for one lesson a week.

ORGANIZED MUSIC

MIXED CHORUS AND TREBLE CLEF CLUB.—Membership in these choral organizations is open to all students in the University, after consultation with the director. Choral work includes a Mixed Chorus, the Treble Clef Club (women), Vandaleers, Vandalettes, Mixed Quartet, and Male Quartet.

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 a thorough study of orchestral literature, and routine.

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.

CLASSIFICATION OF STUDENTS

All students taking instruction in the Department of Music will be classified in one of the following groups: (a) Bachelor of Music; (b) Bachelor of Science in Music Education; (c) Bachelor of Arts, with music (piano, voice, violin, or cello), as a major study; (d) Bachelor of Science in Ed-

ucation, with public school music as a teaching subject; (e) Students not classified in any of the above-named groups.

At the beginning of the Junior year a candidate for a degree in music will be given an examination in applied music to determine his eligibility for upper division work.

GENERAL MUSIC COURSES

Primarily for Undergraduates

1-2 Sight Singing and Ear Training 2 credits Each semester
The singing, recognition, and writing of intervals, chords and cadences in the major and minor scales. Practice in melodic and rythmic dictation. Two and three part singing stressed. (FREDRICKSON)

3-4 Elementary Harmony 2 credits Each semester
Rudiments of music. Inversions of triads. Dominant seventh chord. Assigned melodies, basses, and original work. (LITTLE)

5-6 Harmony 2 credits Each semester
Modulations. Altered chords. Ornamental tones. Augmented sixth chords. Piano accompaniments to assigned and original melodies. (LITTLE)

11-12 Advanced Sight Singing, Ear Training 2 credits Each semester
Advanced melodic and rythmic dictation. Harmonic dictation begun. Three and four part singing in treble, bass, tenor, and alto clefs. More advanced chromatic problems and modulations. (FREDRICKSON)

13-14 Keyboard Harmony 1 credit Each semester
Wedge's textbook on *Keyboard Harmony* is used. (BARNARD)

55-56 Music Appreciation 1 credit Each semester
An elective course open to all students of the University. It will give the interested student an opportunity to hear good music and learn to converse intelligently on the subject. Two lectures each week. (ENSINGER)

57-58 Accompanying 1 credit Each semester
Practical experience in accompanying singers and instrumentalists. Open to piano students with sufficient technical equipment. (FREDRICKSON)

59-60 Musical Diction 2 credits Each semester
A study of the science of phonetics with special stress upon the sounds and enunciation of foreign languages as required in singing. (SARGENT)

70 Idaho Choir Plan 2 credits Second semester
Organization and presentation of music materials as outlined in Idaho choir plan for rural schools. Prerequisite: Mus. 1. (BARNARD)

73-74 Instrumental Ensemble 1 credit Each semester
Study of piano trios and other chamber music. (LITTLE)

For Advanced Undergraduates and Graduates

101-102 History of Music 2 credits Each semester
Detailed study of historical periods in history of music. (ENSINGER)

103-104 Form and Analysis 2 credits Each semester
Chord-analysis, analytical study of form. Prerequisites: Mus. 3-4, 5-6, and 13-14. (LITTLE)

105-106 Counterpoint 2 credits Each semester
Counterpoint in the various species in two, three, and four parts. Prerequisites: Mus. 3-4, and 5-6. (ENSINGER)

107-108 Piano Class Methods 1 credit Each semester
The student is made familiar with the best piano class methods of instruction. (BARNARD)

109-110 Elementary Composition 2 credits Each semester
Application of both poetry and prose to musical forms. Writing of accompaniments for voice and solo instruments. Original writing. Prerequisites: Mus. 103-104 and 105-106. (ENSINGER)

111-112 Instrumentation 2 credits Each semester
A general treatment of orchestral instruments as to range, relations of one to another, tone qualities, etc. Arranging music for school orchestras, transposition, and arranging for piano score. Prerequisite: Mus. 103-104. (ENSINGER)

132 Methods of Teaching Voice 1 credit Second semester
For those who wish to qualify as private teachers of voice. Actual teaching under supervision. (CUMMINGS)

171-172 Elementary School Music 2 credits Each semester
Music material of the primary grades, presented according to the class methods employed in public schools. (BARNARD)

173-174 Class String-Instrument Teaching 2 credits Each semester
Basic course in instrumental music for the public schools. Foundation for all string instruments. (CLAUS, LITTLE)

175-176 Class Wind-Instrument Teaching 2 credits Each semester
Basic course in instrumental music for the public schools. Furnishes a foundation for all wind instruments. (ENSINGER)

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. Prerequisite: Mus. 171. (BARNARD)

179-180 Conducting 1 credit Each semester
Technique of the baton. Study of material, interpretation and score reading. Practical experience in conducting. (CLAUS)

Practice Teaching (Ed. 131) 1 to 4 credits Either semester
To be arranged with the Director of Practice Teaching and the vocal or instrumental supervisor. Required in the Public School Music Curriculum. Prerequisites: Mus. 171-172, or 173-174, or 175-176.

Primarily for Graduates

201-202 Music Supervision 2 credits Each semester
Prerequisites: Mus. 171, 172, 177, 178 and Ed. 131 or equivalent. (BARNARD)

205-206 Canon and Fugue 2 credits Each semester
Double counterpoint, imitation, sequences, canons and inventions. Fugue in three or more parts. Prerequisite: Mus. 105-106. Counterpoint. (ENSINGER)

209-210 Advanced Composition 2 credits Each semester
An original composition in one of the larger forms of at least 30 minutes duration. Prerequisite: Elementary Composition and Mus. 103-104. (ENSINGER)

211-212 Orchestration 2 credits Each semester
The arranging and scoring of orchestral parts. The writing of original composition for orchestra, or solo instrument or voice with orchestra. Prerequisites: Mus. 111-112, Instrumentation. (ENSINGER)

221-222 Piano 2, 4 or 5 credits

231-232 Voice 2, 4 or 5 credits

241-242 Violin 2, 4 or 5 credits

PIANO

Assistant Professor CLARK

The Department of Music seeks to develop not only pianists but musicians. Work is adapted to the individual need of the student.

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

Freshman year. Scales and arpeggios. Czerny, *opus, 299.* Bach, *Two-part Inventions.* Sonatas, Haydn, and Mozart.

23-24 Piano Playing 2 or 4 credits Each semester

Sophomore year. Czerny, *opus* 740. Bach, *Three-Part Inventions.* Easier sonatas and works of equal difficulty.

For Advanced Undergraduates and Graduates

125-126 Piano Playing 2, 4 or 5 credits Each semester

Junior year. Bach, *Welltempered Clavichord.* Chopin, *Etudes,* and works of equal difficulty.

127-128 Piano Playing 2, 4 or 5 credits Each semester

Senior year. Bach, *Welltempered Clavichord,* Chopin, *Etudes,* and compositions by classic and modern composers. Graduation recital.

VOICE

Professor CUMMINGS, Miss BOTHNE, Miss FREDRICKSON

In this study, a normal, natural development of the given powers of every student is undertaken. Correct diction, whether in English, German, French or Italian, is insisted upon.

Primarily for Undergraduates

31-32 Singing 2 or 4 credits Each semester

For Freshman year. A proper and definite breath control. Songs of moderate difficulty sung with correct intonation, tone quality, and interpretation.

33-34 Singing 2 or 4 credits Each semester

For Sophomore year. Continued drill in technique of breathing, tone placing, and phrasing. Easier oratorio selections and operatic arias. Art songs from the standard classics.

For Advanced Undergraduates and Graduates

135-136 Singing 2, 4 or 5 credits Each semester

For Junior year. Ensemble singing from the standard operas and oratorios. Songs of advanced grade from classic and modern composers.

137-138 Singing 2, 4 or 5 credits Each semester

For Senior year. An extensive repertoire from the best song literature. Graduation recital.

VIOLIN

Assistant Professor CLAUS

In the study of the violin, a carefully graded and very thorough course is pursued in bowings as well as left hand technique; but it is kept very flexible in order to conform to the peculiar needs of each individual student.

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.

For Advanced Undergraduates and Graduates

145-146 Violin Playing 2, 4 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, Kriesler, and others.

147-148 Violin Playing 2, 4 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.

VIOLINCELLO

Miss Little

Primarily for Undergraduates

61-62 Cello 2 or 4 credits Each semester
Etudes by Werner, Schroder, Lee, Dotzauer, Krummer, and Grutmacher. Scales and arpeggios in three octaves. Easy concertos by Klengel, Romberg, and Golterman. Thumb position studies.

63-64 Cello 2 or 4 credits Each semester
Continuation of 61-62.

For Advanced Undergraduates and Graduates

161-162 Cello 2, 4 or 5 credits Each semester
Continuation of three octave scale and arpeggio, and thumb position studies. Etudes by Dupont and Franchomme.

163-164 Cello 2, 4 or 5 credits Each semester
Sonatas by Bach, Corelli, and Sammartini. Concertos by Romberg, Goltermann, Saint Saens, and Lalo.

ORCHESTRAL AND BAND INSTRUMENTS

Students may enroll for private instruction in any of the instruments used in the standard symphony orchestra or the standard miliary or concert band. Two credits will be given for one lesson a week and four credits for two lessons a week.

Primarily for Undergraduates

85-86 String Instruments 2 or 4 credits Each semester
91-92 Brass Instruments 2 or 4 credits Each semester
95-96 Wood-Wind Instruments 2 or 4 credits Each semester
97-98 Percussion Instruments 2 or 4 credits Each semester

ORGANIZED MUSIC

35-36 Glee Club 1 credit Each semester

This work is taken by students interested in glee club and chorus. Admission through tryouts. (CUMMINGS, BOTHNE)

45-46 Orchestra 1 credit Each semester

The orchestra is open to all qualified students of the University and is required of students majoring in the orchestral instruments. (CLAUS)

NOTE.—The maximum credit allowed for four years in either orchestral, choral or band work is eight credits. A student may register in these courses after receiving the maximum number of credits but will receive no credit.

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 and classification of a student in each of his courses are reported by the instructor to the registrar and recorded.

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 requirements under "Refunds of Fees" in Part I.

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, CELLO, 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	$30.00
Two lessons a week, one-half hour each	60.00

PRACTICE-ROOM RENTAL (WITH PIANO)

One hour a day fo rthe 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 fo rthe semester	$ 2.00
Two hours a day for the semester	3.00
Three hours a day for the semester	4.00

PHILOSOPHY

Professor CHENOWETH, Mrs. MONTGOMERY

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, evolution and related problems. Prerequisite: Phil 51, or equivalent. (CHENOWETH)

105 Philosophy of Religion 3 credits First 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 Second semester

A study of the 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. (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 2 to 4 credits Each semester
(CHENOWETH)

208 Plato 3 credits Second semester
The *Republic* and *Laws* are read in translation, with special reference to Plato's theory of government. Open to graduates and advanced students in Philosophy. (CHENOWETH)

PHYSICAL EDUCATION FOR MEN

Professors CALLAND and HUTCHINSON, Associate Professors Fox and ANDERSON, Assistant Professor 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.

A course of study in which the department cooperates with the School of Education offers instruction for prospective teachers of physical education, coaches, or playground supervisors. Those desiring to register in this course should consult 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** ½ credit Each semester
Required of Freshmen. One hour a week. Instruction and participation in floor work and class athletics. Practice is provided in team games and individual activities. Final credit in the course depends upon passing a satisfactory swimming test. (STAFF)

***33-34 Sophomore Sports** ½ credit Each semester
Required of Sophomores. One hour a week. Students are required to elect one of the following activities, swimming and life saving, boxing, wrestling, tennis, handball, golf, fencing, horseshoes, gymnastics, basketball, track (*spring*), cross country (*fall*). (STAFF)

*Not more than one-half credit can be secured in each of the following: P.E. 31, 32, 33, or 34. Only one of these courses can be taken in any semester.

35-36 Restricted Physical Education ½ 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 P.E. 31 32. (HUTCHINSON)

ELECTIVE COURSES

Primarily for Undergraduates

41-42 Freshman Activities 2 credits Each semester
Required of Freshman majors. May substitute for P.E. 31-32. One lecture and three practice hours a week. Theory and practice in gymnastic activities, tumbling, group games, light and heavy apparatus. (HUTCHINSON)

43-44 Sophomore Activities 2 credits Each semester
Required of Sophomore majors. May substitute for P.E. 33-34. One lecture and three practice hours a week. Theory and practice in calisthenic drills, swimming and life saving, and minor sports. Prerequisite: P.E. 41-42. (ANDERSON)

47 History of Physical Education 2 credits First semester
Required of Freshman majors. Two-hour lecture course in the development of the physical education movement, its rise and fall through the various stages of history with special emphasis on the modern trend in the United States. (ANDERSON)

48 Principles of Physical Education 2 credits Second semester
Required of Freshman majors. Two-hour lecture course seeking to cultivate a favorable attitude for a professional study of physical education. The ideals and aims of physical education, and the relation of physical education to school and society are stressed. (CALLAND)

***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)

For Advanced Undergraduates and Graduates

131-132 Technique of Teaching Activities 1 credit Each semester
Three hours' practice in the methods of instruction in 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. (JACOBY)

136 Corrective Physical Education 2 credits Second semester
One hour of lecture and three hours of practice in methods of instruction in medical gymnastics. Sample lessons prepared and taught under supervision of the instructor. Prerequisite: Zool. 6. (ANDERSON)

*Not more than one credit can be secured in each of the following: P.E. 81, 82, 83, or 84. Only one of these courses may be taken in any semester.

141 Theory of Coaching Track and Basketball 2 credits First semester
Two-hour lecture course in the methods of coaching track and basketball teams. Details of teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning of athletes. Prerequisites: P.E. 83 and 84. (ANDERSON, Fox)

142 Theory of Coaching Football and Baseball 2 credits Second semester
Two-hour lecture course in the methods of coaching football and baseball teams. Details of teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning of athletes. Prerequisites: P.E. 81 and 82. (CALLAND, Fox)

181 Physical Education Tests and Measurements 2 credits First semester
A study of the general historical background and the need for and use of tests in physical education. Elementary statistical methods, scoring methods, how to build tests, administration of tests, and their use in classification and placement. Prerequisite: Psych. 1, and Junior standing. (JACOBY)

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. Prerequisites: P.E. 41-42 and 43-44. (CALLAND)

185 Physiology of Exercise 2 credits First semester
A course in which the effects of exercise upon the different organs, muscles, structure, and functions of the body are studied so that the ideals and aims of exercise can be taught and carried out in a wholesome manner. Prerequisite: Zool. 6 and Junior standing. (HUTCHINSON)

188 First Aid 2 credits Second semester
A course in first aid and emergencies, with special emphasis on athletic injuries and their care. Students qualify for a Red Cross certificate. Prerequisite: P.E. 185. (HUTCHINSON)

195 Organization and Administration 3 credits First 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. Prerequisite: P.E. 131-132. (CALLAND)

PHYSICAL EDUCATION FOR WOMEN

Associate Professor WIRT, Miss LOCKE, Mrs. BOYER,
Professors CALLAND and HUTCHINSON

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 Associate Professor Wirt. P.E. 125-126 and P.E. 127-128 are absolutely essential to minor curriculum.

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. 9-10, 13-14, 51-52, 53-54, 55-56, 57-58, 59-60, or, with special permission from the instructor, P.E. 109-110, or 117-118, to fulfill 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 students as indicated by the physical examination and study of personal tendencies. It includes (a) *Elementary Gymnastics;* two hours a week of gymnastics, folk and character dancing, games, and sports' technique, and (b) *Personal Hygiene*: one class discussion a week on problems of personal hygiene. (WIRT, LOCKE)

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. (BOYER)

47 History of Physical Education 2 credits First semester

See Physical Education for Men.

51 Danish Gymnastics 1 credit First semester

A modification of the so-called primitive or fundamental gymnastics of Neils Bukh. A system demanding alternation of very strenuous and relaxed movements, with emphasis upon those which obtain flexibility and suppleness. Two hours a week. (LOCKE)

52 Apparatus and Tumbling 1 credit Second semester

To follow P.E. 51. Practice in individual, partner, and group stunts, pyramid building, apparatus work on flying rings, traveling rings, window ladder, climbing rope, etc. One day a week. Tumbling one day a week. (LOCKE, HUTCHINSON)

53-54 Clog Dancing 1 credit Each semester

Emphasis upon related coordination and pantomimic characterizations. Two hours a week. Prerequisites: P.E. 1-2, or equivalent; (P.E. 9-10 desirable). (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. (BOYER)

57-58 Individual and Leisure Time Sports 1 credit Each semester

Practice in activities which can most easily be continued in after school life. Horseshoes, tennis, ping pong, badminton, deck tennis or tenni-quoits, archery, golf, track and field athletics. Equipment for golf and tennis must be provided by the registrants. Two hours a week. (BOYER)

59-60 Women's Athletics 1 credit Each semester

Coaching in volley ball, basketball, soccer, 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. (LOCKE)

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 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. (BOYER)

106 Pageantry and Festivals 2 credits Second semester

Two lecture hours a week. This course includes a study of festival material adapted to school and playground use. The formation of pageant committees and study of their duties. Study of costuming, and original continuities for pageants. (BOYER)

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)

113 The Teaching of Hygiene 2 credits First semester

A study of the project and informal discussion methods of making the rules of hygiene of significance to high school girls. Two hours a week. Prerequisite: P.E. 1b and 2b. (WIRT)

114 Teaching of Simple Rhythms and Folk Dancing 1 credit Second semester

Methods of teaching kindergarten and primary rhythms and folk dances, with a knowledge of typical folk dances of different countries. Two hours a week. (WIRT)

117-118 Advanced Swimming 1 to 2 credits Each semester

Continuation of P.E. 13-14 and 55-56, with the addition of the crawl, back racing stroke, 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 or equivalent. (BOYER)

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. (Not given in 1933-34.) (BOYER)

125-126 Management of Women's Athletics 2 credits Each semester

Theory and practice in coaching team games for use in playgrounds, public school, high schools, and camps. Two lecture periods and two hours' practice teaching. Prerequisite: P.E. 59-60. (LOCKE)

127-128 Methods of Gymnastic Teaching 2 credits Each semester

Methods of teaching gymnastics, organization of programs in physical education for elementary and high schools. Three class periods a week. Prerequisite: P.E. 1-2. (WIRT)

129 Practice Teaching in Gymnastics 3 credits First semester

Fifty-four hours' teaching gymnastics under supervision. Prerequisite: P.E. 126 or 128. (WIRT)

188b First Aid 2 credits Second semester

First aid in emergencies, with special emphasis on athletic injuries and their care, qualifying for the Red Cross certificate in first aid. Two hours a week. Prerequisite: Zool. 6. (HUTCHINSON)

Organization and Administration 3 credits Second semester

See P.E. 196, Physical Education for Men. (CALLAND)

PHYSICS

Professor HAMMAR, Assistant Professors LUKE and STAUFFER

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. (STAUFFER)

3-4 General Physics 4 credits Each semester
Three lectures, one three-hour laboratory period, and one recitation period a week. Prerequisite: Phys. 1, or high school physics, or the equivalent of Math. 1. (LUKE)

11-12 Engineering Physics 5 credits Each semester
This course is intended for students in the physical sciences and in engineering and 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)

54 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. (STAUFFER)

For Advanced Undergraduates and Graduates

105-106 Meteorology 3 credits Each semester
A broad survey of the physics of the atmosphere. Prerequisite: Phys. 3-4, or 11-12.

110 Teaching of Physics 3 credits Second 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. 3-4, or 11-12. (LUKE)

121-122 Analytical Mechanics 3 credits Each semester
Statics, kinematics, and dynamics. Prerequisites: Phys. 3-4, or 11-12; Math. 51. (HAMMAR or LUKE)

131-132 Electricity and Magnetism 2 credits Each semester
Prerequisites: Phys. 3-4, or 11-12; Math. 51-52. (STAUFFER)

133-134 Electrical Measurements 2 credits Each semester
Intended to accompany Phys. 131-132. Two three-hour laboratory periods a week. Prerequisites: Phys. 3-4, or 11-12, and Math. 51-52. (STAUFFER)

141 Advanced Light 4 credits First semester
Prerequisites: Phys. 3-4, or 11-12, and Math. 51. (HAMMAR OR STAUFFER)

152 Advanced Heat 3 or 4 credits Second semester
Prerequisites: Phys. 3-4, or 11-12, and Math. 51-52. (HAMMAR)

161-162 Pro-Seminar 1 credit Each semester
A study of important topics in advanced physics. Prerequisites: Phys. 121-122; 141, and 152.

Primarily for Graduates

201-202 Research 3 to 5 credits Each semester
Investigation of experimental or theoretical nature under supervision of an instructor. (HAMMAR)

211-212 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. Prerequisites: Phys. 3-4, or 11-12, and Math. 51-52. (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. (HAMMAR)

241 Kinetic Theory 3 credits First semester
A mathematical study of molecules and their motion. Prerequisites: Phys. 121-122, and 152. (HAMMAR)

261-262 Seminar 2 credits Each semester
A study of topics from recent research.

PLANT PATHOLOGY

Professor HUNGERFORD, Associate Professor RAEDER, Miss REMSBERG

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 AND STAFF)

102 Methods in Plant Pathology 2 credits Second semester
Greenhouse and laboratory studies of bacterial and fungus diseases of plants, including cultural methods, isolation, inoculation, spore germination, etc. Two laboratory periods weekly. Prerequisites: P.P. 101 and Bact. 101. (REMSBERG)

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. One lecture and one laboratory period weekly. Prerequisite: P.P. 101. (HUNGERFORD, RAEDER)

104 Fruit Diseases 2 credits Second semester
Various diseases of both tree and small fruits, special emphasis being placed upon non-parasitic diseases of both these groups. Lectures, reference readings, and reports upon assigned topics. Two lectures weekly. Prerequisite: P.P. 101. (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. One lecture weekly. Prerequisite: P.P. 101. (RAEDER)

107-108 Pro-seminar 1 credit Each semester
(HUNGERFORD)

110 Thesis 1 credit Second semester
(HUNGERFORD, RAEDER)

Forest Pathology 2 credits Second semester
See For. 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)

203-204 Research Credits to be arranged Each semester
(HUNGERFORD, RAEDER)

POLITICAL SCIENCE

Professor KERR, Mr. CHAMBERLAIN
Professor RETHERFORD

Primarily for Undergraduates

51-52 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, CHAMBERLAIN)

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. 51-52. (CHAMBERLAIN)

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.Sci. 51-52. (CHAMBERLAIN)

125 Comparative Government 3 credits First semester
A study of the organization, functions, administration, and special systems of the leading countries of the world. The recent changes in the governmental system of continental Europe. Prerequisite. Pol.Sc. 51-52. (KERR)

127 Theory of the State 3 credits First 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. 51-52. (RETHERFORD)

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. 51-52. (CHAMBERLAIN)

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. 51-52. (RETHERFORD)

137 International Relations 3 credits First semester
The nature and importance of international relations. An examination of nationalism, imperialism, militarism, internationalism, and the problems which they arouse. Prerequisite: Pol.Sc. 51-52. (KERR)

138 International Political Organization
3 credits Second semester
A survey of the chief agencies for international cooperation, past and present. Particular emphasis will be given to the League of Nations and the Permanent Court of International Justice. Prerequisite: Pol.Sc. 51-52. (CHAMBERLAIN)

152 Public Administration 3 credits Second semester
The development of public administration and its relation to the other branches of government. The regulation and control of administrative agencies. Prerequisite: Pol.Sc. 51-52. (CHAMBERLAIN)

Primarily for Graduates

211-212 Research in Political Science 3 to 5 credits Each semester
(KERR)

POULTRY HUSBANDRY

Professor LAMPMAN, Mr. WILLIAMS

Primarily for Undergraduates

1 Introductory Survey 1 credit First semester
This course is given in conjunction with Animal Husbandry 1. (LAMPMAN)

For Advanced Undergraduates and Graduates

101 Market Grades and Standards 2 credits First semester
Factors influencing quality of poultry products; candling and grading eggs; classification and inspection of 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. Two lectures and one laboratory weekly. Prerequisite: P.H. 1. (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. Two lectures and one laboratory weekly. Prerequisite: P.H. 1. (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. One lecture and one recitation weekly. Laboratory consists of incubator operation. Prerequisite: P.H. 1. (LAMPMAN)

121-122 Special Problems Credits to be arranged Each semester
(LAMPMAN, WILLIAMS)

123-124 Thesis 1 credit Each semester

Primarily for Graduates

201-202 Research Credits to be arranged Each semester
(LAMPMAN)

PSYCHOLOGY

Professors BARTON and LEMON, Mr. BOYER

The courses of this department are arranged in three different orders of sequence: for those who contemplate a business career; for those who hope to become teachers; and for those who care to specialize in Psychology. Notice that some courses are offered alternate years.

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 a week. (BARTON)

2 Educational Psychology 3 credits Either semester

Application of results of experimental psychology to teaching; including problems of inherited nature, learning, individual differences; measurement of mental traits. Prerequisite: Psych. 1. (LEMON)

4 Applied Psychology 4 credits Second semester

The general nature of the human organism and the effects of environmental influences; business practices; evidences; testimony; helps in medical practice. Three lectures and one laboratory period a week. Prerequisite: Psych. 1. (BARTON)

54 Psychology of Advertising and Selling 3 credits Second semester

A consideration of the psychological factors involved in advertising and selling, and their relation to individual differences. Prerequisite: Psych. 1. (Not given 1933-34). (BOYER)

57 Psychology of the Exceptional Individual 3 credits First semester

A diagnosis of the retarded and gifted humans, with a discussion of their needs and treatment. Prerequisite: Psych. 1. (LEMON)

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. (Not given 1933-34.) (LEMON)

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. (LEMON)

116 Psychology of Employment and Handling of Employees 3 credits Second semester

Analysis of the psychological factors involved in the interrelated activities of the worker and the management. Methods for developing and training workers; measures of active ability and proficiency; selection and placement. Prerequisites: Psych. 1 and 4, or equivalent. (BOYER)

117 Psychological Methods 4 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. (BOYER)

121-122 Advanced Psychology 4 credits Each semester

A survey of the leading problems, conceptions, methods, and results of modern psychology. Critical examination of present tendencies in textbooks. Three lectures and one laboratory period a week. Prerequisites: Psych. 1 and 4, or equivalent. (Not given 1933-34.) (BARTON)

151 Psychology of High School Subjects 2 credits First semester

Specific application of educational psychology to the teaching of the subjects of the high school curriculum. Prerequisites: Psych. 1 and 2. (Not given 1933-34.) (LEMON)

153 Psychology of Adolescence 3 credits First semester

A complete psychological study of the development, urges, interests, personality, and mental hygiene of the junior and senior high school student. Prerequisites: Psych. 1 and 2, or equivalent. (LEMON)

Primarily for Graduates

201 Advanced Educational Psychology 3 credits First semester

An advanced course covering the field of educational psychology. Lectures, discussions, and reports on the experimental literature in the field. Prerequisites: Psych. 1 and 2, or equivalent. (LEMON)

203 Psychology of Criminality 3 credits First semester

The nature, determination, causes and treatment of criminals with a view to their best interests and the safety of society. Prerequisites: Psych. 1 and 4, or equivalent. (Not given 1933-34.) (BARTON)

206 Psychology of Learning 3 credits Second semester

A more intense consideration of the factors conditioning the learning process; a searching study of the roles of repetition, recency, primacy, feeling, fitness of material to past activity and to future needs. Prerequisites: Psych. 1 and 4, or equivalent. (LEMON)

209 Mental, Personality and Character Testing
3 credits First semester

Individual and group intelligence, personality and character 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, 4, and 117. (Not given 1933-34.) (LEMON)

211 Abnormal Psychology 3 credits First semester

The nature, causes, prevention, and treatment of functional and organic mental deficiency, and derangement. Prerequisites: Psych. 1 and 4, or equivalent. (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 problems for discussion and criticism. One meeting each week. (BARTON, LEMON)

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, LEMON)

217 Psychology in Ethics 3 credits Second semester

An attempt to ascertain the part played by human nature in determining moral conduct. Relation of these considerations to the various ethical theories. Prerequisites: Psych. 1 and 4, or equivalent. (Not given 1933-34.) (BARTON)

220 Social Psychology 3 credits Second semester

Innate tendencies influenced by the behavior of one's fellows, and their organization into group attitudes of opposition and cooperation; the respective rôles of habit, custom, language, suggestion, imitation, and emotion and their relation to social progress. Prerequisites: Psych 1 and 4, or equivalent. (BARTON)

Public Speaking

(See under *English*)

Religious Education

(For the plan of work see *Religious Education* in Part I. For the courses offered, see the separate Bulletins issued by the Religious Institutes)

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. Open to Freshmen and Sophomores. (CHENOWETH AND ASSOCIATE)

SOCIOLOGY

Professor KERR, Mr. CHAMBERLAIN

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, 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 Social Studies. (KERR, CHAMBERLAIN)

145 Rural Sociology 3 credits First semester
A study of the rural social problems: education, religion, recreation, tenancy, health, the village; rural leadership. Prerequisite: Soc. 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: Soc. 141-142, except by special permission. (KERR)

Spanish

(See under *Modern Languages*)

ZOOLOGY

Professor STOUGH, Assistant Professor GLASS, Mr. STEFFENS, Miss PECK, Mr. KELLEY, Mr. NUNEMAKER

Primarily for Undergraduates

1-2 General Zoology 4 credits Each 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, STEFFENS, PECK, KELLEY, NUNEMAKER)

4 Comparative Anatomy of Vertebrates 4 credits Second semester
Dissection and study of types of vetebrates, together with lectures and discussions on general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two three-hour laboratory periods a week. Prerequisite: Zool. 1-2. (STOUGH, STEFFENS, PECK)

6 Physiology 3 credits Second semester
Designed to give 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, or Bot. 1. (GLASS)

53 Invertebrate Zoology 4 credits First semester
Not offered 1933-34.

55-56 The Human Body 2 credits Each semester
An elementary study of the structure of the human body. Specially designed for majors in Physical Education. Prerequisites: Zool. 1 and 6.

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 2 or 6, or Bot. 1-2, or Senior College standing. (GLASS)

60 Social Hygiene (Women) 2 credits Second semester
Not offered 1933-34.

68 Ornithology 3 credits Second semester
Not offered 1933-34.

70 Social Hygiene (Men) 2 credits First semester
Not offered 1933-34.

For Advanced Undergraduates and Graduates

101 The Teaching of Zoology 2 credits First semester
Not offered 1933-34.

103-104 Human Anatomy 2 credits Each semester
A study of the general structure of the human body through mammalian dissection, charts, models, dissectible mannikin and human skeletons. Should be taken along with Zool. 105-106. One lecture and one three-hour laboratory period a week. Prerequisites: Zool. 1, 2 or 6, 4, and 113. (GLASS)

105-106 Human Physiology 3 credits Each semester
A study of the various physiological functions of the human body. Required of Pre-Nursing students and Seniors in Pre-Medicine. Recommended to others, particularly to those majoring in Home Economics, Physical Education, Psychology, and Education who desire a more thorough course than Zool. 6. Should be preceded by, or be taken along with, Zool. 103-104. One lecture and two three-hour laboratory periods a week. Prerequisites: Zool. 1-2, and Chem. 1-2. (GLASS)

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. 1-2 and 4. (Zool. 113 is recommended.) (GLASS)

108 Evolution and Genetics 2 credits Summer Session

109 Vertebrate Histology and Organology 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. 1-2 and 4. (STOUGH, STEFFENS)

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. 1-2 and 4. (STEFFENS)

111 General Neurology 4 credits First semester
Not offered 1933-34.

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. Two lectures and two three-hour laboratory periods a week. Prerequisites: Zool 1-2 and 4. (STOUGH, STEFFENS, PECK)

115 Cytology 4 credits First semester
A study of the animal cell with special emphasis on its relation to sex, genetics, and evolution. Laboratory work in special technique and study of principal cytological phenomena. Two lectures and two three-hour laboratory periods a week. Prerequisites: Zool. 1-2, 4, 113, and Chem. 1-2. (STOUGH, STEFFENS)

118 Parasitology 3 credits Second semester
Not offered 1933-34.

119-120 Thesis 1 to 3 credits Each semester
(STOUGH, GLASS)

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 or Bot. 1; and Chem. 1-2. (STOUGH)

161-162 Pro-Seminar 2 credits Each semester
An introduction to the methods of zoological research. Limited to Seniors majoring in Zoology. (STOUGH, GLASS)

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 will be given all the opportunities available for carrying on their work. (STOUGH, GLASS)

213-214 Advanced Morphology 2 credits Each semester
Not offered 1933-34.

216 Advanced Cytology 4 credits Second semester
Continuation of Zool. 115 for Graduate students. One lecture and three three-hour laboratory periods a week. (STOUGH)

261-262 Seminar 2 credits Each semester
Reports on advanced literature in the various phases of Zoology. Open to Graduate students only. (STOUGH, GLASS)

PART VI
Officers of the University

State Board of Education
and
Board of Regents of the University of Idaho

CLENCY ST. CLAIR ..... *President* ..... Idaho Falls
Term expires April, 1935

W. C. GEDDES ..... *Vice-President* ..... Winchester
Term expires April, 1933

T. A. WALTERS ..... *Secretary* ..... Caldwell
Term expires April, 1936

MRS J. G. H. GRAVELEY ..... Boise
Term expires April, 1934

ASHER B. WILSON ..... Twin Falls
Term expires April, 1937

JOHN WM. CONDIE
Superintendent of Public Instruction ..... Boise
Ex-officio

Executive Committee for the University of Idaho

W. C. GEDDES, *Chairman*

CLENCY ST. CLAIR — ASHER B. WILSON
MRS. J. G. H. GRAVELEY — COMMISSIONER W. D. VINCENT
PRESIDENT M. G. NEALE, *Secretary*

Commissioner of Education

W. D. VINCENT ..... Boise

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

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JOHN ANTON KOSTALEK, PH.D ..... *Dean of the College of Letters and Science*
EDWARD JOHN IDDINGS, M.S. ..... *Dean of the College of Agriculture, Director of Agricultural Experiment Station, and Director of Extension Division*
IVAN CHARLES CRAWFORD, C.E. ..... *Dean of the College of Engineering and Director of the Engineering Experiment Station*
WILLIAM EDWARD MASTERSON, S.J.D., LL.D. ..... *Dean of the College of Law*
JOHN WELLINGTON FINCH, SC.D. ..... *Dean of the School of Mines*
FRANCIS GARNER MILLER, M.F. ..... *Dean of the School of Forestry*
*JAMES FRANKLIN MESSENGER, PH.D. ..... *Dean of the School of Education*
**RALPH DOUGLAS RUSSELL, PH.D. ..... *Acting Dean of the School of Education*
RALPH HUNTER FARMER, A.B. ..... *Dean of the School of Business Administration*
CHARLES WILLIAM HUNGERFORD, PH.D. ..... *Dean of the Graduate School, Assistant Dean of the College of Agriculture and Vice-Director of Agricultural Experiment Station*
THOMAS STONER KERR, LL.B. ..... *Dean of the Junior College*
JOHN RUSKIN DYER, M.A. ..... *Executive Dean of the Southern Branch* (Pocatello)
JAY GLOVER ELDRIDGE, PH.D. ..... *Dean of the University Faculty*
PERMEAL JANE FRENCH, M.A. ..... *Dean of Women*
†KATHERINE JENSEN, M.S. ..... *Director of the Home Economics Curricula*
‡ADAH LEWIS, M.S. ..... *Acting Director of the Home Economics Curricula*
CARLETON CUMMINGS, M.M. ..... *Director of the Music Curricula*
FRANK STANTON, LL.B. ..... *Bursar*
ELLA LETITIA OLESEN ..... *Registrar*
MARY BELLE SWEET, B.L.S. ..... *Librarian*
OREN ARAM FITZGERALD, B.A. ..... *University Editor*
RAYMOND W. LIND, B.S.(C.E.) ..... *Superintendent of Buildings and Grounds*
FLOYD LYMAN PACKER ..... *Chief Accountant and Acting Purchasing Agent*
GEORGE ELMER HORTON, B.S.(E.E.) ..... *Graduate Manager of Student Activities*
ROBERT FULTON GREENE ..... *Proctor of Men*

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*On leave second semester, 1932-33.
**Second semester, 1932-33.
†On leave second semester, 1932-33.
‡Second semester, 1932-33.

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.

MERVIN GORDON NEALE, PH.D., *President of the University*
B.S.(Ed.), University of Missouri; A.M., Ph.D., Teachers College (Columbia). 1930.

ALFRED LEONARD ANDERSON, PH.D., *Professor of Geology*
B.S.(Chem.E.), M.S.(Geol.), University of Idaho; Ph.D., University of Chicago. 1928.

OTTO KENNETH ANDERSON, B.S.(ED.), *Associate Professor of Physical Education for Men*
B.S.(Ed.), University of Southern California. 1929.

CLIFFORD OAKLEY ARMSTRONG, M.D., *University Physician*
B.S., M.D., University of Illinois. 1926.

CLAUDE WILLIAM ASHBY, M.A., *Assistant Professor of Modern Languages*
B.A., M.A., University of Idaho. 1925.

FLOYD WARNICK ATKESON, M.S.(AGR.), *Professor of Dairy Husbandry, and Dairy Husbandman, Agricultural Experiment Station*
B.S.(Agr.), University of Missouri; M.S.(Agr.), Kansas State College. 1921.

HAROLD LUCIUS AXTELL, PH.D., *Professor of Classical Languages, and Head of the Department of Classical Languages*
A.B., Kalamazoo College; A.B., A.M., Ph.D., University of Chicago. 1902.

JOSEPH WESLEY BARTON, PH.D., *Professor of Psychology, and Head of the Department of Psychology*
B.S., University of Utah; Ph.D., Peabody College. 1920.

ROSCOE ERNEST BELL, M.S.(AGR.), *Assistant Professor of Agronomy, and Soil Technologist, Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.), Washington State College. 1931.

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 Engineering, and Agricultural Engineer, Agricultural Experiment Station*
B.S.(Agr.Engr.), Iowa State College. 1924.

ELMER FREDERICK BETH, M.A., *Assistant Professor of Journalism*
B.A., M.A., University of Wisconsin. 1930.

*WAYNE MELVILLE BEVER, M.S.(AGR.), *Junior Pathologist, U.S.D.A., Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1919.

CORNELIUS JAMES BROSNAN, PH.D., *Professor of American History, and Head of the Department of American History*
A.B., University of Michigan; M.A., Harvard University; Ph.D., University of California. 1921.

JESSE EVERETT BUCHANAN, M.S.(C.E.), *Assistant Professor of Civil Engineering, and Testing Engineer, Materials Testing Laboratory*
B.S.(C.E.), M.S.(C.E.), University of Idaho. 1927.

LOUIS CLYDE CADY, M.S., *Assistant Professor of Chemistry*
B.S.(Chem.E.), M.S., University of Idaho. 1922.

LEO BLAKELEY CALLAND, M.S.(ED.), *Professor of Physical Education, Football Coach, and Head of the Department of Physical Education for Men*
A.B., University of Southern California; M.S.(Ed.), University of Idaho. 1929.

ISAAC NEWTON CARTER, C.E., *Assistant Professor of Civil Engineering*
B.S.(C.E.), M.S.(C.E.), C.E. University of Idaho. 1923.

CURTISS WORTH CHENOWETH, M.A., *Professor of Philosophy, and Head of the Department of Philosophy*
B.S., Wesleyan College of West Virginia; M.A., Harvard University. 1919.

EDWARD ROBERT CHRISMAN, Brigadier General, U. S. Army, Retired, *Commandant of Cadets, and Lecturer in Military Science and Tactics*
Graduate of U. S. Military Academy. 1894.

FREDERIC CORSE CHURCH, PH.D., *Professor of European History and Civilization, and Head of the Department of European History*
A.B , Ph.D., Cornell University. 1921.

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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; M.A., University of Birmingham, England. 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.

CARLETON CUMMINGS, M.M., *Professor of Music, and Head of the Department of Music*
B.M., M.M., Bush Conservatory of Music. 1929.

JOHN HOUSTON CUSHMAN, M.A., *Professor of English*
B.A., Brown University; M.A., Harvard University. 1919.

ELMER EDGAR DAVISON, M.B.A., *Assistant Professor of Business Administration*
B.B.A., M.B.A., University of Washington. 1930.

REUBEN ARTHUR DIETTERT, 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.

JOHN RUSKIN DYER, M.A., *Executive Dean of the Southern Branch* (Pocatello)
A.B., Ohio State University; M.A., University of Kansas. 1929.

JOHN HARRY EINHOUSE, M.D., *University Physician*
B.S., University of Idaho; M.D., University of Louisville. 1926.

PAUL AXEL CLARENCE EKE, PH.D., *Agricultural Economist, Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.Econ.), Ph.D., University of Wisconsin. 1929.

JAY GLOVER ELDRIDGE, PH.D., *Professor of Modern Languages, Head of the Department of Modern Languages, and Dean of the University Faculty*
B.A., M.A., Ph.D., Yale University. 1901.

ARTHUR WILLIAM FAHRENWALD, MET.E., *Professor of Metallurgy and Ore Dressing*
B.S.(Met.), Met.E., South Dakota School of Mines; E.M., New Mexico School of Mines. 1929.

RALPH HUNTER FARMER, A.B., *Professor of Business Administration and Economics, and Dean of the School of Business Administration*
A.B., Oberlin College. 1927.

JOHN WELLINGTON FINCH, SC.D., *Professor of Geology, Dean of the School of Mines, and Director of the Idaho Bureau of Mines and Geology*
B.A., M.A., Sc.D., Colgate University. 1930.

OREN ARAM FITZGERALD, B.A., *University Editor*
B.A., University of Idaho. 1927.

*VICTOR HOMER FLORELL, PH.D., *Associate Agronomist, U. S. D. A., Cereal Crops and Diseases, Agricultural Experiment Station*
B.S., B.Sc., B.S.(Agron.), Kansas Agricultural College; M.S., Ph.D., University of California. 1930.

RICHARD ANTHONY FOX, B.S.(AGR.), *Associate Professor of Physical Education for Men*
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.

FLOYD WHITNEY GAIL, PH.D., *Professor of Botany, and Head of the Department of Botany*
B.A., M.A., University of Nebraska; Ph.D., University of Washington. 1913.

FULTON GILBREATH GALE, M.S.(ED.), *Supervisor of Practice Teaching*
B.S., Whitman College; M.S.(Ed.), University of Idaho. 1925.

HENRY FALLENSTEIN GAUSS, M.E., *Professor of Mechanical Engineering, and Head of the Department of Mechanical Engineering*
B.S.(M.E.), M.E., University of Washington. 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.

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B.S., Purdue University; M.S., University of Wisconsin. 1930.

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B.S., Ph.D., Cornell University. 1928.

WILLIAM ALLEN HALE, Captain, Infantry, D.O.L., U. S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, American College of Physical Education; Graduate, Infantry School. 1931.

WILLIAM VERNAL HALVERSEN, PH.D., *Professor of Bacteriology, and Bacteriologist, Agricultural Experiment Station*
B.S., Utah Agricultural College; M.S., Ph.D., Iowa State College. 1929.

GUSTAF WILLIAM HAMMAR, PH.D., *Professor of Physics, and Acting Head of the Department of Physics*
B.S., M.S., University of Idaho; Ph.D., California Institute of Technology. 1922.

HARRY LYNN HENKLE, Captain, Infantry, D.O.L., U. S. Army, *Acting Professor of Military Science and Tactics*
Graduate, Infantry School, Ft. Benning, Ga. 1930.

DON HENRY HERRICK, M.A., *Assistant Professor of English*
A.B., M.A., University of Kansas. 1930.

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.

BERT EARL HOPKINS, LL.B., *Associate Professor of Law*
Ph.B., University of Wisconsin; LL.B., Yale University. 1929.

PENDLETON HOWARD, PH.D., *Professor of Law*
LL.B., University of Texas; A.B., A.M., Ph.D., Columbia University. 1929.

JOHN WILBUR HOWARD, M.S.(C.E.), *Assistant Professor of Civil Engineering*
B.S.(C.E.), University of Colorado; M.S.(C.E.), University of Idaho. 1927.

ARTHUR SYLVESTER HOWE, M.A., *Associate Professor of Modern 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.

ROBERT HARSH HULL, E.E., *Professor of Electrical Engineering*
B.S.(E.E.), E.E., University of Colorado. 1929.

CHARLES WILLIAM HUNGERFORD, PH.D., *Professor of Plant Pathology, and Plant Pathologist, Agricultural Experiment Station; Assistant Dean of the College of Agriculture; Vice-Director of the Agricultural Experiment Station; and Dean of the Graduate School*
B.S., Upper Iowa University; M.S., Ph.D., University of Wisconsin. 1919.

RALPH FIELDING HUTCHINSON, *Professor of Physical Education for Men*
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.

GLENN JAMES JACOBY, M.S.(ED.), *Assistant Professor of Physical Education for Men*
B.A., M.S.(Ed.), University of Idaho. 1929.

EDWIN CORNELIUS JAHN, PH.D., *Associate Professor of Forestry*
B.S., M.S., New York State College of Forestry at Syracuse University; Ph.D., McGill University. 1930.

*KATHERINE JENSEN, M.S., *Professor of Home Economics, and Head of the Department of Home Economics*
B.S., North Dakota Agricultural College; M.S., University of Illinois. 1920.

JOHN HUGO JOHNSON, E.E., *Professor of Electrical Engineering, and Head of the Department of Electrical Engineering*
B.A., E.E., University of Wisconsin. 1918.

**THOMAS STONER KERR, LL.B., *Professor of Political Science, and Dean of the Junior College*
A.B., Indiana University; LL.B., University of Michigan. 1924.

JOHN ANTON KOSTALEK, PH.D., *Professor of Organic Chemistry, Dean of the College of Letters and Science, and Director of the Pre-Medical and Pre-Nursing Curricula*
B.A., M.A., University of Wisconsin; Ph.D., University of Illinois. 1911.

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*On leave second semester, 1932-33.
**Director, Summer Session, 1933.

MARK RUPP KULP, B.S.(C. & I.E.), *Assistant Professor of Agricultural Engineering, and Irrigationist, Agricultural Experiment Station*
B.S.(C. & I.E.), Colorado Agricultural College. 1930.

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.), *Professor of Agricultural Education*
B.S.(Agr.), M.S.(Ed.), University of Idaho. 1926.

ALLAN CLARK LEMON, PH.D., *Professor of Educational Psychology*
A.B., Morningside College; M.A., Ph.D., University of Iowa. 1931.

ADAH LEWIS, M.S., *Associate Professor of Home Economics*
B.S., M.S., Kansas State College. 1923.

DOUGLAS CLERMONT LIVINGSTON, B.SC.(MIN.ENGR.), *Professor of Geology*
B.Sc.(Min.Engr.), McGill University. 1911-1920; 1930.

RAYMOND W. LIND, B.S.(C.E.), *Superintendent of Buildings and Grounds*
B.S.(C.E.), University of Colorado. 1929.

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.), *Associate Professor of Education, and Director of Non-Resident Instruction and Placement Service*
B.S.(Ed.), M.S.(Ed.), University of Idaho. 1922.

HARRY PETER MAGNUSON, M.S.(AGR.), *Associate Professor of Agricultural Chemistry, Acting Head of the Department of Agricultural Chemistry, and Acting Agricultural Chemist, Agricultural Experiment Station*
B.S.(Agr.), University of Nebraska; M.S.(Agr.), University of Idaho. 1920.

WILLIAM EDWARD MASTERSON, S.J.D., LL.D., *Professor of Law and Dean of the College 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.

CHARLES ARTHUR MICHELS, M.S.(AGR.), *Assistant Professor of 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.

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, and Head of the Department of English*
A.B., University of Indiana; A.M., Harvard University; Ph.D., University of Heidelberg. 1917.

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.

ELLA LETITIA OLESEN, *Registrar*
University of Idaho. 1915.

WILLIAM HENRY PITTMAN, A.B., LL.B., *Assistant Professor of Law*
A.B., University of Washington; LL.B., University of Idaho. 1930.

THEODORE JAN PRICHARD, B.A., A.I.A., *Assistant Professor of Art, and Head of the Department of Art and Architecture*
B.A., University of Minnesota. 1926.

JOHN MILFORD RAEDER M.S., *Associate Professor of Plant Pathology, and Associate Plant Pathologist, Agricultural Experiment Station*
B.S.(Agr.), M.S., Iowa State College. 1921.

ELLEN REIERSON, M.S.(ED.), *Assistant Professor of Business Administration*
B.S.(Ed.), M.S.(Ed.), University of Idaho. 1926.

MABEL WINIFRED RENTFRO, A.M., *Assistant Professor of Classical and Modern Languages*
B.A., University of Idaho; A.M., Radcliffe College. 1925.

*On leave second semester, 1932-33.

JESSE EDWARD RETHERFORD. M.A., *Professor of European History and Civilization*
A.B., Indiana University; M.A., University of Chicago. 1928.

EDWARD FRANKLIN RINEHART, M.S.(AGR.), *Associate Animal Husbandman, Agricultural Experiment Station, and Extension Animal Husbandman* (Boise)
B.S.(Agr.), Ohio State University; M.S.(Agr.), University of Idaho. 1918.

*RALPH DOUGLAS RUSSELL, PH.D., *Professor of Secondary Education*
B.A., Union University; Ph.D., University of Iowa. 1926.

MARGARETTE LOUISE SARGENT, M.A., *Professor of Modern Languages*
M.A., Columbia University. 1920.

GEORGE SILAS SCHILLING, M.S., *Associate Bacteriologist, Agricultural Experiment Station*
B.S., University of Arkansas; M.S., Michigan State College. 1927.

IVA IRENE SELL, M.S., *Assistant Professor of Home Economics, State Supervisor of Home Economics, and Resident Teacher Trainer of Home Economics*
Ph.B., University of Chicago; M.S., University of Minnesota. 1932.

JOHN WYVILLE 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, PH.D., *Associate Professor of Entomology, Acting Head of the Department of Entomology, and Assistant Extension Entomologist, Agricultural Experiment Station*
B.S.. Iowa State College; M.S., University of Idaho; Ph.D., Iowa State College. 1926.

WALTER WAYNE SMITH, M.S.(ED.), *Associate Professor of Secondary Education and Director of Practice Teaching*
A.B., California Christian College; M.S.(Ed.), University of Idaho. 1928.

ROBERT SHIRLEY SNYDER, M.S.(AGR.), *Associate Professor of Agricultural Chemistry; and Agricultural Chemist, Agricultural Experiment Station*
B.S., Coe College; M.S.(Agr.), University of Idaho. 1919.

PHILIP HENDRICK SOULEN, M.A., *High School Inspector*
B.A., M.A., Hope College. 1906.

ARTHUR MERRILL SOWDER, M.S.(FOR.), *Assistant Professor of Forestry*
B.S.(For.), M.S.(For.), University of Idaho. 1927.

WILLIAM WESLEY STALEY, M.S.(MET.), *Assistant Professor of Mining and Metallurgy*
B.S., E.M., New Mexico School of Mines; M.S.(Met.), University of Idaho. 1928.

FRANK STANTON, LL.B., *Bursar*
LL.B., Drake University. 1911.

LYNN HUGHES STAUFFER, PH.D., *Assistant Professor of Physics*
B.S., Utah State Agricultural College; Ph.D., University of California. 1930.

HOWARD BROWN STOUGH, PH.D., *Professor of Zoology, and 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, and Head of the Department of Mathematics*
A.B., M.A., DePauw University. 1920.

DONALD RICHARD THEOPHILUS, M.S.(DAIRY BACT.), *Associate Professor of Dairy Husbandry, and Associate Dairy Husbandman, Agricultural Experiment Station*
B.S.(An. Hus.), B.S.(Dairy Mfg.), M.S.(Dairy Bact.), Iowa State College. 1927.

HENRIETTA JOSEPHINE TROMANHAUSER, PH.D., *Associate Professor of Modern Languages*
B.A., University of Chicago; Ph.D., University of Heidelberg. 1920.

LOWELL RAY TUCKER, M.S.(HORT.), *Assistant Professor of Horticulture, and Assistant Horticulturist, Agricultural Experiment Station*
B.S.(Agr.), University of Illinois; M.S.(Hort.), University of New Hampshire. 1930.

CLARENCE CORNELIUS VINCENT, PH.D., *Professor of Horticulture, and Horticulturist, Agricultural Experiment Station*
B.S.A., M.S., Oregon Agricultural College; M.S.(Agr.), Cornell University; Ph.D., Massachusetts Agricultural College. 1910.

HAROLD AARON VOGEL, M.S., *Assistant Professor of Business Administration, and Assistant Agricultural Economist, Agricultural Experiment Station*
B.B.A., M.S., University of Minnesota. 1931.

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*Acting Dean, School of Education, second semester, 1932-33.

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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.

WILLARD JOSEPH WILDE, M.S., C.P.A., *Assistant Professor of Business Administration*
B.S., University of Utah; M.S., University of California. 1924.

L. JANETTE WIRT, M.A., *Associate Professor of Physical Education for Women, and Head of the Department of Physical Education for Women*
B.A., University of Nebraska; M.A., Columbia University. 1923.

ELLA WOODS, PH.D., *Home Economist, Agricultural Experiment Station*
B.S., B.S.(H.Ec.), University of Idaho; A.M., Ph.D., Columbia University. 1927.

*On leave, 1932-33.

INSTRUCTORS AND ASSISTANTS IN INSTRUCTION

VADA HAZEL ALLEN, M.S., *Instructor in Botany*
B.S., M.S., University of Idaho. 1931.

WILLIAM CARR BANKS, M.A., *Instructor in English*
A.B., M.A., University of Washington. 1927.

BERENICE BARNARD, B.M., *Instructor in Music*
B.F.A., B.M., University of Nebraska. 1931.

FRANK L. BARNUM, Sgt., U. S. Army, *Assistant in Military Science and Tactics*
1926.

GEORGE WOLCOTT BEARDMORE, B.A., *Assistant in Business Law*
B.A., University of Idaho. 1932.

ARTHUR HENRY BEATTIE, M.A., *Instructor in Modern Languages*
B.A., M.A., University of British Columbia. 1931.

JOHN ASAHEL BECKWITH, M.A., *Instructor in English*
B.A., Gooding College; M.A., University of Idaho. 1928.

FRED CLAYSON BLANCHARD, M.A., *Instructor in Dramatics*
B.A., M.A., University of Washington. 1930.

DONALD WILLIAM BOLIN, B.S.(Agr.), *Assistant Agricultural Chemist, Agricultural Experiment Station*
B.S.(Agr.), University of Wisconsin. 1929.

AGNES MARIE BOTHNE, B.A., *Instructor in Music*
B.A., University of Minnesota. 1930.

WILLIAM HAROLD BOYER, M.S., *Instructor in Psychology*
B.S., M.S., University of Idaho. 1930.

KATY RAE HALL BOYER, M.A., *Instructor in Physical Education for Women*
B.S., University of Texas; M.A., Columbia University. 1932.

BOYD LYSCUM BRIGHAM, M.S.(ED.), *Supervisor of Practice Teaching in Agricultural Education*
B.S.(Agr.), M.S.(Ed.), University of Idaho. 1925.

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B.S., M.S., Iowa State College. 1931.

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B.A., Walla Walla College; B.A., Pacific University; M.A., University of Oregon. 1927.

GEORGE ROBERT CERVENY, M.A., *Graduate Assistant in English*
B.S.(Ed.), M.A., University of Idaho. 1930.

LAWRENCE HENRY CHAMBERLAIN, M.A., *Instructor in Political Science*
B.S.(Ed.), M.A., University of Idaho. 1931.

VIRGIL ARTHUR CHERRINGTON, M.S., *Instructor in Bacteriology, and Assistant Bacteriologist, Agricultural Experiment Station*
B.S., Iowa State College; M.S., University of Idaho. 1928.

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B.S, University of Idaho. 1931.

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B.S., Brooklyn Polytechnic Institute; M.Sc., University of the State of New York; D.Sc., University of Santa Clara. 1929.

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ROBERT ARTHUR DARROW, B.S., *Fellow in Botany*
B.S., New York State College of Forestry. 1932.

HAROLD JAMES ENSINGER, M.M., *Instructor in Music*
M.B., M.M., Eastman School of Music. 1932.

JOHN DUMAS EWING, LL.B., *Assistant in Law*
B.A., LL.B., University of Idaho. 1932.

MARION FEATHERSTONE, M.A., *Instructor in Home Economics*
B.S.(Ed.), University of Idaho; M.A., University of Southern California. 1931.

DAVID LESLIE FOURT, B.S.(Agr.), *Extension Dairyman, and Assistant Dairy Husbandman, Agricultural Experiment Station* (Boise)
B.S.(Agr.), University of Idaho. 1922.

DOROTHY MARY FREDRICKSON, B.M., *Instructor in Music*
B.M., University of Idaho. 1930.

ROBERT FULTON GREENE, B.S.(Ed.), *Proctor of Men*
B.S.(Ed.), University of Idaho. 1931.

ROWLAND WELLS HAEGELE, A.B., *Assistant Entomologist, Agricultural Experiment Station* (Parma)
A.B., Stanford University. 1928.

HENRY CHRISTIAN HANSEN, M.S.(Agr.), *Instructor in Dairy Husbandry, and Assistant Dairy Husbandman, Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1925.

LEONARD HELLAND, M.S.(M.E.), *Assistant in Physics*
B.S.(M.E.), M.S.(M.E.), University of Idaho. 1921.

LAURANCE LEONARD HOLLINGSHEAD, B.S., *Fellow in Psychology*
B.S. University of Idaho. 1932.

GEORGE ELMER HORTON, B.S.(E.E.), *Graduate Manager of Student Activities*
B.S.(E.E.), University of Idaho. 1923.

THEODORE ROOSEVELT HORNING, B.S.(Agr.), *Graduate Assistant in Agricultural Engineering*
B.S.(Agr.), University of Idaho. 1931.

PHILIP JOHN ISAAK, B.S.(Chem.), *Assistant Agricultural Chemist, Agricultural Experiment Station.*
B.S (Chem.), Kansas State College. 1930.

ALLEN SHEELEY JANSSEN, B.S.(Arch.), *Instructor in Civil Engineering*
B.S.(Arch.), University of Idaho. 1931.

REUBEN FREDERIC JOHNSON, B.S.(Agr.), *Assistant Animal Husbandman, and Assistant in Feeding Investigations, Agricultural Experiment Station* (Caldwell)
B.S.(Agr.), University of Idaho. 1929.

RAY HANSEN KELLEY, B.S.(Pre-Med.), *Fellow in Zoology*
B.S.(Pre-Med.), University of Idaho. 1932.

MARY BURNETTE KIRKWOOD, M.F.A., *Instructor in Art and Architecture*
B.A. University of Montana; M.F.A., University of Oregon. 1930.

PAULINE LAMAR, M.A., *Instructor in English*
B.S., Oregon State College; M.A., University of Idaho. 1929.

MIRIAM HARRIET LITTLE, B.M., B.F.A., *Instructor in Music*
B.M., B.F.A., University of Nebraska. 1930.

MABEL LOCKE, B.S., *Instructor in Physical Education for Women*
B.S., Northwestern University. 1930.

RAYMOND VICTOR LUNDQUIST, B.S.(Chem.E.), *Instructor in Fire Assaying*
B.S.(Chem.E.), University of Idaho. 1928.

JOHN JOY MCNAIR, M.S., *Fellow in Forestry*
B.A., Carleton College; M.S., University of Minnesota. 1932.

ALONZO WILBUR MARTIN, M.S., *Instructor in Chemistry*
B.S.(Chem.E.), M.S., University of Idaho. 1925.

MILTON WILLIAM MELZIAN, B.Arch., *Instructor in Art and Architecture*
B.Arch., University of Minnesota. 1929.

HARRY MILLER, M.S., *Instructor in Agricultural Engineering, and Assistant Agricultural Engineer, Agricultural Experiment Station*
B.S.(Agr.Engr.), University of Saskatchewan; M.S., University of Missouri. 1930.

WILLIAM DYKSTRA MILLER, Ph.D., *Instructor in Forestry*
B.A., Reed College; M.F., Ph.D., Yale University. 1932.

JANET HAWKINS MONTGOMERY, M.A., *Instructor in Philosophy*
B.S., M.A., University of Idaho. 1929.

WILLIAM CLOUD MOORE, B.S.(Bus.), *Instructor in Economics*
B.S.(Bus.), University of Idaho. 1930.

JOSEPH NEWTON, M.S.(Met.), *Research Assistant in Metallurgy*
B.S.(Met.), Montana School of Mines; M.S.(Met.), University of Idaho. 1930.

BERNT NIELSEN, U. S. Army, Retired, *Instructor in Cornet Playing and Leader of Cadet Military Band*
Graduate, Army Music School, Trondhjem, Norway. 1918.

JOHN COLEMAN NUNEMAKER, B.S.(Pre-Med.), *Fellow in Zoology*
B.S.(Pre-Med.), University of Idaho. 1932.

MARGUERITE ISABELLE OLIVER, B.S.(Ed.), *Teaching Fellow in Business Administration*
B.S.(Ed.), University of Idaho. 1932.

*FLOYD LESLIE OTTER, B.S.(For.), *Instructor in Forestry*
B.S.(For.), University of Idaho. 1930.

HOWARD EMERSON PACKENHAM, B.A., *Instructor in English*
B.A., College of Idaho. 1931.

VIRGINIA INADINE PECK, B.S., *Fellow in Zoology*
B.S., University of Idaho. 1931.

ROYALE KING PIERSON, B.A., *Fellow in Forestry*
B.A., University of Montana. 1932.

GENEVIEVE BUDROW POWELL, B.A., *Fellow in Philosophy*
B.A., University of Idaho. 1932.

ROBERT HOLLAND RARING, B.S.(Min.E.), *Research Fellow in Metallurgy*
B.S.(Min.E.), Lehigh University. 1932.

CHARLES ALFRED RASOR, B.S.(Geol.), *Teaching Fellow in Geology*
B.S.(Geol.), University of Idaho. 1932.

RUTH ELIZABETH REMBERG, M.S., *Assistant Plant Pathologist, Agricultural Experiment Station*
B.S., M.S., University of Idaho. 1930.

MALCOLM MACKENZIE RENFREW, B.S., *Fellow in Physics*
B.S., University of Idaho. 1932.

PAUL LAVERNE RICE, M.S.(Agr.), *Instructor in Entomology, and Assistant Entomologist, Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1931.

WILLIAM SCHROEDER, E.E., *Instructor in Mechanical Engineering*
B.S.(E.E.), E.E., University of Idaho. 1929.

LESTER LORENZ SCHULDT, M.A., *Instructor in English*
B.A., University of Minnesota; M.A., University of Idaho. 1927.

THEODORE ALLISON SHERMAN, A.B., *Instructor in English*
A.B., Stanford University. 1931.

CLARA BERNICE SIMON, B.S.(Bus.), *Teaching Fellow in Business Administration*
B.S.(Bus.), University of Idaho. 1932.

LITER ESTILL SPENCE, M.S.(For.), *Instructor in Forestry*
B.S.(For.), University of Idaho; M.S.(For.), University of California. 1930.

WILLIAM FRANCIS STANDEFORD, M.A., *Fellow in Education*
B.A., William Jewell College; M.A., University of Washington. 1932.

EARL RAYMOND STANSELL, B.S.(Agr.), *Assistant in Plant Pathology*
B.S.(Agr.), University of Idaho. 1932.

HERMAN WALTER STEFFENS, M.S., *Instructor in Zoology*
B.S.(Pre-Med.), M.S., University of Idaho. 1931.

THOMAS IVAN TAYLOR, B.S.(Chem.E.), *Assistant in Chemistry*
B.S.(Chem.E.), University of Idaho. 1931.

JESSIE BEATRICE THORNBER, M.S.(Ed.), *Supervisor of Practice Teaching in Home Economics*
B.S., South Dakota State College; M.S.(Ed.), University of Idaho. 1923.

OTTO TURINSKY, JR., B.S.(Chem.E.), *Instructor in Chemistry*
B.S.(Chem.E.), University of Idaho. 1929.

HILDEGARDE WANOUS, M.A., *Instructor in English*
B.A., M.A., University of Minnesota. 1927.

THEODORE ROOSEVELT WARREN, M.S.(Agr.), *Instructor in Dairy Husbandry, and Assistant Dairy Husbandman, Agricultural Experiment Station*
B.S.(Agr.), University of Idaho; M.S.(Agr.), Kansas State College. 1930.

ALBERT EDWARD WHITEHEAD, M.A., *Instructor in Public Speaking*
B.A., University of Colorado; M.A., University of Wisconsin. 1930.

MARLYS SHIRK WHITMAN, B.A., *Fellow in Philosophy*
B.A., University of Idaho. 1932.

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*On leave, 1932-33.

JAMES KENNETH WILLIAMS, B.S.(Agr.), *Assistant Poultry Husbandman, Agricultural Experiment Station*
B.S.(Agr.), Texas A. & M. College. 1931.

LONIE WOODS, 1st. Sgt., U. S. Army, *Assistant in Military Science and Tactics*
1921.

JOHN PHILIP WYMER, M.A., *Instructor in Mathematics*
A.B., M.A., University of California. 1931.

CAROL OSCAR YOUNGSTROM, M.S., *Assistant Agricultural Economist, Agricultural Experiment Station*
B.S., Oregon State College; M.S., Kansas State College. 1930.

CLARENCE FREDERIK ZEUCH, B.S.(Min.E.), *Research Fellow in Metallurgy*
B.S.(Min.E.), Case School of Applied Science. 1932.

LIBRARY ASSISTANTS

AGNES CHRISTIANA PETERSON, A.B., *Assistant Librarian*
A.B., University of Washington. 1922.

MILDRED HANSEN KERR, B.A., *Loan Assistant*
B.A., University of Oregon. 1929.

NEDRA LUCILLE LEBLOND, B.A., B.S.(L.S.), *Periodical Assistant*
B.A., B.S.(L.S.), University of Washington. 1930.

CATHERINE ELIZABETH JONES, B.S.(L.S.), *General Assistant*
B.S.(L.S.), University of Washington. 1930.

GLADYS VIRGINIA BAKER, B.L.S., *Cataloger*
B.L.S., University of Illinois. 1932.

GUINEVERE A. LAMSON, B.A., B.S.(L.S.), *Reserve Assistant*
B.A., University of Oregon; B.S.(L.S.), Columbia University. 1932.

ASSISTANTS IN ADMINISTRATION AND SERVICE

HELEN HUDELSON ADAMS, *Stenographer,* College of Agriculture. 1931.

THOMAS REGINALD ASHLEE, *Florist.* 1927.

LILLIAN ELLEN BAIR, *Secretary* to Graduate Manager. 1931.

AMALIE BARING, *Cashier,* Office of Bursar. 1924.

SIDNEY CHESLEY BATES, *Chief Engineer,* Heating System. 1910.

HAZEL CLAIRE BOLES, *Stenographer,* Department of Poultry Husbandry. 1930.

MARY ELLEN BROOD, *Stenographer,* College of Agriculture. 1926.

STANLEY S. BROWN, *Sheep Herdsman.* 1923.

CAROL DOROTHY BUE, *Stenographer,* Office of Bursar. 1930.

LYDIA BUE, *Statistics Clerk,* Office of Registrar. 1929.
University of Idaho. 1929.

NELLIE BUE, *Assistant Accountant,* Office of Bursar. 1929.

FREDERIC LEO BURKART, *Field Superintendent* in Agronomy. 1915.

MILDRED REGINA CARLSON, B.S.(Bus.), *Clerk,* Office of Bursar
B.S.(Bus.), University of Idaho. 1932.

ANNA COLBY, *Nurse,* Infirmary. 1926.

DOROTHY MCCAULEY COX, B.S.(Ed.), *Clerk,* Office of Bursar
B.S.(Ed.), University of Idaho. 1931.

CHARLES DAGMAN, *Machinist.* 1931.

KENNETH ANDREW DICK, B.S.(Bus.), *Assistant Accountant,* Office of Bursar
B.S.(Bus.), University of Idaho. 1931.

MATTHEW DIETHELM, *Painter.* 1930.

*BEATRICE DAYTON DOLAN, B.S., *Chief Clerk,* Placement Service
B.S., University of Idaho. 1930.

ELIZABETH AGNES DRISCOLL, B.A., *Secretary* to Head of Department of Agricultural Engineering
B.S., University of Idaho. 1930.

GERTRUDE ANNE EVANS, *Secretary* to Dean of Women
University of Idaho. 1932.

HELEN REBECCA FLACK, *Secretary* to Dean of the College of Letters and Science
University of Idaho. 1931.

WILLIAM J. FLORENCE, *Beef Cattle Herdsman.* 1928.

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*Resigned March 1, 1933.

LAWRENCE WILLIAM FOSKETT, B.S.(E.E.), *Assistant Electrician*
B.S.(E.E.), University of Idaho. 1929.

CHARLES EDGAR GABBY, *Dairy Cattle Husbandman.* 1921.

SIGNE GILBERTSON, *Secretary* to State Home Demonstration Leader. 1929.

LAVINIA ADELINE GROSS, *Stenographer,* College of Agriculture. 1925.

CECIL HAGEN, B.A., *Assistant* in Department of Publications
B.S., University of Idaho. 1930.

VIOLET MIRIAM HAGEN, *Secretary* to Dean of the School of Forestry
University of Idaho. 1929.

GEORGE CLEMENT HALLAM, *Carpenter.* 1908.

AGNES KERR HITE, *Secretary* to Dean of the College of Agriculture. 1931.

RHODA HOBSON, *Head of the Stenographic Bureau.* 1911.

VIRGINIA MERRIAM HOCKADAY, B.A., *Clerk,* Office of Registrar
B.A., University of Idaho. 1931.

RUTH LUECK INGEBRITSEN, B.A., *Credential Clerk,* Office of Registrar
B.A., University of Wisconsin. 1930.

EDWARD WILLIAM JARBOE, B.S.(Bus.), *Secretary* to Superintendent of Buildings and Grounds
B.S.(Bus.), University of Idaho. 1932.

CONSTANCE JOHNSON, *Secretary,* Office of the President. 1930.

ALICE ROSEMARY KELLY, B.S.(H.Ec.), *Cafeteria Director,* Hays Hall
B.S.(H.Ec.), University of Idaho. 1931.

RALPH KENNEDY, *Electrician*
University of Idaho. 1920.

MARGARET FRANCES KING, B.S.(Ed.), *Recording Clerk,* Office of Registrar
B.S.(Ed.), University of Idaho. 1931.

CLARENCE EDWIN MITCHELL, *Storekeeper.* 1930.

ELIZABETH NYE, B.S.(L.S.), *Secretary* to Librarian
B.S.(L.S.), University of Washington. 1932.

MELBA BLOUGH OGG, R.N., *Nurse,* Infirmary
R.N., Deaconess Hospital, Spokane. 1927.

ALICE KATHERINE O'HARA, B.S.(Bus.), *Stenographer,* Department of Dairy Husbandry
B.S.(Bus.), University of Idaho. 1932.

WINIFRED BARBARA OLSON, R.N., *Nurse,* Infirmary
R.N., Deaconess Hospital, Spokane. 1930.

MARY ELLEN OWINGS, B.A., *Clerk,* Office of Registrar
B.A., University of Idaho. 1929.

EDNA PETERSON, R.N., *Head Nurse,* Infirmary
R.N., St. Joseph's Hospital, Vancouver, Wn. 1926.

HOWARD PFANDER, *Swine Herdsman.* 1922.

CLEMENT LEE PRICE, *Forest Nurseryman.* 1910.

MYRTLE IRENE RACH, B.S.(Ed.), *Secretary and Assistant* to the Registrar
B.S.(Ed.), University of Idaho. 1930.

ELMER ROTH, *Assistant Engineer,* Physical Plant. 1929.

INEZ TRACY ROULSTON, *Secretary,* School of Mines. 1929.

FLORENCE RACHEL SAMPSON, *Clerk,* Office of Bursar.
University of Idaho. 1929.

EARL SAWYER, *Herdsman.* 1927.

LENA SHOUP, *House Mother,* Hays Hall. 1927.

WILMA MCKAY SILVER, *Clerk,* Office of Bursar. 1931.

AUGUST GOTFRED SKOG, *Head Janitor.* 1909.

BERTHA ELLENE SPARKS, B.A., *Assistant* in Department of Publications
B.A., University of Iowa. 1928.

LUCIE THROCKMORTON, *Secretary* to County Agent Leader
University of Idaho. 1918.

GEORGE TOMER, *Foreman,* University Farm. 1922.

OTTO TURINSKY, SR., *Head Gardener.* 1929.

GEORGE VAN, *Foreman,* Poultry Farm. 1921.

OFFICERS OF EXTENSION DIVISION
(Agriculture and Home Economics)

EDWARD JOHN IDDINGS, M.S., *Dean of the College of Agriculture and Director of Extension Division*

AGNES KERR HITE, *Secretary* to the Director. 1931.

Field Staff

JESSIE CAMERON AYERS, A.B., *State Seed Analyst* — Noble Building, Boise
A.B., University of Washington. 1919.

LESTER VANCE BENJAMIN, M.S.(Agr.), *Assistant Extension Agronomist* — State House, Boise
B.S.(Agr.), Michigan State College; M.S.(Agr.), University of Idaho. 1932.

EDMUND ROSWELL BENNETT, M.H., *Extension Horticulturist* — State House, Boise
B.S., M.H., Michigan State College. 1916.

EZRA TAFT BENSON, M.S., *Agricultural Economist* — State House, Boise
B.S., Brigham Young University; M.S., Iowa State College. 1929.

HARRY LOWE SPENCE, JR., B.S.(Agr.), *Extension Agronomist, and State Seed Commissioner.* — State House, Boise
B.S.(Agr.), University of Idaho. 1931.

STANLEY CAIPHUS CLARKE, B.S.(For.), *Extension Forester* — Moscow
Ph.C., University of Illinois; B.S.(For.), University of Idaho. 1931.

MARJORIE EASTMAN, M.A., *Clothing Specialist* — State House, Boise
B.S., Simmons College; M.A., Columbia University. 1926.

DAVID LESLIE FOURT, B.S.(Agr.), *Extension Dairyman* — State House Boise
B.S.(Agr.), University of Idaho. 1922.

MARION MARTHA HEPWORTH, B.S.(H.Ec.), *State Home Demonstration Leader, and Nutrition Specialist* — Moscow
B.S.(H.Ec.), Kansas State College. 1924.

GEORGE TAYLOR HUDSON, B.S., *Assistant Agricultural Economist* — State House, Boise
B.S., University of Missouri. 1931.

GUY RAYMOND MCDOLE, M.A., *Extension Specialist in Soils* — Moscow
B.S., M.A., University of Nebraska. 1920.

PREN MOORE, *Poultry Specialist* — State House, Boise
University of Idaho. 1919.

THOMAS B. MURRAY, *Rodent Control Leader* — State House, Boise
1928.

JOHN HENRY REARDEN, B.S., *State County Agent Leader and State Club Leader* — Moscow
B.S., Oregon State College. 1920.

EDWARD FRANKLIN RINEHART, M.S.(Agr.), *Extension Animal Husbandman* — State House, Boise
B.S.(Agr.), Ohio State University; M.S.(Agr.) University of Idaho. 1918.

WESLEY EARL SHULL, Ph.D., *Assistant Extension Entomologist* — Moscow
B.S., Iowa State College; M.S., University of Idaho; Ph.D., Iowa State College. 1926.

LEON B. TAYLOR, B.S.(Agr.), *Assistant Extension Animal Husbandman* — State House, Boise
B.S.(Agr.), University of Idaho. 1930

*CLAUDE WAKELAND, M.S., *Extension Entomologist* — Moscow
B.S.(Agr.), M.S., Colorado Agricultural College. 1920.

County Agents

TRUMAN CARLTON ANDERSON, B.S.(Agr.), *County Extension Agent, Lincoln County* — Shoshone
B.S.(Agr.), Washington State College. 1927.

DLEBERT T. BOLINGBROKE, B.S.(Agr.), *County Extension Agent, Madison County* — Rexburg
B.S.(Agr.), Utah Agricultural College. 1926.

CHARLES WARREN DAIGH, B.S., *County Extension Agent, Bannock County* — Pocatello
B.S., Oregon State College. 1930.

ROBERT HERSCHEL DAVIDSON, B.S.(Agr.), *County Extension Agent, Ada County* — Boise
B.S.(Agr.), Oregon State College. 1932.

ALMA EARL DUKE, B.S.(Agr.), *County Extension Agent, Bear Lake County* — Paris
B.S.(Agr.), University of Idaho. 1931.

FRED ASHTON FINCH, B.S.(Agr.), *County Extension Agent, Caribou County* — Soda Springs
B.S.(Agr.), Montana State College. 1932.

HARVEY S. HALE, B.S.(Agr.), *County Extension Agent, Twin Falls County* — Twin Falls
B.S.(Agr.), Oregon State College. 1930.

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, Franklin County* — Preston
B.S.(Agr.), Utah Agricultural College. 1921.

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*On leave, 1932-33.

THOMAS JEFFERSON 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*
B.S.(Agr.), University of Idaho. 1927. Rupert

GUY THEODORE MCALEXANDER, B.S.(Agr.), *County Extension Agent, Benewah County*
B.S.(Agr.), Colorado Agricultural College. 1930. St. Maries

OTIS ELMER MCCONNELL, B.S.(Agr.), *County Extension Agent, Gooding County*
B.S.(Agr.), University of Missouri. 1921. Gooding

WILLIAM WENDELL PALMER, B.S.(Agr.), *County Extension Agent, Cassia County*
B.S.(Agr.), University of Idaho. 1927. Burley

WILLIAM EBER RAWLINGS, B.S.(Agr.), *County Extension Agent, Bonneville County*
B.S.(Agr.), Purdue University. 1931. Idaho Falls

JOHN ROLAND ROBERTSON, B.S.(Agr.), *County Extension Agent, Fremont County*
B.S.(Agr.), University of Idaho. 1927. St. Anthony

RAYMOND JAMES SMITH, B.S.(Agr.), *County Extension Agent, Oneida County*
B.S.(Agr.), Utah Agricultural College. 1918. Malad

THOMAS EDWARD SPEEDY, B.S.(Agr.), *County Extension Agent, Jerome County*
B.S.(Agr.), University of Idaho. 1927. Jerome

WESLEY ROOSEVELT SPENCER, B.S.(Agr.), *County Extension Agent, Gem County*
B.S.(Agr.), University of Idaho. 1931. Emmett

EDWIN NELSON STORMS, *County Extension Agent, Boundary County* Bonners Ferry
University of Idaho. 1929.

HAROLD RALPH STUCKY, B.S.(Agr.), *County Extension Agent, Power County*
B.S.(Agr.), University of Idaho. 1929. American Falls

WALTER FRANCIS THOMAS, B.S.(Agr.), *County Extension Agent, Bonner County*
B.S.(Agr.), University of Idaho. 1921. Sandpoint

JOSEPH WILLIAM THOMETZ, *County Extension Agent, Nez Perce County* Lewiston
University of Idaho. 1929.

MERLE L. TILLERY, B.S.(Agr.), *County Extension Agent, Bingham County* Blackfoot
B.S.(Agr.), Colorado Agricultural College. 1925.

Home Demonstration Agents

HATTIE JULIA ABBOTT, B.S.(H.Ec.), *District Home Demonstration Agent, North Central District* Moscow
B.S.(H.Ec.), Kansas State College. 1929.

LEATHA CHRISTENSEN, B.S.(H.Ec.), *District Home Demonstration Agent* Idaho Falls
B.S.(H.Ec.), Utah Agricultural College. 1929.

MAGDALENA CLEMENTS, B.S., *District Home Demonstration Agent* Rupert
B.S., Oklahoma A. & M. College. 1931.

GENEVIEVE HUNTER, B.S.(H.Ec.), *District Home Demonstration Agent, Northern District* Moscow
B.S.(H.Ec.), Utah Agricultural College. 1929.

VIVIAN MINYARD, B.S.(H.Ec.), *District Home Demonstration Agent* Boise
B.S.(H.Ec.), Washington State College. 1931.

HELEN PIXTON, M.S.(H.Ec.), *District Home Demonstration Agent* Pocatello
B.S.(H.Ec.), University of Utah; M.S.(H.Ec.), Oregon State College. 1931.

Club Agents

GEORGE CLARENCE ANDERSON, B.S.(Agr.), *District Extension Agent* Boise
B.S.(Agr.), Kansas State College. 1922.

JAMES WARREN BARBER, B.S.(Agr.), *District Extension Agent* Pocatello
B.S.(Agr.), University of Idaho, 1921.

WILLIAM LOUIS STEPHENS, B.S.(Agr.), *District Extension Agent* Moscow
B.S.(Agr.), University of Idaho. 1926.

CECIL ROOSEVELT TULLEY, B.S.(Agr.), *County Club Agent, Bannock County*
B.S.(Agr.), University of Idaho. 1932.

DANIEL EMERSON WARREN, B.S.(Agr.), *District Extension Agent* Burley
B.S.(Agr.), University of Idaho. 1929.

Superintendents of Experiment Substations

JOHN LEONARD TOEVS, B.S.(Agr.) Aberdeen
B.S.(Agr.), University of Idaho. 1931.

DAVID A. STUBBLEFIELD Caldwell
1920.

WILLIAM ALFRED MOSS, B.S.(Agr.) Tetonia
B.S.(Agr.), Kansas State College. 1918.

JOHN HENRY CHRIST, M.S.(Agr.) Sandpoint
B.S.(Agr.), University of Idaho; M.S.(Agr.), Iowa State College. 1921.

RESEARCH STAFF

Idaho Bureau of Mines and Geology

JOHN WELLINGTON FINCH, Sc.D., *Secretary and Director*
B.A., M.A., Sc.D., Colgate University. 1930.

ARTHUR WILLIAM FAHRENWALD, Met.E., *Metallurgist*
B.S.(Met.), Met.E., South Dakota School of Mines; E.M., New Mexico School of Mines. 1919.

FRANCIS BAKER LANEY, Ph.D., *Geologist*
B.S., Drury College; M.A., University of Wisconsin; Ph.D., Yale University. 1920.

ALFRED LEONARD ANDERSON, Ph.D., *Geologist*
B.S.(Chem.E.), M.S.(Geol.), University of Idaho; Ph.D., University of Chicago. 1923.

DOUGLAS CLERMONT LIVINGSTON, E.M., *Geologist*
B.S., E.M., McGill University. 1919-1923, 1930.

WILLIAM WESLEY STALEY, M.S.(Met.), *Mining Engineer*
B.S., E.M., New Mexico School of Mines; M.S.(Met.), University of Idaho. 1928.

RAYNARD VICTOR LUNDQUIST, B.S.(Chem.), *Chemist*
B.S.(Chem.), University of Idaho. 1928.

JOSEPH NEWTON, M.S.(Met.), *Research Assistant in Metallurgy*
B.S.(Met.), Montana School of Mines; M.S.(Met.), University of Idaho. 1930.

ROBERT HOLLAND RARING, B.S.(Min.E.), *Research Fellow in Metallurgy*
B.S.(Min.E.), Lehigh University. 1932.

CLARENCE FREDERIK ZEUCH, B.S.(Min.E.), *Research Fellow in Metallurgy*
B.S.(Min.E.), Case School of Applied Science. 1932.

CHARLES ALFRED RASOR, B.S.(Geol.), *Teaching Fellow in Geology*
B.S.(Geol.), University of Idaho. 1932.

OFFICE OF BLISTER RUST CONTROL
BUREAU OF PLANT INDUSTRY

In cooperation with the School of Forestry

FRANK A. PATTY, M.S., *Assistant Pathologist, U.S.D.A.*, in charge of Ribes Germination Studies
B.S., M.S., Oregon State College. 1932.

GEORGE ERNEST DRAPER, B.S., *Assistant Chemist*
B.S., University of Arizona. 1930.

STANDING COMMITTEES OF THE FACULTY

ACADEMIC COUNCIL:
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ADMINISTRATIVE COUNCIL FOR THE JUNIOR COLLEGE:
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AFFILIATION WITH STATE TEACHERS' ASSOCIATION:
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REPRESENTATIVE ON A.S.U.I. BOARD:
Dean Crawford.

REPRESENTATIVE IN ATHLETIC CONFERENCE:
Dean Crawford.

ATHLETICS:
Dean Crawford, Chairman; Professors Axtell, Calland, Fahrenwald, Hubert, Hulbert, Rearden, Wirt.

BUILDINGS AND GROUNDS:
Mr. Lind, Chairman; Dean Miller; Professors Beresford, Vincent, von Ende.

CALENDAR:
Professor Church, Chairman; Dean French; Professor Snyder; Mr. Horton; A.S.U.I. Representative, Kathryn J. Collins.

DINING HALLS:
Mr. Lind, Chairman; Dean French; Mr. Packer.

DISCIPLINE:
Professor Hickman, Chairman; Professors Buchanan, Howard, Taylor; Student Representatives; Henry Ferd Koch, Robert H. Harris.

EXHIBITS:
Dean Iddings, Chairman; Professors Beresford, Hubert, Jensen, Snyder; Mr. Fitzgerald.

FACULTY LOAN FUND OF 1932:
Professor Taylor, Chairman; Professors Buchanan, DuSault.

GRADUATE SCHOOL:
Dean Hungerford, Chairman; Deans Farmer, Messenger; Professors Fahrenwald, Hubert, Miller; Miss Olesen.

HEALTH AND HOUSING:
Professor Halversen, Chairman; Dean French; Professors Callant, Lewis, Stough, Wirt; Doctors Armstrong, Einhouse; Miss Peterson.

LIBRARY:
Miss Sweet, Chairman; Deans Masterson, Farmer; Professors Church, Howe, Johnson, Laney, Nordby.

LOAN FUNDS:
Mr. Stanton, Chairman; Professors Taylor, Tromanhauser.

NON-RESIDENT STATUS OF STUDENTS:
Dean Masterson, Chairman; Dean Kerr; Professor Howard.

PROMOTION OF SCHOLARSHIP:
Professor Taylor, Chairman; Dean Hungerford; Professors Graue, Johnson, Tromanhauser, von Ende.

PUBLICATIONS:
Mr. Fitzgerald, Chairman; Dean Farmer; Professors Axtell, Barton, Wakeland; Miss Olesen.

PUBLIC EVENTS:
Dean Kerr, Chairman; Deans Hungerford, Messenger, Miller; Professors Cummings, Jensen, Miller.

REGISTRATION AND SCHEDULE:
Miss Olesen, Chairman; Deans Farmer, Kostalek, Masterson, Messenger; Professors Axtell, DuSault, Johnson, Staley, Vincent; Mr. Stanton.

STUDENT ORGANIZATIONS:
General Chrisman, Chairman; Deans Crawford, French, Kostalek; Professor Barton.

PART VII

Alumni Organization
Degrees Conferred
Honor List

The Alumni Association

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..... Leo V. Fleming, '25, Spokane
..... Paul T. Peterson, '15, Idaho Falls
..... J. Lawrence Hodgin, Ex-'19, Twin Falls
..... Enderse G. Van Hoesen, '21, Mesa
Secretary-Treasurer ..... Jesse E. Buchanan, '27, Moscow

Degrees Conferred in June, 1932

COMMENCEMENT ADDRESS

THE REV. HAROLD LEONARD BOWMAN, D.D.
First Presbyterian Church, Portland, Oregon

BACCALAUREATE DEGREES

College of Letters and Science

BACHELOR OF ARTS

Gus Carr Anderson
David Harry Angney
Milo Clifton Axelsen
William Arthur Babcock, Jr.
Leona Nessly Ball
Arthur Clair Barrett
Mary Helen Brosnan
Lionel Thaddeus Campbell
Edith Chenoweth
Harold Walter Coffin
Katheryn Hart Conger
Paul Gerald Dolan
Paul George Eimers
Virginia Belle Evans
Wayne Howard Farley
Vera Ruth Forbis
Lucille May Fredrickson
Joseph Gordon Giles
Charlotte Rowena Ginn
Dale Marvin Goss
Hester Hamilton
Helen Ethel Hanson
Lillian Hejtmanek
Ruby Winifred Himes
Mary Lucile Kerr
York Alphonsus Kildea
Winifred Beth LaFond
Charles McConnell
Agnes Cletus McKeirnan
Jack Francis McQuade
Paris Townsend Martin
Jane Maxwell
Ralph Webb Olmstead
Verna Delia Pardue
Helen Arlene Parrott
Thelma Bernadine Pearce
Benjamin Plastino
Lois Marie Porterfield
Mary Elizabeth Proctor
Jack Richard Puhl
Myrl Rosalind Rentfro
Dorothy Miranda Richardson
Olive Helen Sheffield
Beulah Berniece Simmons
Helen Dorothy Simpson
Karam Singh
Stanley Sheldon Spaid
Catherine Elizabeth Talkington
LaVernon Grace Thomas
Robert Clarence Vincent
Pearl Hazel Walters
Lillian Maude Wesler
Ruth Regina Jane West
Fred Whiffin Wilkie
Constance Helen Woods

BACHELOR OF SCIENCE

Chester Wayne Christensen
Linn Duncan Cowgill
Laurance Leonard Hollingshead
Donnell Hodge Hunt
Harold Lundgren Larson
Roger Harmon McConnel
Warren Benton McDaniel
Lawrence Layne Peck
Rex Burns Pontius
Elton Traver Reeves
Malcolm MacKenzie Renfrew
George Robert Swindaman
Jean Marie Tedford
Harry Willard Terwilleger
Milton Elmer Vetter

Bachelor of Science in Pre-Medical Studies

Robert Homer Bell
William Jarvis Hall
Russell Bratton Hanford
Glen LaValley Hays
Harry Lee Horswill
Ray Hansen Kelley
Morris Edward Kuckku
Robert Earl McClusky
John Coleman Nunemaker
Wallace Hamilton Pierce
Rattan R. S. Singh
Glen T. Smith
Louis DeSpain Smith
Ronald Martin Smith (class of 1931)
George Warren Wedgwood

Bachelor of Science in Pre-Nursing Studies

Esther Malissia Callender
Helen Irene Dalton
Rhoda Margaret Woodward

Bachelor of Science in Home Economics

Elizabeth Gail Bell
Dahrl Elizabeth Bockwitz
Mary Janet Gooding
Marjorie Griffith
Pearl Snyder Hadley
Mary Ellen Heckathorn
Dorothy Mae Janssen
Mabel Margaret Leitch
Valetta Agnes L'Herisson
Irene Luke
Ardith Reed Mellinger
Fern Robinson
Lena Belle Rogers
Maxine Thornhill
J. Austa White
Beth Lois Wood

Bachelor of Music

Elizabeth Florence Gilmore
Gladys Elizabeth Gleason

Bachelor of Science in Architecture

Lloyd E. Stalker

College of Agriculture

Bachelor of Science in Agriculture

Thomas Donald Bell
Harold Forbes Brown
Edwin Roy DeKay
Angel Eugenio Fontanilla
Joseph Andreas Gillett
Fred Marvin Guyot
Charles Worth Heath
Joseph William Heward
John Jefferson Hohnhorst
Glenn Carlos Holm
Reed Hunter Lewis
Elvis Wilson McCoy
Bachittar Singh Mahngar
Frederick Albert Mark
Arthur Wesley Middleton
James Harold Nelson
Ralph Lee Olmstead
Kermit Ferdinand Olson
Bernard Milton Otness
Ernest Joseph Palmer
Glenn William Pratt
Alfred O. Shaw
Jesse Raymond Spencer
Earl Raymon Stansell
Martin Tollef Thorsen
Edwin John Wellhousen

College of Engineering

Bachelor of Science in Civil Engineering

William James Attridge
Palmer Winslow Bue
Charles Crego Cross
John Worth Daugherty
Vernon Arthur Eaton
Carl Clifford Hallvik
John O. Izatt
Carl Olof Larson
Ernest Dean Peterson
Roman Bolompo Ramos
Walter Earl Spencer
Ervin LaVerne Werner

Bachelor of Science in Electrical Engineering

Hubbell Carpenter
Walter Alexander Crawford
John Francis Donovan
Glenn Edward Gage
James Gordon Hannum
George R. Johnson
Hugo Alfred Johnson
Fred Alex Lindberg
James Daniel McLaughlin
Wallace Frederick McPhillamey
Frederick Fezer Roberts
Virgil Nelson Thompson
Parker Everington Wickwire

Bachelor of Science in Mechanical Engineering

Ernest Frederick Brasch
Gordon Walter Hauck
Henry Ambrose Lacy
William Truscott Lancaster
Edwin John Parker
Melvin Truman Rose
Robert Samuel Swanson

Bachelor of Science in Chemical Engineering

Harvey William Edelblute
Harold Oliver Niedermeyer
Walter Lowell Waggoner
Henry Howard Worley

College of Law

Bachelor of Laws

Stanley Dean Arnold
Robert Eugene Brown
Edward George Cross
William Stanley Dolan
John Dumas Ewing
William Stark Hawkins
Laurence Nichols Smith
Frank Delmore Smuin
Norman Virgil Stedtfeld
Robert Ellwood Voshell

School of Mines

Bachelor of Science in Mining Engineering

Robert Danford Baily
Joseph Kenneth Cremans
George Donald Emigh
Roy Albert Johnson

Bachelor of Science in Geology

Charles Alfred Rasor
Karl Andrew Salskov

School of Forestry

Bachelor of Science in Forestry

Milton Dale Andrews
Paul William Aust
Stanley C. Clarke
Melvin Arthur Coonrod
Floyd Morgan Cossitt
(class of 1924)
Jack Bruce Dodd
Charles Edward Fifield
Robert Bailey Johnson
Earl Simon Morganroth
Virgil Daniel Moss
Joseph Frank Pechanec
Allen Parke Swayne
Cyprian Douglas Neufville Taylor

School of Education

Bachelor of Science in Education

Elmer Harold Adkins
Raymond Albert Anderson
Velma Andrasen
Venna Andrasen
Adena Dorothea Bates
Georgia Mae Bell
Ross Aubrey Bennett
Howard Edwin Berg
Frances Margaret Bloom
Joseph William Burke
Lavilla Grace Cobb
Dorothy Craven
Francis John Craven
John Arthur Croy
Katherine Louise Cuddy
Clyde Dawald
Gertrude Margeurite DeWinter
Elizabeth Taylor Dick
Clarence James Doyle
Robert Drummond
Edna Ladine Durbin
Helen Mayneen Eddy
Noel Leo Franklin
Robert Fulton Greene
Margaret Elizabeth Grohosky
Evon Herbert Gustafson
Lawrence Ray Harker
Raymond Kenoyer Harris
Milan Elven Hawk
Kenneth Robert Hensley
Bess Louise Hogg
Loren LaVerne Hughes
Edward Hoyt Isenberg
Harold John Jacobs
Jolene Johnson
Lewis Paul Jones
Katherine Mary Kearns
Mildred Grace King
Helen Margarie Kurdy
Reta Loudermilk
Willard Merril Lundin
Ina Mae McCrea
Edna Hedlund Miller
Bertha Free Moore
Alphonse Stephen Moser
Cecilia Rose Nacke
James Alden Norell
Bula Bechtel Normington
Gunvor Pauline Northug
Herbert Evan Owens
Lois Allerton Patch
Edward Eli Poulton
Grace Esther Raphael
Florence Ethel Rietze
Harry Alexander Robb
Fern Helen Scott
Martha Mahala Shawen
Ralph Arthur Shawen
Zedna Armour Smith
Arthur Earl Spaugy
Ruth Edna Steele
Harold Bowman Stowell
Roland Benjamin Sturman
John Jay Taggart
Fay St. Ores Tatro
(class of 1931)
Georgia Emma Thomas
Gladys Ione Timken
Dorothy Clara Torgerson
Harry Arthur Walden
William Franklin Warner
Grace Margaret Warren
Dessie Estelle West
Elizabeth Rebecca Williams
Elizabeth Steward Williams
Verona Wilhelmina Wolff
Beulah Hester Wright
Carl Boyce Yanik

Bachelor of Science in Music Education

Sue Compton Armour
Virginia Evans
Maude Estelle Garnett
Joan Marion Harris
Clifford James Mullikin
Pauline Harriet Paterka
Helen Ruth Stetler
Lois Marian Thompson

School of Business Administration

Bachelor of Science in Business

Charles Ambrose Adams
Henry Baetkey
Howard Maurice Ballif
Gerald Haynes Bartholow
Helen Marie Benson
Edward Patrick Byrne
Helen Elizabeth Carney
Charles Graham Cheney
Gene Moore Conger
Philip Lester Corneil
Dorothy Irene Dewey
Donald Robert Equals
Joseph Albert Filseth
Albert William Fricke (class of 1931)
Elijah Vance Frost
Robert Willis Grant
Charles Lillard Graybill
Stanton Gudman Hale
Cecil Elmo Hart
Edward William Jarboe
John Alois Jenny
Carl Frederick Jockheck
John Oliver Johnson
George Paul Jullion
Kenneth Edwin Kail
Jay Emerson Kendrick
Eugene Lowry Kunkel
Daniel J. Lopez
Robert Walter Manning
Katherine Caroline Mikkelson
Ruth Adelaide Mitchell
Thomas Fenton Neilson
Donald Eugene Nicholson
Alice Katherine O'Hara
Jesse Harrison Patch
Ina Millicent Peterson
Cecil Anderson Pfost (class of 1931)
Helen Marie Powers
Bernard Nathaniel Ramstedt
George Fredrick Rieger
Francis Ernest Roesch
Martin Bernard Rosell
Stanley Frank Rusho
Cecil Albert Sanders
Lura Lee Sharp
Harold Raymond Sherry
Vernon Reginald Sogard
James Peyton Sommercamp
Sidney Phillip Walden
Harry Lloyd Young

ADVANCED DEGREES

Master of Arts

Name	Present Degree	Major Department
Lawrence Henry Chamberlain,	B.S.(Ed.), University of Idaho, 1930	*Political Science*
Edmund Raymond Cody,	A.B., Mount Saint Mary's College, 1922	*American History*
Elsie Jean Collette,	B.A., University of Idaho, 1928	*English*
Charles Cecil Maulding,	B.A., College of Idaho, 1929	*Philosophy*
Emma Viola Nelson,	B.A., University of Idaho, 1929	*English*
Roger Peterson Oliver,	A.B., Augustana College, 1922	*Philosophy*
Bethel Packenham Poulton,	B.A., University of Idaho, 1931	*English*
George Christian Space,	B.A., University of Idaho, 1921	*History*
Ada Martha Yost,	B.A., University of Idaho, 1926	*English*

Master of Science

Vada Hazel Allen,	B.S., University of Idaho, 1927	*Botany*
William C. Carpenter,	B.S., University of Idaho, 1923	*Biology*
Vivian Virginia Edmiston,	B.S., University of Idaho, 1931	*Chemistry*
Nancy Allen Finch,	B.A., University of Colorado, 1930	*Bacteriology*
Ernest Johnson,	B.A., Illinois College, 1931	*Zoology*
Ruth Marie Ragan,	B.S., University of Idaho, 1931	*Zoology*

Master of Science in Agriculture

George Clarence Anderson,	B.S.(Agr.), Kansas State Agricultural College, 1921	*Dairy Husbandry*
Lester Vance Benjamin,	B.S., Michigan State College, 1920	*Agronomy*
Ralph Scott Bristol,	B.S.(Agr.), University of Idaho, 1924	*Agronomy*
Robert Calder Cassell,	B.S., Iowa State College, 1930	*Plant Pathology*
Alfred Wright Jackson,	B.S.(Agr.), University of Idaho, 1931	*Agricultural Education*
James Alton McIlhattan,	B.S., Montana State College, 1931	*Dairy Husbandry*
Frank Leonard Mleynek,	B.S., Iowa State College, 1931	*Dairy Husbandry*
Paul LaVerne Rice,	B.S.(Agr.), University of Idaho, 1931	*Entomology*
Edward Franklin Rinehart,	B.S.(Agr.), Ohio State University, 1910	*Animal Husbandry*
Alfred O. Shaw,	B.S.(Agr.), University of Idaho, 1932	*Dairy Husbandry*

Master of Science in Metallurgy

Henry Gordon Poole, B.S., Case School of Applied Science, 1931 — *Metallurgy*
William Herman Reck, B.S.(Met.), Michigan College of Mining and Technology, 1931 — *Metallurgy*

Master of Science in Geology

John Tyer Carpenter, B.S.(Geol.), University of Idaho, 1931 — *Geology*
Edward Langdon Tullis, Geol.Eng., Colorado School of Mines, 1930 — *Geology*

Master of Science in Forestry

William Stanley Hepher, B.S.(For.), University of Idaho, 1931 — *Wood Chemistry*
Frank Russell Makara, B.S., New York State College of Forestry, 1932 — *Wood Chemistry*
Douglas Reed Miller, B.S., Oregon State Agricultural College, 1928 — *Forestry*
David James Stouffer, B.S., Michigan State College, 1926 — *Forest Pathology*

Master of Science in Education

James Kenneth Allen, B.S.(Ed.), University of Idaho, 1928 — *Education*
Ruth Litton Bauer, B.S.(Ed.), University of Idaho, 1922 — *Education*
Bessie Amelia Bell, B.S.(Ed.), University of Idaho, 1929 — *Education*
Vinnie John Bell, B.S.(Ed.), University of Idaho, 1931 — *Education*
Margaret Knudson Bolin, B.S.(Ed.), University of Idaho, 1930 — *Education*
Leo Blakely Calland, B.A., University of Southern California, 1923 — *Education*
Lenus LeRoy Carlson, B.S.(Ed.), University of Idaho, 1924 — *Education*
Luna Athen Deane, B.A., University of Washington, 1912 — *Education*
Gertrude Margeurite DeWinter, B.S.(Ed.), University of Idaho, 1932 — *Education*
Harold Finley Downey, B.S.(Ed.), University of Idaho, 1928 — *Education*
Gordon Lester Flack, B.S.(Ed.), University of Idaho, 1929 — *Education*
Leonard Frazier, B.S.(Ed.), University of Idaho, 1929 — *Education*
Fulton Gilberth Gale, B.S., Whitman College, 1915 — *Education*
Leonard Martenis Gardner, B.S.(Ed.), University of Idaho, 1928 — *Education*
Alta Howe Garrison, B.S.(Ed.), University of Idaho, 1931 — *Education*
Ruth Francess Garver, B.S.(Ed.), University of Idaho, 1931 — *Education*
Gerald Gilbert Grimm, B.S.(Ed.), University of Idaho, 1931 — *Education*
Bertha Louise Hauck, B.A., University of Idaho, 1931 — *Education*
Carl Wallace Hoisington, B.S.(Ed.), University of Idaho, 1929 — *Education*
Lulu Grace Houtchens, B.S.(Ed.), University of Idaho, 1929 — *Education*
Dorothy Howerton, B.S.(H.Ec.), University of Idaho, 1928 — *Education*
Glenn James Jacoby, B.A., University of Idaho, 1928 — *Education*
Lloyd Gilmore Johnson, B.S.(Ed.), University of Idaho, 1931 — *Education*
Kenneth Paul Jones, B.S.(Ed.), University of Idaho, 1930 — *Education*
Charles Calvin Lame, B.S.(Ed.), University of Idaho, 1927 — *Education*
Ruth Victoria Mortenson, B.A., University of Idaho, 1931 — *Education*
Virginia Forest Nolan, B.S., Fremont Normal College, 1904 — *Education*
Herman Robert Otness, B.S., University of Idaho, 1931 — *Education*
Walter Earle Pratt, B.E., Milwaukee State Teachers College, 1930 — *Education*
Melcher Walter Priebe, B.S.(Ed.), University of Idaho, 1929 — *Education*
Cyrus Elmer Roberts, B.S.(Agr.), University of Idaho, 1921 — *Education*
Eldon Donald Schock, A.B., Nebraska Wesleyan University, 1915 — *Education*
Carroll Grant Shawen, B.S.(Ed.), University of Idaho, 1930 — *Education*
Gordon Loren Speck, B.S.(Ed.), University of Idaho, 1927 — *Education*
Jessie Beatrice Thornber, B.S., South Dakota State College, 1906 — *Education*
William Michael Tierney, A.B., Washington State College, 1931 — *Education*
Silas Arthur Waters, B.S.(Ed.), University of Idaho, 1929 — *Education*
Martha Graveley Williams, A.B., Stanford University, 1920 — *Education*

COMMISSIONS AND CERTIFICATES

COMMISSIONED AS SECOND LIEUTENANTS OFFICERS' RESERVE CORPS, UNITED STATES ARMY

Charles Ambrose Adams
Paul William Aust
Robert Homer Bell
Ernest Frederick Brasch
Wesley Emil Calkins
Nathaniel Ward Congdon
Kenneth Roy Dyer (Certificate of Eligibility)
Charles Lillard Graybill
William Jarvis Hall
Charles Worth Heath
Ted Vincent Helmer
Kenneth Robert Hensley
George Call Hoggan
Henry Charles Hohnhorst
Winfred Stewart Janssen (Certificate of Eligibility)
S. Lee Johnson
Thomas Johnathan Kurdy
Robert Earl McCluskey
Alfred Henry Mattheaus
Lewis Drexel Morgan
Thomas Fenton Neilson
Ralph Webb Olmstead
Glen T. Smith
Harold Bowman Stowell
Virgil Nelson Thompson (Certificate of Eligibility)
Harry Lloyd Young

TO BE COMMISSIONED AS SECOND LIEUTENANTS IN THE OFFICERS' RESERVE CORPS, UNITED STATES ARMY, UPON COMPLETION OF CAMP TRAINING

Lionel Thaddeus Campbell
John Worth Daugherty
William Stanley Dolan
Marius Parmelee Hanford
Stanton Gudman Hale
James Alexander Laidlaw
James Alden Norell
Edwin John Parker
Ernest Dean Peterson
Clyde Allen Ross
Parker Everington Wickwire

THE FOLLOWING (additional) MEMBERS OF THE GRADUATING CLASS HAVE PREVIOUSLY RECEIVED COMMISSIONS IN THE OFFICERS' RESERVE CORPS, UNITED STATES ARMY

Stanley Dean Arnold
Vinnie John Bell
Walter Alexander Crawford
Jack Bruce Dodd
Paul Gerald Dolan
Kenneth Paul Jones
Ray Hansen Kelley
Stuart Fairchild Kimball
Jack Francis McQuade
Edward Eli Poulton
Martin Bernard Rosell
Frank Delmore Smuin
George Robert Swindaman
John Jay Taggart
Ervin LaVerne Werner
Lyman Gustin Youngs

Final Honor List, Class of 1932

(For the conditions upon which honors are awarded, see page 15. In the following list names are arranged in alphabetical order in each group.)

HIGHEST HONORS

Velma Andrasen
Venna Andrasen
David Harry Angney
Sue Compton Armour
Mary Helen Brosnan
Katheryn Hart Conger
George Donald Emigh
Joseph Albert Filseth
Katherine C. Mikkelson
Cecilia Rose Nacke
Stanley Sheldon Spaid
Pearl Hazel Walters
Edwin John Wellhousen

HIGH HONORS

Leona Nessly Ball
Howard Maurice Ballif
Georgia Mae Bell
Thomas Donald Bell
Harold Forbes Brown
Lionel Thaddeus Campbell
Katherine Louise Cuddy
Edna Ladine Durbin
John Dumas Ewing
John Jefferson Hohnhorst
Roy Albert Johnson
Lewis Paul Jones
Roger Harmon McConnel
Edna Hedlund Miller
Clifford James Mullikin
Rex Burns Pontius
Roman Bolompo Ramos
Dorothy Miranda Richardson
Lura Lee Sharp
Glen T. Smith
Earl Raymon Stansell
LaVernon Grace Thomas
Lois Marian Thompson
Elizabeth S. Williams
Constance Helen Woods

PART VIII

List of Students
Enrollment Summaries
Index

List of Students

SYMBOLS in the following list are to be interpreted thus:

S Summer School
Freshman 36-37
Sophomore (or 1st yr. Law) 35
Junior (or 2nd-yr. Law) 34
Senior (or 3rd-yr. Law) 33
G Graduate
P Partial Enrollment
A In Absentia (Graduate students)
a. Bachelor of Arts
ag. Agriculture
ae. Agricultural Engineering
b. Business
ce. Civil Engineering
ch. Chemical Engineering
ed. Education
ee. Electrical Engineering
f. Forestry
g. Geology
h. Home Economics
jc. Junior College
law Law
me. Mechanical Engineering
med. Pre-Medical
met. Metallurgy
min. Mining Engineering
m. Music
mus.ed. Music Education
n. Pre-Nursing
s. Bachelor of Science
sp. Special

A

Aas, Alma, 33 h.....Moscow
Aas, Martha, 35 jc.....Moscow
Abitz, Albert Herman, 35 med.....Bovill
Abrahamson, Gust Emil, G S.....Eden
Adams, Molly Anne, S.....Nampa
Adams, Virginia Marian, 35 jc Twin Falls
Adamson, Isa Mary, 34 b.....Carey
Adriansen, Alice, 35 jc.....Moscow
Adriansen, Esther, 35 jc.....Moscow
Afshar, Haji Azadi, S 36 min Rizaich, Persia
Ahlskog, Ralph Hugh, 33 f, Coeur d'Alene
Albee, Leslie Raymond, 35 f.....Council
Albert, Wadsworth Wilbur, 36 f Olean, New York
Albohn, William Phillip, 36 ce...Moscow
Aldecoa, Maurina Juanita, 35 ed...Boise
Alden, Andrew Earl, 34 ed.....Bovill
Aldridge, Hollice M., 35 ed Bonners Ferry
Alftine, David Carl, 35 ag Harcourt, Iowa
Allen, Cyril Stanford, G S....Idaho Falls
Allen, Edna Vircha, 37 jc.....Moscow
Allen, Ida Doris, S 36 ed.....Moscow
Allen, Vera Irene, S 35 jc.....Moscow
Allison, Samuel Dudleston, G S Ontario, Ore.
Almquist, Alma Sophia, 36 jc.....Mullan
Altnow, Howard Curtis, 33 a Spokane, Wn.
Alworth, Robert Earl, 33 ee.....Filer
Aman, Leslie Ellsworth, S Bonners Ferry
Ames, James William, 34 ed.....Boise
Ames, Robert Edgar, 35 ag.....Emmett
Amos, Melton Henry, 34 law.....Preston
Amstutz, Helen Coaina, 35 ed Glenns Ferry
Amundson, Harold Edward, 36 f Frederic, Wis.
Anderson, Albert Maynard, 36 ee Moscow
Anderson, Clifford Gladstone, 35 ed Moscow
Anderson, Edna Mae, 36 ed Coeur d'Alene
Anderson, Edward Pei, 36 ag Coeur d'Alene
Anderson, Elva Louise, 36 jc Coeur d'Alene
Anderson, Ethel Mae, 33 h Jackson, Mont.
Anderson, Georgia May, 34 ed Aberdeen
Anderson, Geraldine Henrietta, 35 ed Spokane, Wn.
Anderson, Gus Carr, 34 law....Pocatello
Anderson, Harold Talbott, S 35 ee Moscow
Anderson, James Gordon, 35 ee Craigmont
Anderson, Mildred Mae, S 36 ed Moscow
Anderson, Paul Albert, 36 ed.....Kellogg
Anderson, Paul Luther, 35 f Spokane, Wn.
Anderson, Pearle, S.....Moscow
Anderson, Raymond Albert, A ed Glenns Ferry
Anderson, Roy Albert, 36 jc Oakesdale, Wn.
Anderson, Vaughn Franklin, 36 ch Moscow
Anell, Arthur Bernard, 35 f.....Moscow
Aram, John Lorenzo, 35 jc.....Joseph
Aram, Rosamond Frances, S 34 b Joseph
Archbold, Jane Frances, 35 jc Portland, Ore.
Archer, Frank, S 33 ed.....Moscow
Armour, James Van, 36 jc.....Moscow
Armour, Scott James, S.....Sandpoint
Armour, Tom William, 35 ed.....Moscow
Arms, Henry Shull, 36 me.....Wallace
Arms, Mabel Hanna, G s.....Aberdeen
Arms, Vivian Grace, 34 h.....Aberdeen
Armstrong, Keith Hirlinger, 34 a....Troy
Armstrong, Williamina Elizabeth, S 33 h P Moscow
Arnett, Howard, 35 me.....Wallace
Arnold, Charles Richard, 34 s.....Boise
Arnold, Donald Cutler, 36 jc.....Boise
Arnold, Willena Bernice, 36 jc Prescott, Wn.
Arthurs, Aubrey James, 34 f....Sandpoint
Aschenbrenner, Carl Edward, S Bonners Ferry
Ash, Irene Mae, 33 a.....Rupert
Ashcraft, Jacob Osborn Jr., 34 ch St. Anthony
Ashlee, Thomas Reginald, 34 ed..Moscow
Asire, William John, 34 ed.....Blackfoot
Atwood, Edwin Milo, 35 ee.....Moscow
August, Louis Vitus, 36 jc..Spokane, Wn.
Aukett, Daniel Burke, 33 ed Spokane, Wn.
Austin, Robert Barnes, 34 min Medimont
Axelsen, Milo Clifton, 34 law Clear Lake, Iowa
Axtell, Gertrude Mary, 34 a.....Moscow
Axtell, Mildred Marion, G ed....Moscow
Axtell, Richard William, 36 jc...Moscow
Azcuenaga, Ethylrae, 37 ed.....Boise

B

Babcock, Miriam Dorothy 35 jc Twin Falls
Bacheller, Allen Walker, 34 me....Boise
Bagley, Edward Leroy, 36 ee.....Caldwell
Bailey, Ethel Alta, 35 ed.....Potlatch
Baken, Frances Leora, 34 ed.....Moscow

Baken, Harriet Inegene, 34 mus ed
Moscow
Baker, Ancil David, 36 f Los Angeles, Cal.
Baker, Andrew Francis, 33 ed Spirit Lake
Baker, Charles Ross, 36 jc.....Boise
Baker, Donald John, 36 jc.....Moscow
Baker, Dorotha May, G S.....Caldwell
Baker, Marvin Rader, G S.....Caldwell
Baker, Wallace Edgar, S 35 jc.....Boise
Baldridge, Horace Frederick, 34 ed
Payette
Ball, Chester Curtis, 36 f. Chedron, Nebr.
Ball, Leona Nessly, G S.....Moscow
Bandelin, Betty, 35 mus ed.....Sandpoint
Bandelin, Glenn Edmund, sp law Sandpoint
Banks, Chester Louis, 36 ed.....Moscow
Banks, George Walter, 36 ed.....Moscow
Barclay, George Edward, 33 ce....Burley
Barclay, LeRoi Gardner, 35 ag Blackfoot
Barker, Beulah Elizabeth, 3 a.....Buhl
Barker, Edwin Roy, S 34 ed.....Kellogg
Barnard, Berenice Nellie, G S
Superior, Nebr.
Barnard, Thomas Albert, S 34 met
Anaconda, Mont.
Barnes, Evelyn Marie, 33 h.....Pocatello
Barrett, Afton, 33 ed.....Pocatello
Barrett, Alice Allegra, G S.....Lewiston
Barrus, Benjamin Harrison, G S Mackay
Barrus, Emery T., S.....Burley
Barton, Sherwin Montieth, 36 ce..Weiser
Bateman, Leona Marjorie, S.....Moscow
Bateman, Winifred, 35 jc.....Moscow
Bates, Adena Dorothea, G S....Cocolalla
Bauman, Clayton Mills, 36 g.....Kingston
Bauman, James Henry, 35 jc....Lewiston
Baumgartner, Victor John, 34 s...Nampa
Baumgartner, Walter, 36 ag....Thornton
Beamer, Mary David, 35 ed.....Filer
Bean, Roberta Mabel, 34 ed.....Wallace
Beardmore, George Wolcott, 33 law
Priest River
Beasley, Robert Gray, 33 ag...Idaho Falls
Beatty, Thad, 36 jc.....Boise
Beck, Charles Leland, 36 jc.....Blackfoot
Beck, Glenn Hanse, S.....Aberdeen
Beck, John Melvin, 36 ag.....Burley
Beck, Seymour Morgan, 36 ag.....Rupert
Becker, Elfriede Giesbrecht, S..Aberdeen
Becker, Ella, S.....Aberden
Beckstead, Myrthan Kenneth, 33 ag
Whitney
Bedford, Mary Dresser, G S A Lewiston
Beers, Francis Davison, 33 ed.....Kamiah
Beimfohr, Casper Van Dyke, 35 jc
Evanston, Ill.
Bell, Alice Miriam, 35 mus ed....Moscow
Bell, Bessie Amelia, G ed.....Boise
Bell, Georgia Mae, G S.....Moscow
Bell, Helen Margaret, G S.....Boise
Bell, Margaret Joy, G S.....Moscow
Bell, Marion Louise, 34 h.....Blackfoot
Bell, Roberta, 33 h.....Spokane, Wn.
Bell, Roscoe Ernest, G.....Moscow
Belnap, Elmer Durlin, 35 ag....Rexburg
Benfer, Hugh William, 33 ed.....Weiser
Bening, James Bruce, 36 ed.....Kellogg
Benjamin, Lester Vance, G A.....Boise
Bennett, Evelyn Mae, 35 jc.....Moscow
Bennett, Martha Elizabeth, 36 jc..Moscow
Bennett, Robert Winston, 35 jc.Mt. Home
Bennetts, Willene Eleanore, 36 jc
Butte, Mont.
Benson, Benny Bernard, 35 me St. Maries
Benson, Fredolph Swen, 36 me St. Maries
Benson, Rudolph John, 34 f..St. Maries
Bentley, Fred Wilson, 36 f.....Post Falls
Berg, Alfred William, 35 ed...Idaho Falls
Berg, Lloyd Wesley, 33 a.....Pocatello
Berg, Paul Henry, 35 ce.....Idaho Falls
Bergen, Harold George, 35 ag Twin Falls
Bergh, Alberta, S 35 ed.....Moscow
Berglund, Eleanor Ruth, S.Coeur d'Alene
Berreman, Beulah, S 34 h
Walla Walla, Wn.
Berryman, Walter Raymond, 35 jc
Blackfoot
Bertram, Marie Louise, 33 ed.....Payette
Best, Gladys Irene, S.....Moscow
Beth, Elmer Frederick, G.....Moscow
Bever, Wayne Melville, G.....Moscow
Bevington, Frank Clark, 36 jc.....Nampa
Bevis, Vincent Poole, 34 ed Portland, Ore.
Bezold, Arthur Wayne, 36 ag Yakima, Wn.
Bickford, Richard Folsom, 36 f
East Braintree, Mass.
Biegert, Mary Ann, S.....Orofino
Bigornia, Andres Bandayrel, S 33 a
Naguilian, P. I.
Biladeau, Archie Loyd, 33 met.....Boise
Bithell, Mabel Julia, G S.....Blackfoot
Bjorkman, Swen Robert, G S A ed
Sugar City
Blackaby, Helen Patricia, 36 jc Homedale
Blair, Albert Garrison, 36 me Priest River
Blair, John Ellwood Jr., 33 med
Spokane, Wn.
Blanchard, Asa Loran, 35 g.....Lewiston
Blanchard, Dagny Hanson, G a...Moscow
Blanchard, Fred Clayson ,G S G ed
Moscow
Blattner, Orrin Frederic, 36 ag...Weiser
Blume, Edwin Frederick, S.....Genesee
Bodily, Elden, 35 ag.....Preston
Bodily, Howard Lynn, 35 ag.....Whitney
Bohman, Alice Viola, 36 jc.....Troy
Bohrer, Grace LaVerne, S.....Weiser
Bolin, Donald William, G.....Moscow
Bolin, Margaret Knudson, G.....Moscow
Bolingbroke, Dave Henry, S 33 ag.Malad
Bolton, Arthur Delbert, 34 ag...Gooding
Bolton, John Oscar, 36 ee.....Gooding
Booker, Frederick John S.....Potlatch
Boomer, Evelyn Jean, 35 jc.....Payette
Boomer, Lois Margaret, 37 ed.....Payette
Booth, Betty Ann, 36 ed.....Kellogg
Booth, Ida Mae, S.....Kellogg
Boothe, John Neff, G S A ed
Lava Hot Springs
Bopp, Earl Anthony, 35 jc.....Sandpoint
Borson, Bernard, 36 mus. ed.....Moscow
Bottinelli, Milam Francis, 36 ee...Kellogg
Bovey, Franklyn Wesley, 33 ed Craigmont
Bow, Wilson Francis, 35 ce.....Bowmont
Bower, Gertrude Crowell, S...Sandpoint
Bowers, Floyd Edward, G S A a
Spokane, Wn.
Bowler, Holden, 34 a.....Gooding
Boyatt, Clyde Vernon, sp law...Pocatello
Boyce, Richard Ellis, 35 ee.....St. Maries
Boyd, Clayton William, 33 ed Idaho Falls
Boyd, Harold Robert, 34 a.....Moscow
Bozart, Hannah Margaret, 34 h..Culdesac
Braham, Wilbur George, 36 jc....Kellogg
Brailsford, William Spencer, 35 jc
Twin Falls
Brandt, Catherine Margarrette, 33 ed
Nampa
Brass, Herman Ulysess, 36 min...Wallace
Braun, Al Edward, 33 s.....Moscow
Braun, Alphonsie Della, G a.....Moscow
Breckenridge, Josephine Anna, 35 ed
Boise
Breen, James Joseph, 34 b.....Moscow

Breneman, Mayme Christenson, S Moscow
Brett, Thomas Hugh, 36 jc.....Boise
Brians, Rayburn Leslie, 33 ed.....Nampa
Brigham, Burnis Burton, G S A ed
Kendrick
Brigham, Forest Lewis, G S.....Moscow
Brigham, Laura Nellie, S 34 ed...Moscow
Brodhead, Harold John, G S...Blackfoot
Brodrecht, Margaret May 36 jc
Spokane, Wn.
Brosnan, Mary Helen, G S G ed..Moscow
Brown, Charles Edward, 35 ag...Belmont
Brown, Charles Gilbert, 36 f.....Lapwai
Brown, Donald Olvir, 35 ed.....Moscow
Brown, Edith Marie, 36 jc.....Homedale
Brown, Eva Jane, 34 h.....Rathdrum
Brown, Harold Forbes, G ag.....Belmont
Brown, Harold Gilson, 33 f
Port Townsend, Wn.
Brown, Helen Dorothy, 36 jc.....Boise
Brown, James Pleas, 33 f Hot Springs,
Ark.
Brown, Lester Raymond, 35 jc.Sandpoint
Brown, McDonald Ross, G S.....Moscow
Brown, Mary Ellen, 36 jc.....Twin Falls
Brown, Wallace Morell, 34 me
Port Townsend, Wn.
Brown, Warren Harrington, 35 jc McCall
Brubaker, Jerome Scott, 36 jc....Payette
Bruning, Roland John, 35 jc.....Burke
Brunzell, George M., 36 ee....Silver City
Brusen, Bernice, S.....Boise
Brutzman, Blanche Eleanor, 34 ed
Lewiston
Buchanan, Owen Jr., 33 b....Twin Falls
Buchanan, Thomas Stewart, 34 f
Morton, Wn.
Buchholz, John Jacob, G. S. A. ed
Glenns Ferry
Buckingham, Flora Noyes, S.....Orofino
Budrow, Mildred Louise, 34 h..Bancroft
Buell, Carl Monroe, 35 jc.....Calder
Bumgarner, Ruth Ellen, S 36 jc...Moscow
Bundy, Marcia Helen, G S.....Bliss
Bundy, Wilson Woodrow, 36 ae Culdesac
Burch, Delbert, 36 jc.....Newport, Wn.
Burdick, Frances Marion, 36 jc...Wilder
Burdick, Robert, 34 b.....Wilder
Burke, Arthur Wayne, S 33 ed Montpelier
Burke, Frederick Richard, 36 jc
New Haven, Conn.
Burke, Joseph William, G ed.....Moscow
Burkhalter, Iris Elaine, 36 ed Twin Falls
Burkhalter, Martha Eva, S.....Boise
Burnam, Thomas Bond, 34 a....Lewiston
Burnett, Hugh Benedict, 34 s
Newport, Wn.
Burnett, Lois Lenore, 34 ed.....Moscow
Burnett, Loyd Alvie, 34 f.....Moscow
Burns, Marian Grace, 34 ed.....Caldwell
Burton, Miriam, G S.....Moscow
Bury, Hedwig Katheryn, S.....Hammett
Bush, Mary Louise, 34 a.....Moscow
Byrne, Maurice Edward, 36 ee..Lewiston

C

Cady, Ruby Ellen, G.....Moscow
Cagle, Howard Hughling 34 ag....Nampa
Cairns, Charles Nelton, 34 ce...Meridian
Callahan, Francis Burtram, 36 jc Moscow
Callahan, Michael Byron, 35 ed...Moscow
Callahan, Patrick Shannon, 33 ed Moscow
Calland, Leo Blakely, G S.....Moscow
Callender, Robert Whitney, 36 jc Cascade
Campbell, Adam Joseph, 36 ee...Hammett
Campbell, Carol Joy, 35 jc...Rosalia, Wn.
Campbell, Cora B., S.....Pullman, Wn.
Campbell, Duard Fred, 34 ag...Hammett
Campbell, Harlow Henry, G S A ed
Lind, Wn.
Campbell, Robert Lowell, 36 ed
Priest River
Cannon, Leland Reed, 34 a.....Mt. Home
Carlson, Carl Gunnard, S...Coeur d'Alene
Carlson, Carl Robert, G S
Ketchikan, Alaska
Carlson, Charles Edward M., S 35 f
Jamestown, N. Y.
Carlson, John Ruben, 36 jc.....Kellogg
Carnes, Donald Pemble, 34 met...Salmon
Carnes, Robert William, 35 jc.....Salmon
Carothers, Frank, 35 jc.....Rosalia, Wn.
Carpenter, John Bartley, 36 ag.....Boise
Carpenter, Owen Oakley, 33 ee...Moscow
Carson, Mildred Madeline, 36 jc Moscow
Cash, Elaine Ellen, 33 a....Spokane, Wn.
Cavanah, Ruth Mildred, 35 jc.....Boise
Chaffins, Clyde Jean, 35 jc.Coeur d'Alene
Chamberlain, Dorothy Harriet, 34 h
White Bird
Chandler, Ellen Dorothy, S 33 s Emmett
Chapman, Artell George, 34 ch....Rigby
Chapman, Dorothy Priscilla Alden, S
Boise
Chapman, Howard Robert, 36 me...Rigby
Chariton, Clarence Walter, G s
Coeur d'Alene
Charrey, Thomas Howard, G S St. Anthony
Chatburn, Arthur Richard, S.....Albion
Chatfield, Edna Arlie, S.....Richfield
Chedzoy, David Charles, G S A ed
Wallace
Cheney, Thomas E., G S.....Victor
Chenoweth, Edith, G.....Moscow
Chenoweth, Mary Elizabeth Anne,
S 33 a Moscow
Cherrington, Virgil Arthur, G....Moscow
Cherrington, William Charles, 36 jc
Leon, Iowa
Cherutti, Angelin, 35 jc.....Moscow
Chestnut, Thomas William, 34 ed.Moscow
Cheuvront, Edwin Cecil, G S A ed
Summit
Christensen, Bernice Taylor, S 36 jc
Idaho Falls
Christensen, Chester Wayne, G S G s
Idaho Falls
Christenson, Esther Jeanette, G S Moscow
Christian, Harvey Samuel, 35 ce
Port Townsend, Wn.
Christians, Jerome James, 33 b...Kellogg
Christopher, Musetta Mary, 33 b
Palouse, Wn.
Chrystal, Francis Homer, 36 ce....Bovill
Clagett, William Horace, 33 ee...Kellogg
Clare, Bessie Lois, 33 h.....Cambridge
Clare, Mildred Colen, 33 ed....Cambridge
Clark, Edmund Thomas, 34 s.....Mackay
Clark, Theron Elijah, S.....Blackfoot
Clarke, C. Worth, 35 jc.....Rigby
Clarke, Stanley Caiphus, G s.....Moscow
Clausen, John Kenneth, 36 ed
Snoqualmie, Wn.
Claypool, James Floyd, 36 ag.....Jerome
Clayton, Austin Bond, 34 g.....Cabinet
Clemens, Dale Darrel, 34 ed.....Gooding
Clemons, Emmett Clair, G S...Wesleyan
Click, Leo Ennes ,S.....Lewiston
Cline, Harry Franklin, 33 ag.....Emmett
Cline, William Henry, 34 ag.....Hansen
Clough, Jean Emily, 35 jc.....Weiser
Cobb, Edward Bert, 34 ag.....Boise
Coffin, Harold Walter, 33 law Spokane, Wn.
Coffin, Willis Harry, G S A ed.....Star
Cole, June Etta, S.....Moscow

Coleman, Edith Abbott, G ed.....Moscow
Collins, Erma Beatrice, S 33 ed..Moscow
Collins, Kathryn Janet, 33 ed....Moscow
Combs, Clifton Breckenridge, 36 jc
Kellogg
Combs, Kenneth Tilden, 35 jc....Kellogg
Compton, Ida Maude, 34 ed.....Kendrick
Condie, John William, G S A ed Preston
Cone, William Homer, G.....Moscow
Congdon, Nathaniel Ward, 34 b....Boise
Congleton, Eunice Haskell, G S A ed
Burley
Connaughton, Teresa Elizabeth, 33 a Boise
Conrad, Wilhelmina, G S.....Nampa
Conway, Julia, 34 a.....Boise
Conwell, Willard Irven, 35 f
Costa Mesa, Cal.
Cooil, Clarence James, G S...Cheney, Wn.
Cook, Ben Potter, S.....Southwick
Cook, Carolyn Ruth, 34 a.....McCall
Cook, Howard Loren, 36 jc.Coeur d'Alene
Cook, John Bannister, 34 f.....McCall
Coon, Clifton James, 36 ed.. Glenns Ferry
Coon, Edris M., 35 ed.....Emmett
Cope, Robert William, 34 b.Coeur d'Alene
Coppedge, William Harold, S 35 jc Boise
Cordes, Anna Caroline, 34 a..Twin Falls
Cordon, Ralph Douglas, 33 med...Ashton
Corless, Donald Edward, S.....Paul
Corless, Robert Stewart, G S...Culdesac
Cornelison, Alton Beddall, 35 law Moscow
Correll, Theodore Harrison, G S..Moscow
Coughlin, Glenn A., 36 jc.....Montpelier
Courtney, Arthur Baxter, 36 jc...Kellogg
Courtney, Richard Guernsey, 36 min
Kellogg
Cowden, Ralph William, G ed
Beardsley, Minn.
Cowin, Cleon Clement, G S A ed Nampa
Cox, Evelyn Irene, S.....Kooskia
Craig, Anita Cecelia, G.....Moscow
Craig, Earl Joseph, 37 jc.....Moscow
Craig, Glenn Elmer, 35 ch.....Moscow
Crandall, John Sheridan, 33 met
Huntington Park, Cal.
Crane, Marjorie Jo-Ann, 34 h.....Boise
Cranston, Donald Jack, 35 g....Sandpoint
Cranston, William Vincent, 33 f
Mt. Vernon, Wn.
Craven, Francis John, G S G ed..Heyburn
Craven, Leavitt Homer, 34 b...Twin Falls
Crawford, Charles Robert, 34 f Darlington
Crawford, Doris Maybelle, S....Lewiston
Crawford, Erma, 35 ed.....Moscow
Crawford, James William, 36 jc.....Boise
Crawford, Kenneth James, 35 f Darlington
Creaser, Helen Dorothy, 35 jc...Roberts
Creegan, John Joseph, G S.....Boise
Critchell, Ray Edwin, 35 ce.....Boise
Crites, Judith, 35 jc.....Moscow
Crombie, Richard Joseph, S 34 b
Spokane, Wn.
Cromwell, John Frederic, 35 law Gooding
Cross, Evelyn Mae, 34 a.....Gooding
Crowe, Gerald Martin, 36 ee.....Moscow
Crowe, John Hinkley, 36 ce.....Boise
Crowley, Charles Raymond, 34 ch
Idaho Falls
Croy, Wyman William, S 33 ed
Clarkston, Wn.
Cruikshank, Douglas Barton, 33 ee Moscow
Cruikshank, Helen DuBois, S 34 b Moscow
Cruikshank, Muriel Leyrer, S 33 a Moscow
Cuddy, Margaret Elizabeth, G S.....Boise
Culp, Perry Scott, Jr., 36 jc.....Moscow
Cummings, Theresa Hight, sp a...Moscow
Cummock, Jack Charles, 36 jc.....Boise
Cunningham, Florence Philomena,
G S A ed Coeur d'Alene
Cunningham, May Lattin, G S..Fairfield
Cusano, John Joseph, 34 a.....Pocatello
Czehatowski, Adam William, 36 ce
Gardner, Mass.

D

Dahl, Arthur Ingemor, 35 ee Coeur d'Alene
Dahl, Elizabeth Betty, 36 jc.....Plummer
Dahlke, Gustav Albert Jr., 35 min
Chicago, Ill.
Dahmen, Margaret Therese, 36 jc Moscow
Dalberg, Virgil Romaine, 34 b.....Troy
Daly, Duane Huber, G s...Armington, Ill.
Daly, John Haskell, 36 jc.....Buhl
Daniels, Delmar M., 35 law.....Pocatello
Daniels, Kenneth Miles, 33 f.....Moscow
Daniels, Lorin Bolingbroke, 33 b..Malad
Dannug, Regino Jose, 33 ce
Cauayan, Isabela, P. I.
Darrow, Robert Arthur, G s
Saratoga Springs, N. Y.
Dartt, L. Genevieve, A ed.. Palouse, Wn.
Daugherty, John Worth, G ce
Endicott, Wn.
Daugherty, Tom Russell, 36 min Reubens
Daughs, Herman Cunningham, 36 f
Princeton
David, Franklin Connaughton, 36 jc
Moscow
David, William Rufus Jr., 35 ag
Lascassas, Tenn.
Davidson, Arthur Jerome, 33 ce...Moscow
Davidson, Dorothy June, 34 a.....Stites
Davidson, John Raymond, 33 b...Emmett
Davidson, Tillmer Elmorise, 33 ed
Moscow
Davidson, William Dean, G S A ed
Meridian
Davies, Lois Elaine, 36 ed.....Wallace
Davis, Brennan Briggs, 35 f
Bismarck, N. D.
Davis, Charlotte Seton, 33 b.....Caldwell
Davis, Clare Ransom, 34 h.....Moscow
Davis, David James, 34 ed.....Kellogg
Davis, Edward Van, 35 law.....Aberdeen
Davis, Lawrence Randolph, S..... Pierce
Davis, Louis Dean, 36 ed...Coeur d'Alene
Davis, Mary Abigail, 34 h.....Blackfoot
Davis, Oliver Thomas, 34 ed.....Barber
Davis, Ray Lewis, 34 ee...Garland, Utah
Davison, Elmer Edgar, G.....Moscow
Davison, Gifford, G S.....Nampa
Davison, Nina Walker, G ed.....Moscow
Day, Alfred Bertram, 35 ee...Idaho City
Day, Carey Lenard, 33 ag.....Eden
Dayton, Wendell Leo, 36 jc.....Arco
Deal, Wilder Angus, S 34 med...Emmett
Dean, Kenneth Franklyn, G S A ed Weippe
Dean, Mary Alice Shearman, S...Moscow
DeAtley, Albert Delvin, 36 ce...Lewiston
Deaton, Albert Byron Jr., 33 ee
Soda Springs
deGero, Louella Rosalind, 33 a
Spokane, Wn.
DeHart, George Donald, 37 f
Spokane, Wn.
DeLane, Clarence Delroy, 37 jc..Wardner
Denman, George Ernest, G S.....Burley
Denton, Louis Martindale, 36 jc Kimberly
Denton, Robert Werner, 36 jc..Kimberly
DeShaw, Eleanor Mae, 35 jc.....Buhl
Devereaux, Ione Mary, S 35 jc...Mullan
Dewey, Donald G., 36 ee.....Moscow
Dewey, Dorothy Irene, G S.....Moscow

Dewey, Harry Maxwell, 33 ch
Coeur d'Alene
DeWinter, Lillian Eberdene, S 33 h
Moscow
DeWinter, Marie Jane, S 34 ed..Moscow
Dick, Elizabeth Taylor, G ed.....Moscow
Diethelm, Florence Nellie, S.....Moscow
Diethlem, Walter Esthel, 36 jc...Moscow
di Miceli, Leonard, 34 law
Los Angeles, Cal
Doak, James DeLoren, 33 ed
Coeur d'Alene
Doane, Emery David, G S A ed
Grangeville
Doane, Emma Minton, G S A ed
Grangeville
Dolan, Beatrice Dayton, G S.....Moscow
Dole, Dorothy Perkins, 36 jc....Lewiston
Donaldson, Jean Chalmers, S.....Moscow
Donaldson, Mae Belle, 34 mus. ed.
Kalispell, Mont.
Donnelly, Bill Edward, 34 a.....Moscow
Dotson, Charles Crawford, 35 me
New Plymouth
Doucette, Charles Robert, 35 ee...Kellogg
Doud, Helen Irene, S..... Filer
Douglas, Charles Alexander, 33 s
Stanwood, Wn.
Dowdy, Francis Thomas, 35 jc...Moscow
Downey, Margaret Helen, 33 ed
Cottonwood
Doyle, James, 35 jc.....Wallace
Drager, Frederick Eugene, 33 ce Bellevue
Dresser, Ena Lois, S.....Emmett
Dresser, Marion Cross, 35 jc
Spokane, Wn.
Druding, Marjorie, 35 ed.....Wallace
Drury, Miriam Leyrer, S.....Moscow
DuBois, Carol Jean, G S.....Moscow
DuBois, Donald Lloyd, 33 me.....Moscow
Dunbar, Allen, 36 jc.....Portland
Dunkley, LeGrand Joseph, 35 ag Whitney
Dunkley, Willis Robert, 35 ag..Whitney
Dunlap, Robert Benjamin, 33 a Caldwell
Dunn, Henry, 34 ag.....Blackfoot
Dunn, Jane Elizabeth, 34 ed .....Wallace
Durall, Harry A., G S A ed.....Meridian
Durham, Ora Lucille, 35 jc.....Gooding
Durnil, Ivan Carl, G S.....Burley
Dursteler, Willard Heber, 34 ed Whitney
DuSault, Frances Louise, 34 h....Moscow
Duspiva, Victor Glenn, 34 ag.....Nampa
Dwight, Harriette, 34 ed.....Filer
Dyer, Rex Monteith, sp law..Grangeville

E

Easter, Bernice, 33 ed.....Cabinet
Ebel, Mary Angela, S.....Moscow
Ebrel, Mildred Florence, G ed
Pendleton, Ore.
Eddington, James Altos, 36 ag
Charlo, Mont.
Eddington, Laurel Anderson, 36 ag
Charlo, Mont.
Eddington, William Dale, 35 ee Sugar City
Eddy, John Courtney, S.....Rupert
Edelblute, Walter Glenn, 36 ee Rathdrum
Edmiston, Vivian Virginia, G S
Spokane, Wn.
Edwards, David Richard, 36 mus. ed.
Kellogg
Edwards, Harold Oliver, 34 ed
Watson, Mont.
Egbers, Frank Bordwell, S..Coeur d'Alene
Egbers, Martha Ellen, 36 jc Coeur d'Alene
Eggers, Earl Dean, 34 ed.....Post Falls
Ehler, Joe Good, 36 ed.....Filer
Ehlinger, Elaine Anne, 35 jc
Spokane, Wn.
Eichelberger, Dean Austin 34 s Idaho Falls
Eiden, Max Albert, 35 ed.....Boise
Eimers, Dorothy Wilson, S..... Moscow
Eimers, June Gareth, S 36 ed Grangeville
Eimers, Paul George, 34 law.....Moscow
Eisinger, Elsa Suzanne, S 33 a...Moscow
Eldridge Grace Elizabeth, 33 a...Moscow
Eldridge, Hugh Wallace, 35 jc....Moscow
Elledge, Ilene, S.....Cheney, Wn.
Ellerson, John Elsmer, 36 ag.....Boise
Elliott, Edward Gregory, 36 jc .. Boise
Elliott, Mildred Florine, 36 jc
Spokane, Wn.
Elliott, Ruth, 34 ed.....Lewiston
Ellis, Ralph Edgar, 33 ed ...Dayton, Wn.
Elmer, William Wells Jr., 33 min
Portland, Ore.
Elmore, Ernest Ferrell, 35 jc.....Rupert
Emahiser, Jack Walter, 36 jc...Lewiston
Emerson, James Calvin, G s.....Nampa
Emery, Doris Christine, S 34 b Kendrick
Emigh, George Donald, G met.....Burley
Emmett, Eloise, S 34 s.....Genesee
Engberg, David Emanuel, G ed.....Troy
Ennis, Lenore Gertrude, S.....Filer
Ennis, William Gordon, 33 law Pocatello
Ensign, Lewis Plank, 36 jc.....Boise
Ensign, William Warren, 33 f
Hawarden, Iowa
Equals, Dorothy Inez, 36 jc.....Payette
Erickson, Everett Russell, G S Idaho Falls
Erickson, Maurice Edwin, 33 ed
Spokane, Wn.
Ernsberger, Edward Lester, G S Rathdrum
Eskeldson, Ivan Christian, 34 ag...Boise
Estes, Murray, 33 law.....Moscow
Etzenhouser, Margaret Blanche, 36 ed
Independence, Mo.
Evans, Arthur, 35 ce.....Trail, B. C.
Evans, Carl Reese, S 33 ed.....Downey
Evans, David Lloyd, 35 jc.....Malad
Evans, Eugene Darhl, 35 jc.....Malad
Evans, Gertrude Anne, 34 a.....Moscow
Evans, Jessie Ruth, 36 ag.....Weiser
Evans, Keith Elden, S.....Twin Falls
Evans, Phyllis Estelle, S....Twin Falls
Evans, Rhoda Louise, G S.....Downey
Ewasen, Millicent, 36 jc.....Moscow
Ewasen, Olga, S 34 ed.....Moscow
Ewing, John Dumas, G law.....Caldwell
Exum, Glenn, 35 ed.....Pocatello

F

Faires, Frederick Fallon, 34 b
Coeur d'Alene
Fairley, Gordon Miles, 34 ed.....Peck
Fairweather, Irving McCulloch, 34 b
Wallace
Farber, Joseph Wilhelm, 35 f.....Moscow
Farley, Ruth Frances, 36 ed.....Boise
Farmer, May Parks, G.....Moscow
Farquhar, John Thomas, 35 law
Spokane, Wn.
Farris, James Patrick, 33 a.....Wallace
Fattu, John, 34 ed.....Kellogg
Faubert, Raymond Leo, 36 ed.....Burke
Featherstone, Marion, G....Pullman, Wn.
Featherstone, William Hall, 36 jc Wallace
Featherstone, William Sidney, 34 f Wallace
Featherstone, Wray Wolcott, 34 g Wallace
Fedder, Dorothy Margaret, S
Coeur d'Alene
Felt, William Mark, 35 jc.....Twin Falls
Felten, William Paul, 34 ed.....Moscow
Felton, Robert Theodore, 35 jc Lewiston

Fenton, Grace Ellen, 35 jc.....Boise
Ferguson, William Augustus, sp jc
Walla Walla, Wn.
Ferney, Ruth, 36 jc.....St. Anthony
Fick, Jack Howard, 34 b.....Harrison
Ficke, Arthur Benjamin, G S C ag.Moscow
Fifield, Charles Edward, G ed
Lumsden, Sask., Canada
Figley, Charles Currie, G S .....Hailey
Fike, Arthur Ray, S.....Moscow
Fikkan, Philip Clague, 34 b.....Emmett
Finch, Edward Henry, 33 ed Soda Springs
Finch, Ethel T., S.....Moscow
Finch, Nancy Allen, G S.....Moscow
Finlayson, Vern Arnold, 34 ee Twin Falls
Fischer, Carl Nicholas, 35 jc Coeur d'Alene
Fischer, Dorothy Olive, 34 ed...Lewiston
Fish, Earl Stanley, 35 ed Portland, Ore.
Fisher, Betty Jean, 35 mus. ed.
Coeur d'Alene
Fisher, Burton Lyle, 36 jc....Idaho Falls
Fisher, Fred Augustus, 34 ed Newport, Wn.
Fisher, George Morris, 33 f Perry, Iowa
Fisher, Jack Farrington, 36 jc
Coeur d'Alene
Fisher, Myron Thomas, 36 ag
Newport, Wn.
Fisher, Robert Alexander, 33 ag Post Falls
Fisher, Virginia Lee, 36 ed.....Bovill
Fisher, Wilma, 35 jc.....Weiser
Fisk, Bert, 33 ed.....Orofino
Fisk, Carl, 33 ed .....Orofino
Fitzgerald, Oren Aram, G a.....Moscow
Fitzpatrick, George Albert, 35 ag
Idaho Falls
Flack, Damon Milton, G S.....Merdian
Flack, Helen Rebecca, S..... Meridian
Flieger, Goldie Ione, S.....Moscow
Fleming, June Elizabeth, 36 jc.....Boise
Flint, Weldon Collins, 36 me..Cottonwood
Florell, Edna May, S 33 a.....Moscow
Floyd, Lloyd Ivan, 35 ch..Clarkston, Wn.
Flynn, Raymond James, 33 b.....Boise
Fogle, James Gerald, 35 ce.....Moscow
Forbis, Vera Ruth, G S...Lebanon, Ore.
Ford, Eleanor, S.....Weiser
Ford, Frank Robert, 35 jc Spokane, Wn.
Foskett, Andrew, 36 g.....White Bird
Foskett, Lawrence Wilson, G s White Bird
Foster, Eva Elizabeth, S.....Harrison
Foster, Mary Ruth, 36 ed.....Harrison
Fowler, Jim Vernon, G S A ed.....Eagle
Fowles, Nels Arave, 35 ed.....Burley
Fox, Jack, 36 jc.....Kellogg
Fox, Mary Elizabeth, G S.....Moscow
Fox, Richard Anthony, G S G ed Moscow
Fraley, Lyle Jack, 34 mus. ed.
Coeur d'Alene
Francis, Aileen Dorothy, 35 med Moscow
Franklin, Jack Walters, 36 jc
Santa Barbara, Cal.
Frayer, Hume Collar, 33 f.Jefferson, Ohio
Frazier, Conrad Orville, 34 a...Sandpoint
Frazier, Ellen Jeanette, 35 ed.....Moscow
Frederic, Helen Louise, 34 h
Coeur d'Alene
Frederic, Jack Lawrence, 33 f
Coeur d'Alene
Frederickson, Lucille May, G S Lewiston
Freece, Herbert John, 35 f Yakima, Wn.
Freis, John Vincent, 33 ag...Twin Falls
French, Walter Millikin, 34 f
Santa Barbara, Cal.
Friberg, Velora Helen, 36 jc
Coeur d'Alene
Friberg, Walter Raymond, 33 me
Coeur d'Alene
Fridley, Don Emerson, S 33 ed....Albion
Fridley, John Blaine, G S A ed ..Albion
Friedman, Beatrice Louise, 33 b..Moscow
Friend, Clyde Homer, sp ag.....Moscow
Frisch, Lawrence Vaughan, 35 me
Lewiston
Fritchman, Neil, 33 ed.....Naches, Wn.
Frizelle, Harriette Jane, G S
Coeur d'Alene
Froisness, Hilda Thelma, 36 ed..Moscow
Fry, Arthur Esher, 35 jc...Bonners Ferry
Fry, Marion Jean, 33 ed...Bonners Ferry
Fuller, Evelyn Wilberta, 36 jc
Grangeville
Fulton, Anna Thorne, 33 a.....Moscow
Fulton, Dorothy Florence, S.....Eden
Fulton, Marybelle, 36 jc.....Moscow
Funke, George Joseph, 33 ag Cottonwood
Furchner, Thomas Carl, 36 jc Blackfoot

G

Gabbey, Leila, 36 jc.....Boise
Gabby, Elizabeth Eleanor, 36 mus. ed.
Moscow
Gail, Harold Telford, S 35 ed...Moscow
Gailey, Helen Virginia, 35 jc.....Boise
Gale, Clair Edward, G S G ed
Spokane, Wn.
Gale, George Culton, 35 jc.....Moscow
Gallagher, Jack Edwin, 36 jc.....Boise
Galligan, William Bentley, 35 b Caldwell
Galloway, Mary Maude, 33 h.....Weiser
Galloway, Winifred, 34 ed.....Weiser
Gamble, Martha Elizabeth, S G ed Moscow
Gardner, VosBurgh Vince ,36 me Moscow
Garlinghouse, Marjorie Sally, S.Lewiston
Garrard, Hyrum Grady, G S A ed Burley
Garst, George Russell, 34 ee.....Pocatello
Gartner, Charles Henry, 33 g
Los Angeles, Cal.
Garton, Audrey Pearl, S...Palouse, Wn.
Gascoigne, Emily Ruith, 36 ed
Spokane, Wn.
Gascoigne, Virginia Ellias, 33 a
Spokane, Wn.
Gaskill, Richard Elton, 36 jc Winchester
Gass, Bernice Dean, S.....Colfax, Wn.
Gauss, William Henry, 36 jc.....Moscow
Geddes, Barbara, 36 jc.....Winchester
Gentry, Hazel Florence, 36 jc....Wallace
Gentry, Helen Frances, 34 b.....Wallace
Geraghty, Cyril Lawrence, 34 b Sandpoint
Geraghty, Wallace Norbert, 36 jc Belmont
Gerraughty, William Michael, 33 med
Spokane, Wn.
Gibb, John Mason, 35 jc.....Moscow
Gibbs, Ethelyn Cornelia, 33 h....Moscow
Gibbs, George Karrol, 34 ag.....Grace
Gibbs, Raphael Sanford, 34 a.....Moscow
Gibler, Berta Mae, 36 ed.....Kamiah
Gibson, Frank Chester, 36 jc.....Potlatch
Gibson, Isabel Victoria, 35 jc
Victoria, B. C.
Giese, Alfred E., 36 jc.....Twin Falls
Giffin, Leverett William, 35 me....Boise
Giffin, William Albert, 35 jc.....Boise
Gilbertson, Gudrun, S.....Moscow
Gilbertson, Mildred, G S.....Moscow
Giles, George Leroy 35 me Coeur d'Alene
Gillespie, Richard Conroy, 35 law Spencer
Gillespie, Ruth Jewell E., 36 jc
Anaconda, Mont.
Gillespie, Walter Edward, 34 ce.Spencer

Ginder, Marian Isabel, 35 jc
Coeur d'Alene
Gish, Alva Edwin, G S A ed.....Hansen
Gisler, Henry J., 34 min.....Rupert
Gladhart, Peter Russell, 34 ag....Payette
Gnaedinger, William Griffin, 34 ed Wallace
Goenne, Frederick William, 36 f
Davenport, Iowa
Goodsell, Wylie Daniel, 33 ag....Weston
Goodwin, Betty Lenore, 36 ed Harrison
Gordon, Felix Herman, 35 g Lindsay, Cal.
Gordon, Josephine, G S A ed
Clarkston, Wn.
Gosling, Kenneth Reginald, 36 f
Mineola, N. Y.
Grabner, Kenneth McCoy, G S
New Plymouth
Graf, Albert John, G S A ed.....Kellogg
Graham, Marion Eloise, 36 jc Twin Falls
Gray, Arthur Ember, 36 f.....Lewiston
Gray, Jack Burton, 35 jc.....Twin Falls
Graybill, Katherine Elizabeth, G S
Meridian
Greathouse, Cecil Roscoe, 36 jc.....Boise
Greco, Verneldo A., 35 f.....Burley
Green, Dorothy Naomi, 34 ed.....Troy
Green, Grace Muriel, 33 ed.....Troy
Green, Merrill, 35 jc.....Moscow
Green, Neva Cecelia, S 33 b.....Moscow
Greenlaw, Richard Knight, 35 jc
Los Angeles, Cal.
Greer, Ellen Elaine, 34 ed.....Potlatch
Greer, Joseph Hugh, 36 ee.....Potlatch
Greer, Morris Cameron, 34 a.....Potlatch
Greggerson, Virgil Kenneth, 33 b
Bonners Ferry
Greisser, John Robert, 34 ee Spokane, Wn.
Grenier, Howard Joseph, 34 ed...Hammett
Grieser, Edna Marie, 36 jc.....Moscow
Grieser, Edward William, 35 f....Moscow
Grieser, Emeline Rose, 35 ed....Moscow
Griffith, Donald Thomas, 34 b.....Burley
Grisham, Lawrence, 36 jc.....Boise
Groom, Jack 35 f.....Walla Walla, Wn.
Groseclose, Arta Lozalia, S 33 ed Juliaetta
Grover, Milton Call, 33 ag.....Rigby
Groves, Bruce Vernon, 35 jc.....Moscow
Guello, Samuel James, 33 ed
Hibbing, Minn.
Guernsey, Aleck Wilson, sp a.....Moscow
Gunnarson, Bertil John, 34 ag.....Firth

H

Haasch, Donald Ernest, 36 ee.Twin Falls
Hadley, Lita May, 34 ed.....Rupert
Haegele, Rowland Wells, A s.....Parma
Hafterson, Harold Donald, 35 ce...Lane
Hagen, Arthur Chris, 35 me
Valley Stream, N. Y.
Hagen, Cecil, G S G.....Moscow
Hager, Reuben W., 36 ed.....Moscow
Hale, Eileen Wilma, 33 a.....McCammon
Hall, Albert John, 36 me.....Moscow
Hall, Charles Leness, 34 ag.....Lewiston
Hall, Edward John, 35 f..... Nampa
Hall, Helen Meeks, 35 jc.....Moscow
Hall, Rose Gladys, 36 jc.....Moscow
Hall, Russell Charles, 34 ag.....Filer
Hall, Stanley Rowland, 35 me Winchester
Haller, Elizabeth Georgia, S....St. Maries
Haller, Helene Katharine, S...St. Maries
Ham, Jean Estelle, 36 jc.....Kellogg
Hamlet, Leota Victoria, S 34 h...Moscow
Hamm, Harley Herbert, 36 f
Lake View, Iowa
Hammerand, Veral Franklin, 35 g
Harlan, Iowa
Hampton, Elvon Wallace, 33 ag Genesee
Hampton, Madge Calkins, G S
Eugene, Ore.
Hampton, Wayne Wendell, 35 jc Genesee
Hanford, Marius Parmelee, 33 ed
Idaho Falls
Hanford, Roy Edwin, 36 jc.....Boise
Hankins, Lawrence Donald, 33 ce
Coeur d'Alene
Hanley, Frances Catherine, 34 a Wallace
Hannah, James John, 36 jc.....Orofino
Hansen, Bernadine, S.....Boise
Hansen, Hallie Maxine, 35 ed.....Boise
Hansen, Harald Lloyd, 36 jc
Grass Valley Cal.
Hansen, Henry Christian, G....Moscow
Hansen, Josie Bernice, G S.....Moscow
Hansen, May Florence, G S A ed Moscow
Hanson, Burton Morgan, 34 ee.....Malad
Hanson, John Hartley, 35 jc.....Boise
Hanson, Leora Marie, S.....Tetonia
Hanson, Ralph Conrad, G a Spokane, Wn.
Hardy, Thomas Nicholas, G S.....Ashton
Harlan, Thelma Hart, S..... Pierce
Harlan, William Lucas, G S A ed Pierce
Harland, Josephine, G mus. ed.....Troy
Harland, Raymond Virgil, 36 ee....Troy
Harmon, Byron Paul, 35 jc
Grants Pass, Ore.
Haroldsen, Earl Eugene, 34 ee Idaho Falls
Harper, James Arthur, 35 jc Othello, Wn.
Harper, Wayne Frederick, 35 ag Emmett
Harrington, Jeanne Merrill, 34 h
Andover, Mass.
Harris, Charles Raymond, 35 me Sandpoint
Harris, Don Corwin, 34 b...St. Anthony
Harris, Edward Franklin, 33 b....Moscow
Harris, Ilah Pearl, S..... Nezperce
Harris, Joan Marion, G S.....Payette
Harris, Lowell Bell, 34 me.....Sugar
Harris, Martell Bell, 35 ch.....Sugar
Harris, Maude, 34 ed.....Sugar
Harris, Raymond Kenoyer, G ed A ed
Genesee
Harris, Robert Howard, 33 ch Sandpoint
Harris, Robert Winston, 35 ed...Plummer
Harris, Ross Cole, 35 jc.....Rexburg
Harris, Sydney, 33 ce.....Payette
Harris, Virginia Graham, 35 jc St. Anthony
Harrison, Bert A., S.....Coeur d'Alene
Hartle, John Franklin, 35 ag Hayden Lake
Hartley, Mary Edna, 35 jc.....Payette
Hartman, Annette Louise, 36 jc.....Boise
Harvey, Donald Gordon, 35 jc
Spokane, Wn.
Hasfurther, Wilfred Martin, 33 ag P ag
Moscow
Hassler, Guy Warren, 36 min
Berkeley, Cal.
Hatfield, Betty, 36 jc.....Moscow
Hauck, Gordon Walter, G S.....Moscow
Haugse, Virgil Samuel 33 me.....Boise
Hawe, Floyd Francis, 33 a.....Boise
Hawk, Milan Elven, G S A ed ...Shelley
Hawk, William, S 35 ch....Spokane, Wn.
Hawkins, Henrietta Jane, S.....Lewiston
Hawkins, Mary Viley, S...Bonners Ferry
Hayden, John Francis, 34 b.....Genesee
Hayes, George Lloyd, 34 f.....Rigby
Haynes, Helen, S.....Lewiston
Hays, Frances Emma, 33 ed.....Nampa
Heater, Maxine Augusta, 36 ed
Grandview, Wn.
Heath, Flora Effie, 35 ed.....Juliaetta
Hedden, Juanita Ruth, S.....Boise
Heger, John William Herbert, 36 f
Moscow

Hegsted, David Mark, 36 ag.....Rexburg
Heinzerling, Jack Milton, 35 ed Culdesac
Hemmings, Frank Stafford Jr., 36 f
Winchendon, Mass.
Henderson, Anna Mary, 36 ed.....Boise
Hennen, Waldo Gerhart, 33 b....Moscow
Hennings, Carl Oscar, 33 ag
La Moure, N. D.
Hensley, Clyde Rolland, 35 jc....Orofino
Hensley, Helen Virginia, S 36 ed Moscow
Hensley, Kenneth Robert, G S G ed
Moscow
Hepworth, Merrylou, S 34 a
Kansas City, Mo.
Herbert, Frances Harriet, 36 jc Lewiston
Herbig, Clifford Orville, 35 jc
High River, Alberta, Canada
Hereth, Walter Frank, 33 ae.....Emmett
Herman, Edwin Horton, 34 b
Spokane, Wn.
Herman, Robert Alexander, 36 jc
Spokane, Wn.
Herrick, Mary Isabel, 35 ed.....Wallace
Herrick, Robert Condit, 34 b.....Wallace
Hersey, Elaine Constance, 35 ed Lenore
Hersey, Ronald Bruce, 37 jc.....Lenore
Hesby, Marie Theodora, 36 jc.....Deary
Heshmati, Ali Guli, 36 ag Tabriz, Persia
Hiaring, Philip Carleton, 36 ag....Nampa
Higginson, Elmo Cassim, 34 ce....Hatch
Hilding, Raymond Lorimer, 35 ed
Asotin, Wn.
Hilfiker, Herman George, 33 ag.....Filer
Hill, Charles Ernest, 35 med Spokane, Wn.
Hill, Frank Richard, 35 jc Seaford, Del.
Hill, Joseph Edward, 35 ag.....Moscow
Hill, Margaret Lucile, S 33 h...Moscow
Hill, Ray Harrison, 36 ce.....Lewiston
Hill, Roland Obed, 33 b.....Moscow
Hill, Wayne R., 36 jc.....Moscow
Himes, Mildred Louise, 36 jc Post Falls
Himes, Ruby Winifred, G ed Post Falls
Hinchliff, Paul, A.....Murtaugh
Hixon, Vernon Harvey, 35 ed.....Weiser
Hjort, Franklin Andrew, 35 me Kooskia
Hoback, William Gail, 34 s.....Moscow
Hobbs, Morgan Forbes, 35 f
Millwood, Wn.
Hobson, Karl Victor, 34 ag
Sedan, Kan.
Hockaday James Morrison, G S..Moscow
Hodge, Dorothy 36 jc.....Moscow
Hodgins, Marjorie Ziegler, 36 jc Moscow
Hodgson, Charles Worth, 34 ag Cottonwood
Hodson, Ila Bell, S 35 jc.....Moscow
Hoffman, Aldon Mellroy, 33 a.....Barber
Hoffman, Edward Garey, 36 jc...Barber
Hoffman, Fred Charles, 34 b...Edgemere
Hofmann, Maxine Myra, 35 jc...Moscow
Hofmann, Velma Marie, 34 h.....Moscow
Hoggan, George Call, 33 ag.....Lorenzo
Hogue, Wilbur Owings, S 34 ce..Burley
Hohnhorst, B. Franklin, 36 ag Hazelton
Hohnhorst, Henry Charles, 33 me Hazelton
Hoidal, Clarence Raymond, 34 ce....Troy
Holbrook, John Franklin, 36 ag.....Ola
Hollada, Artylee, S.....Moscow
Hollada, Ora Belle, 36 ed.....Moscow
Hollinger, Harvey Carl, 36 ag.....Paul
Hollingshead, Martha Mary, G S...Boise
Hollingshead, Laurance Leonard, G s
Boise
Hollingsworth, Max H., S 34 b Lewiston
Holm, Glenn Carlos, G ag.....Shelley
Holmes, Dolores Elizabeth, G S.....Buhl
Holmes, Donald Clifford, 35 ed.....Peck
Holmes, Enid Frances, 35 ed.....Boise
Holmes, Leslie Harold, 36 ed.....Nampa
Holt, Dorothy Marie, 36 jc.....Moscow
Honsowetz, Russell Edward, 36 jc
Harrison
Hoover, Julia Elizabeth, 34 h...Blackfoot
Hoover, Moss Gooding, 34 ce...Blackfoot
Hopkins, Bert Earl, G.....Moscow
Hopkins, Jesse Kysor, 33 f
Rochester, N. Y.
Hopkins, Marie Hayes, sp jc.....Moscow
Hordemann, Dorothy Ann, S.....Moscow
Horne, John Theo, 34 ee.....Malta
Horney, Mabel Marie, S.....Moscow
Horning, Theodore Roosevelt, G ag
Moscow
Horton, Agnes Mable, 33 ed Spokane, Wn.
Horton, Betty Jane, 36 jc.....Moscow
Horton, Marion Elmer, 37 jc.....Moscow
Hossfeld, Ralph Lowell, 36 ch....Moscow
Houmann, Oscar Bruun, G S G a..Boise
Houston, Elizabeth, 36 jc.....Emmett
Houtchens, Fae Catherine, S
Waitsburg, Wn.
Houtchens, Harold Max, S.....Moscow
Houtchens, Lulu Grace, G S.....Moscow
Hove, Inger, G S.....Genesee
Hove, Kermit, 35 jc .....Genesee
Howard, Jimmy Robert, 36 ag.....Parma
Howard, Myrtle Rachel, S..Pullman, Wn.
Howard, Sarah Bridgers, G.....Moscow
Howard, Ward Conrad, S 35 law.Kellogg
Howarth, Wilhelmina Sarah, S
Glenns Ferry
Howe, Don Philip, 36 ag Bonners Ferry
Hudelson, Eunice Marie, 33 h Cambridge
Hudelson, Vernon Lee, G ed Cambridge
Hudson, William Wallace, 36 g.....Boise
Hudson, Wilma Elizabeth, 34 b
Coeur d'Alene
Huffman, Averna Constance, 35 jc Stites
Huggins, Harley Eugene, 36 jc Craigmont
Hughes, LeRoy Jesse, S.....Bellevue
Hughes, Loren LaVerne, G ed...Bellevue
Hulme, Gertrude Ellen, 36 jc
Palo Alto, Cal.
Hultman, Anders Benjamin, 35 f
Veradale, Wn.
Humphrey, Elmer Newton, 34 ag Moscow
Humphrey, Mary Jean, 36 jc.....Moscow
Humphreys, Josephine Elizabeth, G S G ed
Moscow
Humphreys, Ruth Wilson, S 34 a.Moscow
Hunt, Esther Edsall, 35 jc...Twin Falls
Hunt, Thomas Albert, S..... Moscow
Hunt, Vincent Frank, 36 jc...Twin Falls
Hunt, William Boland, 35 ed.....Ashton
Hunter, Elra Loren, G S...Spokane, Wn.
Hunter, Julia Glenn, G S A a.....Boise
Hunter, Rollin Wheeler, 34 b.....Boise
Hunter, William Algeo, 36 ed
Coeur d'Alene
Hurley, Edward Emmett, 33 ed Montpelier
Hurst, Howard Allen, 35 jc Spokane, Wn.
Hutchinson, Jessie Edith, 33 a...Moscow
Hutteball, Eugene Eiler, 34 ee.....Boise

I

Iddings, Mary Louise, 36 jc..Peru, Ind.
Ingebritsen, Milford Stephen, 35 a Moscow
Ingle, Alcie Eleanor, 36 jc.....Kendrick
Ingle, Gerald Adams, 34 b.....Kendrick
Ingle, William Walter, 33 ag...Kendrick
Inman, Elbert Ellis, 36 ed.....Lewiston
Innis, James Alexander, 37 jc
Coeur d'Alene

Irwin, Gladys Dale, S.....New Meadows
Irwin, Leland Samuel, G S New Meadows
Irwin, Nellie Alene, 35 jc..New Meadows
Isaak, Philip, G.....Moscow
Isaksen, Lowell Marion, 34 ed...Genesee
Isenberg, Edward Hoyt, G S G a...Troy
Iverson, Norman Lloyd, 36 ed
Snoqualmie, Wn.

J

Jack, Ellen Mae, S 33 b.....Boise
Jackson, Gladys Pitt, S.....Moscow
Jackson, McKinley, sp ce Walla Walla. Wn,
Jackson, Ralph Wendell, 36 ag...Rupert
Jacobs, Elinor, 33 ed.....Lewiston
Jacobson, Alvin John, 33 ee.....Emmett
Jacoby, Harry Joseph, 34 ed
Bonners Ferry
Jaggard, Rector Hesse, 35 jc.....Wallace
James, Corland Lehman, 33 f
Spokane, Wn.
Janssen, Allen Sheely, 33 ce.....Moscow
Janssen, Winfred Stewart, 33 b.....Boise
Jarboe, Mary Francis, S.....Moscow
Jarlett, Oscar Joseph Jr., S 35 jc
Watertown, Conn.
Jay, Jimmie Wilbur, 34 f Maryville, Mo.
Jeffries, Mary Agnes, S.....Wallace
Jensen Ernest Caleb, G S A ed
Circle, Mont.
Jensen, Herman Andrew, S.....Orofino
Jeppesen, Karl, 36 ag..... Darlington
Jeppesen, Vernon Kermit, 33 law
Darlington
Jepsen, Stanley Marius, 35 jc
Columbus, Ohio
Jessup, Clifford Arthur, 36 ee...Moscow
Johns, Howard Walter, 35 jc.....Boise
Johnson, Audella, 36 jc...Spokane, Wn.
Johnson, Azalea Martha, 37 ed Nezperce
Johnson, Clive Roland, 33 med Marysville
Johnson, Constance Alvida, 36 jc
Spokane, Wn.
Johnson, Donald Gust, 35 f
Jamestown, N. Y.
Johnson, Jesse Clarence, 36 jc....Genesee
Johnson, John Oliver, G S Coeur d'Alene
Johnson, Lucia Louise, 36 jc.....Council
Johnson, Margaret Mary, S.....Lewiston
Johnson, Marion, 36 jc.....Burley
Johnson, Norman Lee, 36 jc.....Moscow
Johnson, Olga Mary, S.....Payette
Johnson, Robert Wells, 36 jc....Lewiston
Johnson, Russell Ray, 36 ee.....Moscow
Johnson, Ruth Hildreth, S 35 jc..Moscow
Johnson, Sylvia, S.....Genesee
Johnston, Elmer Maurice, 36 me..Plummer
Joice, Charles Bradley, sp me.....Moscow
Joice, Donald Kelly, 36 jc.....Moscow
Jones, Catherine Elizabeth, G S...Moscow
Jones, Claudia Elizabeth, 34 h..Sandpoint
Jones, Edward Morris Jr., 35 jc
Coeur d'Alene
Jones, Evelyn, 36 jc.....Moscow
Jones, Ira Clinton, 37 me New Plymouth
Jones, Jayne, 35 jc.....Malad
Jones, Jedd Glenn, 34 s.....Malad
Jones, Mable, S.....Malad
Jones, Margaret Louise, 35 jc....Moscow
Jones, Paul Everett, 34 ed....Twin Falls
Jones, Phyl, 35 ed.....Wallace
Jones, Zena, S.....Lewiston
Jossis, Sigfrid Axel, 33 b.....Meridian
Jouno, Russell John Jr., G ed Haas, Wn.
Joyce, John William, G ed.....Buhl
Jump, Roy William, 35 ee....Winchester
Justus, Charles Henry, 35 min...Harrison

K

Kail, Parris Emmett, 35 jc...Twin Falls
Kalbus, James Willard, 34 b.....Eagle
Kaul, Mohan Nathaniel, G s..Seattle, Wn.
Kearns, Helen Elizabeth, 33 ed
Spokane, Wn.
Keating, Bernice Bergetta, 33 h
Rock Springs, Wyo.
Keating, Charles Arthur, 34 b....Wallace
Keating, Mary Elizabeth, 35 ed..Wallace
Keef, Dennis William, 33 me
New Plymouth
Keel, James Stanley Jr., 36 jc....Moscow
Keener, Kathleen Adella, 33 a...Pocatello
Keeney, Jessie Lenore, 36 jc.....Moscow
Kehrer, Ruth Eileen, 34 s.....Boise
Keller, John Robert, 36 jc.....Culdesac
Kelley, Ray Hansen, G S G s...Rexburg
Kellogg, Margaret, 34 h.....Payette
Kelly, Richard Lewis, 35 ed.....Troy
Kelly, Thomas Burt, G S A ed..Kellogg
Kendrick, David Donald, 35 jc
La Grande, Ore.
Kennard, Kathryn Isabel, S 35 jc Moscow
Kennard, Patricia Ann, S 34 a...Moscow
Kennedy, Mary Eileen, 36 jc.....Moscow
Kenworthy, Kenneth Paul, 33 ee Hansen
Kenworthy, Wayne Arthur, 36 jc Hansen
Kercheval, Robert Michael, 35 jc
Coeur d'Alene
Kernan, Kathryn Anne, S.....Boise
Kersey, Mary Martha, S 33 b St. Maries
Kershisnik, Frances Christine, S...Burley
Kessinger, Roxie Florence, 33 ed..Rupert
Keyser, Louis Schroer, 34 s Spokane, Wn.
Khalapur, Assad Mohammed, 36 ag
Teberan, Persia
Kienholz, Helen Beulah, 36 jc.....Moscow
Kienholz, Mabel Gertrude, G S...Moscow
Kietzman, John Payne, 35 f
Los Angeles, Cal.
Kildea, York Alphonsus, G S G a
Coeur d'Alene
Killian, Remos Anthony, 36 ed...Wallace
King, John William, 35 ed.....Lewiston
King, Lee Kipling, 35 f.....Lewiston
King, Loren Thomas, S.....St. Maries
King, Margaret Alice Rene, 35 ed
Malta, Mont.
King, Myna Maxine, 36 ed.....Moscow
Kingsbury, Jean Elizabeth, 35 a...Wallace
Kingsbury, Joe Worth, 36 ag.....Malad
Kinney, Janet Rankin, 35 jc Headquarters
Kinney, William Abram, S.....Laclede
Kirkhoven, Roy Joseph, 36 ee Sandpoint
Kirklin, Harold Lincoln, G S.....Kooskia
Kirkpatrick, Allan Elwyn, 33 ee..Moscow
Kirkpatrick, Kenneth Kenwood, 35 ch
Moscow
Kirkwood, Mary Burnette, G.....Moscow
Kirtley, Vernon Augustus, 36 jc Kooskia
Kjosness, Margrethe Nikoline, 35 jc
Spokane, Wn.
Kjosness, Mary Ellen, 33 s Spokane, Wn.
Klein, Frank Joseph, 36 f
Fairview Vill., Ohio
Klein, George Matthew, 35 f Oakland, Cal.
Kleiner, William Carl Jr., 34 min Moscow
Kleinkopf, Arthur Meredith, S.....Eden
Klickman, Gertrude Moews, 35 mus. ed.
Genesee
Kline, Emanuel Mooney 35 ed
Plainfield, N. J.
Kline, Morris William, A ed.....Boise
Klingler, Marion Vorpe, 35 jc.....Hailey
Knight, Ralph Emerson, 35 ag....Payette

Knighton, Charles Morland, 36 ag Moore
Koch, Henry Ferd, 34 ee .....Hammett
Koontz, Francis Royce, 36 jc
Fullerton, Cal.
Koontz, Leola Sue, 35 jc Fullerton, Cal.
Koster, Clara Theresa, S.....Moscow
Koster, Albert Edward, G ag.....Moscow
Kraemer, John Hugo, 35 f Albany, N. Y.
Kraemer, Leo Glenville, 35 jc...Plummer
Krantz, Azalia Gladys, 33 a.....Blackfoot
Krave, Knut Gustav Henry, 34 s...Nampa
Kroll, Egon Herbert, 35 met Coeur d'Alene
Kroll, Herbert Vincent, 36 jc
Coeur d'Alene
Kulp, Mark Rupp, G S G ae.....Moscow

L

Lacy, Dan Edgar, 33 ed.....Buhl
Lacy, Henry Ambrose, G S.....Buhl
Lacy, Ruth W., 36 jc.....Buhl
Ladd, Arthur Folk, 34 ed.....Cataldo
Lafferty, Elsie Wilma, 35 jc.....Kellogg
Lafferty, Robert Jefferson Jr., S
Spokane, Wn.
Laidlaw, Annabel, 36 jc.....Boise
Laidlaw, Sandy, 33 b.....Boise
Laird, Virginia Kathryn, 35 ed. Craigmont
Lamar, Pauline, G.....Corvallis, Ore.
Lamb, Herschell Stanton, S.....Weiser
Lamberson, Ray E., 36 f.....Granite
Lambert, Robert Edward, 36 me Leadore
Lampman, Clifford Elmer, G.....Moscow
Lande, Erling Norman, 36 jc.....Genesee
Lane, Kathryn Folmer, 36 jc.....Lapwai
Laney, Francis Towner, 35 jc.....Moscow
Laney, Mary Lauretta, S..Coeur d'Alene
Lang, Jonathan, 35 ag.....Portland, Ore.
Langdon, Alwilda, G S.....Lewiston
Langer, Geraldine Rosalie, 36 jc.. Jerome
Langford, Bennett Gordon, 35 ch
Coeur d'Alene
Langley, Howard Dunham, 34 ce....Boise
Langston, Ralph Jefferson, 36 jc..Boise
Larsen, Darrell Reed, 35 min...Rexburg
Larsen, Kenneth Alfred, 36 f....Moscow
Larsen, Loyd Edwin, 34 ee.....Moscow
Larsen, Prudence Ragnhild, 36 ed Moscow
Larson, Byrnece Doris, S.....Moscow
Larson, Frances Detlor, 33 a.....Weiser
Larson, Harold Lundgren, G S Blackfoot
Larson, James Kenneth, G S.....Malad
Larson, Leslie Lundgren, 33 s..Blackfoot
Larsson, Paul Reynold, 33 f Sac City, Iowa
Lash, Robert Louis, 35 f Los Angeles, Cal.
Laskey, Irving Henry, 34 min.....Kellogg
Latimore, Helen Dorothea, 35 jc Mt. Home
Lauder, Alma, 36 jc.....Moscow
Laughlin, Kyle Emmett, G S A ed Moscow
Lawrence, Helen Margaret, 36 jc
Spokane, Wn.
Laxton, Aura Lois, 36 ed.....Rupert
Leatham, Earl George, 36 g Rawlins, Wyo.
LeClaire, Harry Walter, 36 jc
Coeur d'Alene
Ledford, Bryce, 34 f..Manchester, Tenn.
Lee, Chai Whan, G ed...Anseung, Korea
Lee, Charles Albert, 33 g...Lindsay, Cal.
Lee, Eldred, 35 ag.....Rigby
Lee, Thomas Harold, 34 a.....Rigby
LeGore, George William 36 ed
Coeur d'Alene
LeGore, Jack Roy, 36 ed Coeur d'Alene
LeGore, Mary Laone, 35 ed Coeur d'Alene
Leighton, Jewell Claudia, 33 ed.....Boise
Leistner, Lillie M., S A ed Palouse, Wn.
Leitch, Mabel Margaret, G.....Lewiston
Leitch, Thelma Marie, S.....Nezperce
Leithe, Carl Clemens, 35 b Coeur d'Alene
LeMoyne, Charles Jr., 33 ce.....Boise
Lennon, Bernice Josephine, 34 ed
Farmington, Wn.
Lessey, Clara Mae, 36 a.....Moscow
Lew, Marie Margaret, S 33 h.....Moscow
Lewis, Edith, S.....Oakley
Lewis, Ellen Elizabeth, 35 ed.....Oakley
Lewis, Erma, 36 jc.....Burley
Lewis, William David, 35 jc
San Francisco, Cal.
L'Herisson, Marjorie Alice, 36 jc Jerome
Lichtenberg, Ora I., S.....Alta, Iowa
Limbert, Harvey Emmet, G S A Bellevue
Lind, Edna Schiller, G a.....Moscow
Lindroos, Emmert William, 33 min
Wallace
Lindsay, Clive John, G ed.....Hazelton
Lindsey, Dorothy Margaret, 33 ed Nampa
Linton, Thomas Byron, 35 me
Priest River
Lisowski, Josephine, S.....St. Maries
Little, Robert James, 36 f.....Emmett
Livingston, Carroll Clermont, 34 min
Moscow
Locke, Mabel, G.....Moscow
Locke, Martha Walker, sp s.....Moscow
Lockett, Annette Jane, 33 s.....Boise
Lockridge, Carroll Otto, G S...Ely, Nev.
Lockridge, Ruth E. Thomas, S...Ely, Nev.
Long, Elbert Monroe, S 33 s...Kendrick
Long, Rolla Edwin, G S A ed.....Gifford
Longeteig, Norma, 33 a.....Craigmont
Loomis, Elizabeth Eleanora, 35 ed Orofino
Lord, Philip Burtt, 33 f...Pasadena, Cal.
Louis Lilly Eveline, 33 ed Coeur d'Alene
Lovette, Adrienne Teyonne, 35 ed Mullan
Low, Bonita Ruth, 34 ed.....Ashton
Lowe, Caroline, S.....Blackfoot
Lownik, Edward Chester, 36 f
Florence, Wis.
Lowry, William James, G S A ed Plummer
Lucas, Edward Aquila, 35 jc.....Wallace
Lucas, Harriett Elizabeth, 35 jc.....Boise
Luke, Harvard Chester, 36 ag.....Moscow
Lukens, John Fritchle, 36 jc.....Boise
Lundquist, Elmer Clinton, 35 me Moscow
Lundquist, Melvin Albert, 36 me Moscow
Lundquist, Mildred Elsie, 35 jc...Moscow
Lundstrum, William Grannis, 35 g
Lewiston
Lunstrum, Carl Kenneth, 33 ag.....Boise
Luther, Carter Van, 36 ag.....Gooding
Luttropp, Edwin Henry, 34 ag...Orofino
Luttropp, Ida Anna, S.....Orofino
Lutz, Benjamin Frank, 35 jc.....Kellogg
Luvaas, Bernard Phlander, 37 ed Moscow
Lycan, Jefferson Ellsworth, S...Kooskia
Lyle, Don Rogers, S.....Lewiston
Lyle, Elizabeth Louise, 34 ed....Lewiston
Lyle, Parker Alley, 36 ag.....Lapwai
Lynch, Marie Augusta, 35 ed.....Orofino
Lyon, Chaumo Walker, 34 law Idaho Falls
Lyon, Richard Homer, 36 jc
New Haven, Conn.
Lyon, Ruth, 35 a.....Idaho Falls
Lyons, Daniel Milton, 35 jc....Southwick
Lyons, Raymond Donald, 35 f..Southwick
Lyons, Reginald Charles, 35 jc...Kellogg
Lystad, Irving Conrad, 36 jc.....Boise
Lystila, Florence Vienna, S.....Moscow

Mc

McAfee, Alyce Mildred, S Coeur d'Alene
McAllister, Nona Beryl, 36 jc...Kendrick
McAvoy, George Thomas, 36 ed St. Maries
McAtee, Frank James, 34 med Twin Falls

McBirney, Harold Raymond, 33 ee.Boise
McBirney, Herman Clyde, 35 me...Boise
McBride, Thomas Andrew, 35 jc..Kellogg
McCabe, Josephine June, 35 ed Chatcolet
McCabe, Mary Carmel, G S G a Moscow
McCallie, Wilbur Laurance, 36 jc Kamiah
McCallum, Herbert Lithgon, 35 g Trail, B. C., Canada
McCannon, Hazel Mary, 34 a Spokane, Wn.
McCannon, Helen Charlotte, S Spokane, Wn.
McCarty, Geraldine, 34 ed.....Boise
McCaw, Mary Katherine, 34 h Aberdeen, Wn.
McClain, Donald Elwood, 33 ee Twin Falls
McClusky, David Albert, 35 med...Buhl
McComb, Dorothy Jean, 37 jc.....Troy
McComb, Jane Marian, G S.....Troy
McComb, Ruth Margaret, 35 jc.....Troy
McConnel, Roger Harmon, G g...Caldwell
McConnell, Charles, G ed.....Moscow
McConnell, Frances Elizabeth, S..Moscow
McCormack, Kathryn Belle, G S Lewiston
McCoy, Elvis Wilson, G ag.....Moscow
McCoy, Harry Stanbery, 35 jc Twin Falls
McCrea, William Sherbourne, 36 jc Coeur d'Alene
McDaniel, Keith Kendrick, sp ce Spokane, Wn.
McDonald, George, G S 35 law Moscow
McDowell, Jay Carl, 35 jc Rockford, Wn.
McEachern, Maybelle Elizabeth, 36 ed King Hill
McFadden, Isabella Maria, 33 ed Hailey
McFarland, Dorothy Eva, 33 h Spokane, Wn.
McGlashan, Donald Warren, 34 g Twin Falls
McGrath, Laura, 36 jc.....Lapwai
McGrath, Lodie Manie, 35 jc.....Lapwai
McGuire, Jack Goodwin, 35 ce.....Boise
McGuire, Kenneth Paul, G S...Shoshone
McInerney, Howard Oswald, 35 jc Spokane, Wn.
McKay, Hugh Shepard C., 35 ag Aberdeen
McKeirnan, Irene Vivian, 34 ed Pomeroy, Wn.
McKenna, Martin James. S 35 jc Moscow
McKinley, Frank Marvin, 34 met Wallace
McKinney, Geneal Sweet, 35 jc Lewiston
McLane, Lulu Rachel, 34 ed.....Chester
McLean, Wilbert Ray, 33 ag Muscatine, Iowa
McLeod, Katherine Jane, S.....Nezperce
McManamin, John Francis, 34 a Coeur d'Alene
McMillan, Evelyn Louise, S 33 a Sandpoint
McMonigle, Frances Catherine, S 33 ed Boise
McNair, John Jay, G f...Cloquet, Minn.
McNaughton, Frances Jean, 35 jc Coeur d'Alene
McNaughton, Marjorie, G S Coeur d'Alene
McNealy, Clarence Tillis, 35 ed.....Buhl
McPherson, Ivy Mildred, 34 h.....Boise
McProud, Gene Elbert 34 ag.....Lewiston
McQuade, Jack Francis, 34 law...Moscow
McRae, Robert James, 33 min.....McCall
McWilliams, Walter Charles, S 34 a Moscow

M

Macdonald, Jessie Edith, S 33 b Pocatello
MacVean, Marjory Elizabeth, S 35 ed Moscow
Madarang, Servando Abad, 34 ag Rosario, P. I.
Maede, Albert Lain, 34 me.....Moscow
Maeser, Karl Gilbert, G S A ed...Shelley
Magana, Fidel Torres, 35 jc S. Jaun, P. I.
Magee, Elsie Margaret, S 35 ed.....Boise
Magnuson, Howard William, 36 ag Worley
Maguire, Hugh Charles, 36 jc.....Buhl
Maguire, Virginia Lee, 33 a Spokane, Wn.
Mahngar, Bachittar Singh, G ag Punjab, India
Mains, Keenan Bushnell, 34 b.....Boise
Malcolm, Susan Sidona, 33 a Spokane, Wn.
Malin, Maurice Edgar, 36 jc.....Kellogg
Mallory, Betty May, 36 ed.....Bovill
Malony, Bernice Day, 34 a.....Wallace
Mangum, John Robert, 34 med.....Nampa
Mann, Curtis Whaley, 35 b Spokane, Wn.
Mann, Karam Singh, S 33 ag P ag Punjab, India
Manwaring, Eugene Bird, 34 b Rexburg
March, Clement Clair, 35 g.....Lowman
March, Maurice Winferd, 34 f...Lowman
Marcus, Claude Virgil, 34 law St. John, Wn.
Marcus, Vincent Charles, 35 ee...Kellogg
Mark, Frederick Albert, G ag...Blackfoot
Marsh, Helen Amelia, 36 jc.....Kooskia
Marsh, Victoria Louise, 35 jc.....Kooskia
Marshall, Charles Eimers, 36 jc Grangeville
Marshall, James Norbert, 33 ag Idaho Falls
Marshall, Marvin Malcolm, 36 f Bonne Terre, Mo.
Marshall, Raymond Cyril, 36 ag Idaho Falls
Martin, Elenora Margaret, 35 jc...Boise
Martin, Eulene Althea, 35 jc.....Boise
Martin, Helen, 36 jc.....Moscow
Martin, Paris Townsend, 35 law.....Boise
Martinez, James Paul, 34 s Taos, N. Mex.
Martinsen, Earl Barlow, 36 ch St. Maries
Martinson, Mart Charles, 36 ed Lewiston
Martinson, Vernon Eugene, 36 me St. Maries
Mason, Charles Benjamin, 36 jc Coeur d'Alene
Massier, John, 33 ch.....Pocatello
Matson, George Albert, 34 ch Coeur d'Alene
Matthaeus, Alfred Henry, 33 me...Boise
Matthews, Margaret Maude, 35 jc..Boise
Matthews, Marietta Burr, S.....Boise
Matthews, Mildred Gladys, 36 jc..Kellogg
Maughan, Bertha Andrea, S.....Weston
Maurer, Fred D., 34 b.....Moscow
Maxfield, Ray Austin, 33 g...Pasco, Wn.
Maxwell, James Fox, 36 ce....Twin Falls
Mayer, Edward William, 36 jc...Kellogg
Mays, Carl Floyd, 33 ag.....Howe
Meisner, Racheal Mary, G S.....Moscow
Melgard, Helen Winifred, G S...Moscow
Mellinger, John Forrest, 33 a Spokane, Wn.
Melzian, Harriet Roberts, 35 jc Moscow
Meneely, Erle Newton, 35 me....Moscow
Meneely, William Alfred, 36 ee...Moscow
Menzies, Dorothy Elizabeth, 34 a..Nampa
Mercer, Elwyn Jarvis, 35 me.....Moscow
Merchant, Wilbur Whittaker, 35 ed New Brunswick, N. J.
Merriam, Betty, 33 b.....Wallace
Merriam, Eleanor, 34 b.....Wallace
Merrick, Charles William, 35 jc.....Buhl
Merrick, Virginia May, 35 ed.....Buhl
Messenger, Dorothy Elizabeth, G S Moscow

Meyer, Rose, 34 ed.....Gooding
Meyer, Ruth, 34 ed.....Gooding
Miles, Lewis Clarence, 33 ed....Lewiston
Miller, Catherine Ritchey, G.....Moscow
Miller, Clyde John, 35 ed.....Plummer
Miller, Edith Ilomay, S 36 ed...Moscow
Miller, Fred Lewis, 34 me.....Moscow
Miller, George Morey II, 34 a...Moscow
Miller, Harry, G S G.....Moscow
Miller, Heloise Susan, 33 ed..Twin Falls
Miller, James Henry, 36 ee .....Gibbs
Miller, John Bakken, 35 g.....Bovill
Miller, John Smith, 33 a .....Moscow
Miller, Lionel Percy, 36 f.....Emmett
Miller, Norman Rhodes, 36 ed
New York, N. Y.
Miller, Paul Theodore, 33 a
Oklahoma City, Okla.
Miller, Vaye Grace Hart, 35 ed...Moscow
Miller, William Joseph, 36 ee...Eastport
Mills, Edith Lucille, 36 jc.....Moscow
Mills, Raymond Gordon, 36 ce.....Boise
Milner, John Gillette, 34 ed..Twin Falls
Milot, Ernest Wilbur, 36 f.....Kellogg
Mitchell, Anna Lorene, 36 jc
New Meadows
Mitchell, Jack Edwin, 33 ed.....Moscow
Mitchell, Lutie Mae, G ed.....Nezperce
Mitchell, Robert Clair, 34 g.....Rupert
Mitchell, Ruth Adelaide, G S.....Boise
Mitchell, Walter Paul, 35 f
Point Arena, Cal.
Mitchell, Wilma Elmira, 36 mus. ed.
Shoshone
Mitchell, Woodrow Wilson, 36 ag Nezperce
Mix, Betty Jane, 36 ed.....Moscow
Mix, Gainford William, S 33 ag Moscow
Mix, Mary Lucile, 33 ed.....Moscow
Modie, Donald Leandor, 34 a Colfax, Wn.
Monnett, Wallace Patchin, 33 b
Walla Walla, Wn.
Monroe, Harry Carson, 36 ed...Culdesac
Moore, Ardath Carol, 33 a.....Ashton
Moore, Daniel Burson, 36 ce.....Moscow
Moore, Dorsey Charles, 36 jc.....Boise
Moore, George Kenneth, 35 jc...Kellogg
Moore, Helen Elizabeth, 33 ed...Moscow
Moore, James Albert, 36 jc.....Melba
Moore, Juan Hillman, 34 ch.....Burley
Moore, Lorna Kerr, 33 n Marysville, Mont.
Moore, Lucile Blanche, 33 a...Pocatello
Moore, Lynn Lukins, 36 jc.....Lewiston
Moore, Ralphine Ronald, S 34 a..Moscow
Moore, William Cloud, G a.....Moscow
Morfitt, Carl Clifford, 35 jc...Twin Falls
Morgan, Dan Jr., 35 jc.....Spokane, Wn.
Morgan, Gilbert Edwin, 36 jc....Moscow
Morgan, Jack Ingram, 34 ee.....Cabarton
Morgan, Janet Elizabeth, S 33 ed Kellogg
Morgan, Lewis Drexel, S.....Lewiston
Morgan, Ralph Alexander, 35 b Kellogg
Mori, Sara, 34 b.....Shoshone
Morley, Louise Astrid, 33 ed Idaho Falls
Morris, John Baker, 36 jc.....Lewiston
Morris, Josephine, S.....Spokane, Wn.
Morris, Robert James, 36 ch....Potlatch
Morris, Ruth Mellinger, S 34 a..Moscow
Morscheck, George William, S...Genesee
Moser, Charles Edwin, 33 ch Post Falls
Moser, Robert Delmore, 35 g.....Rupert
Moss, Virgil Daniel, G f.....Moscow
Mossman, Lucile, 33 ed.....Nampa
Moulton, Margaret Ruth, 34 a
Kennewick, Wn
Moultrop, Lena Verna, G S A ed Emmett
Mount, Charles James Jr., 36 jc
Hollywood ,Cal
Muhlfeld, Dorothy Helen, S Bonners Ferry
Mullikin, Clifford James, G S.....Troy
Mullikin, Mabel Rue, 35 jc.....Troy
Munthe, Bert Roscoe, 34 f
Two Harbors, Minn.
Murdock, Brigham Dallas, 33 ag
Drummond
Murphy, Donald Merle, 35 ag Twin Falls
Murphy, Leslie Carlton, 34 s..Twin Falls
Murphy, Nell Louise, 34 ed.....Wallace
Murphy, Vesta Rasmussen, S
Berkeley, Cal.
Murray, James Milton, G S.....Nampa

N

Nail, Elizabeth Vineta, 36 jc Spokane, Wn.
Naslund, Glen Erick, 36 ed Coeur d'Alene
Naylor, Lois Mae, 36 ed.....Moscow
Neeley, Charles Cormack, 35 jc...Weiser
Neely, Clark Henry, 34 a.....Weiser
Neely, Anna McHenry, S 34 ed...Moscow
Neely, Helen Ruth, 35 jc.....Twin Falls
Neil, Coleman James, 36 ce.....Moscow
Neil, Geraldine Melina, 36 jc....Moscow
Neilson, Lauren Ingard, 34 s ..Pocatello
Nelson, Arthur Paul, 35 met.....Boise
Nelson, Arvid R., 34 law.....Moscow
Nelson, Einar Fritjof, 33 ed.....Moscow
Nelson, Elvera Victoria, 33 h.....Moscow
Nelson, Ernest Vernon, 34 ed....Moscow
Nelson, Harvey Ferdinand, 36 f
Racine, Wis.
Nelson, Krista Henriett, S.....Bellevue
Nelson, Lewis Bailey, 36 ag.....Emmett
Nelson, Richard Peter, 36 jc
Willow Creek, Mont.
Nelson, Vernon Jerome, 34 ee.....Troy
Netzel, Harold Edward, S 34 ed Lewiston
Neupert, George Jennings, G S Lewiston
Neveux, Hollis Eugene, 35 jc
Coeur d'Alene
Newcomb, Lawrence Sharp, 34 f
Coeur d'Alene
Newhouse, Pauline Louise, 35 jc...Boise
Newhouse, Robert Earl, 34 b.....Kuna
Newton, Francis John, 36 jc....Moscow
Newton, Joseph, G.....Moscow
Nicholson, Kathryn Margariette, 35 jc
Boise
Nichols-Roy, Vida Theodora, S 34 med
Mt. View, Shillong, India
Nielsen, Carl M., G S A ed ....St. Maries
Nielsen, Einer John, G S A ed
Soda Springs
Noble, Harriet Louise, S 33 ed...Moscow
Nock, Wesley Stephan, 34 med.....Mesa
Nollie, Kenneth John, 34 ce
Trail, B. C., Canada
Nonini, Francis Vitto, G S.....Mackay
Norby, John Heyerdahl, 34 ed....Rupert
Norell, Doris Irene, 34 ed.....Mt. Home
Norell, James Alden, G ed....Mt. Home
Normington, Bula Bechtel, G S..Moscow
Norris, Harriett, 36 jc.....Payette
Northby, Walter Latham, 33 g
Minneapolis, Minn.
Noyes, Rachael Louise, S...Hanford, Wn.
Nugent, Alfred Eugene III, 35 min
Wallace
Nunemaker, John Coleman, G s Twin Falls
Nurmi, Edwin Oliver, 36 ag.....Enaville
Nutting, Richard Curtice, 35 ag...Rupert

O

O'Brien, Catherine Helen, 33 a
Spokane, Wn.
O'Bryan, Gordon Charles, 35 me Lewiston
O'Connor, Mona Kathleen, 36 jc Moscow

O'Dea, Mary Eileen, 35 ed Spokane, Wn.
O'Donnell, John Morris, 34 law...Moscow
O'Hara, Dorothy Eveleen, 35 ed Moscow
O'Leary, Kenneth Webster, 33 law
Salt Lake City, Utah
O'Meara, Cecil Lois, 36 jc.....Moscow
O'Meara, Donald John, 36 me....Moscow
O'Neal, Ethlyn Virginia, 35 jc....Rupert
O'Neil, Catherine Jane, 33 a
Coeur d'Alene
O'Neil, John Patrick, 36 jc Coeur d'Alene
O'Neill, William James, S 36 jc
Idaho Falls
Oberg, Eva Victoria, 36 ed.....Moscow
Oberholtzer, William Dick, 33 b..Burley
Obermeyer, Elizabeth K., 36 jc...Emmett
Ogle, Elvin Clinton, 36 ee.....Moscow
Olesen, Gertrude Lorraine, 36 jc..Moscow
Oliver, Marguerite Isabelle, G b...Moscow
Olmstead, Madeline, G S Mitchell, S. D.
Olmstead, Ralph Lee, G ag.....Plummer
Olmstead, Ralph Webb, 34 law..Minidoka
Olsen, Earl Joseph, 36 jc.....Moscow
Olsen, Wendell Howard, 34 ed Montpelier
Olson, Clarence Bernard, 36 ag..Nezperce
Olson, Everett George, 35 ee
Coeur d'Alene
Olson, Marvin Ardell, 33 g Coeur d'Alene
Olson, Matilda Bertina, S.....Bovill
Olson, Norman Olaf, 36 ag.....Moscow
Olson, Shelley Girsel, 36 jc.....Bovill
Opie, Robert Stanley, 34 f..Butte, Mont.
Orchard, Christine Amelia, 36 ed...Boise
Orlandini, Bruno, 35 ch.....Kellogg
Orr, Frances Jane, 34 a .....Grace
Orr, Kenneth Dew, 34 med.....Moscow
Osborn, Ralph Ransom, 35 ag.....Hailey
Ostermeier, Edwin Charles, 36 ag Parma
Ostermeier, William Henry, 34 me Parma
Ostroot, Edwin Earl, 33 a.....Moscow
Ostroot, Norval Theodore, 34 b..Moscow
Oud, Margaret Elizabeth, 33 ed...Orofino
Owen, Glenn Byron, 36 ed.....Post Falls

P

Pace, Mary Jane, 36 ed...Bonners Ferry
Pace, Maurice David, G S Bonners Ferry
Packenham, Howard Emerson, G a Moscow
Packham, Charles William, 36 ag Fairfield
Packham, John Earl, 36 ag.....Fairfield
Painter, Thomas Willits, 36 ee.....Boise
Palmer, George Lowell, 33 ag...Obsidian
Pamatian, Pampilo Mati-ong, S
Makato, Capiz, P. I.
Papesh, Doris Mae, 36 jc.....Kellogg
Papesh, George Wencel, 35 b.....Kellogg
Park, Morey Austin Jr., 36 min
Boothwyn, Pa.
Parker, Don Everet, 36 ed.....Homedale
Parker, Gertrude Marlys, 33 ed..Lewiston
Parker, John Leon, 35 ag.....Rexburg
Parker, John William, 34 f Garden Valley
Parker, Ruth Etta, S 33 h.....Moscow
Parkins, Robert Blaine, 36 ch.....Moscow
Parkinson, Warren Lee, 35 ed.....Boise
Parrott, Irene Grace, 36 jc...Twin Falls
Parsons, Grace McClintock, G S...Boise
Paskin, Louis, 36 f.....South Bend, Ind.
Pattee, Paul Fred, 36 ag.....Tendoy
Patterson, Wade Alexander, 36 jc Moscow
Patton, Crawford Lee, 36 ed Palouse, Wn.
Patton, Regina Mae, 35 ed..Palouse, Wn.
Paulsen, Fern Marie, 34 a.....Lewiston
Paulson, Paul Edwin, 34 me
New Westminster, B. C., Canada
Payne, Spencer Harvey, 36 jc...Moscow
Payer, Josephine, G S.....Nampa
Peach, Darleen Inez, 35 ed...Priest River
Peacock, John Jones, 33 law.....Weiser
Pearce, Beatrice, G S...Washtucna, Wn.
Pearson, Rodney Alma, 35 ag.....Moore
Peavey, Frank Harris, 35 ce..Twin Falls
Pechanec, Joseph Frank, G.....Nampa
Peck, Virginia Inadine, G s
Santa Ana, Cal.
Pence, Albert Lloyd Jr., 33 ce....Payette
Pence, James Orville, 33 ch.....Mackay
Pence, Peter Munson, 33 s.....Payette
Penwell, Merritt Vernon, 34 g...Moscow
Penwell, Park Hugo, 35 ag.....Moscow
Perrine, Eugene, S 33 a.....Twin Falls
Petersen, Don Andrew, 36 ag.....Paul
Petersen, Ray Olif, 35 ag.....Paul
Peterson, Alice Esther, G S.....Moscow
Peterson, Aulis Allen, 36 ed.....Kellogg
Peterson, Bernard Miller, 36 ed...Moscow
Peterson, Ellen Emelia, S 34 ed...Moscow
Peterson, Ernest Dean, G ce...Aberdeen
Peterson, Evelyn Margaret, 35 jc Potlatch
Peterson, Homer Franklin, 35 min
Potlatch
Peterson, Howard Martin, 35 jc
San Francisco, Cal.
Peterson, Ina Millicent, G ed.....Moscow
Peterson, Jane Ann, 36 jc.....Boise
Peterson, Joseph Roberts, S 34 b....Boise
Peterson, Maurine Laura, 34 n...Potlatch
Peterson, Mildred Edna, 34 ed....Viola
Peterson, Phyllis Anne, 36 jc.....Payette
Peterson, Ralph Nicholas, G S...Potlatch
Petty, Walter Edward, 36 jc Spokane, Wn.
Phinney, Margaret Blair, 33 ed Sandpoint
Pierce, Horace Elburn, 35 jc...Twin Falls
Pierson, Emma Lorine, 35 ed.....Worley
Pierson, Royale King, G f.....Moscow
Pimentel, Joseph Edwin, 35 ch Shoshone
Pipkin, Marjorie Adell, S.....Rupert
Pittman, William Henry, G a.....Moscow
Pizey, Pauline Martha, 33 ed.....Boise
Plastino, Genio Jene, 33 ch.....Camas
Platt, Kenneth Batdorf, G.....Sweetwater
Pope, Steven John, 34 ee....Hayden Lake
Post, Fred Bartleson, 36 ee....Rathdrum
Post, Jane, 36 ed.....Rathdrum
Potter, James Thomas, S 34 s
Ontario, Ore.
Potter, Wilma Bevercombe, G ed
Twin Falls
Potts, William Howard, 34 b Coeur d'Alene
Powell, Genevieve Budrow, G a Blackfoot
Powell, George Henry, G ed...Blackfoot
Powell, John William, 34 b.....Rupert
Poyneer, Almeda Marie, G S Everett, Wn.
Pratt, Florence Elizabeth, 33 h
Grangeville
Preston, Elford Chilcote, G S ...Caldwell
Preuss, Dorothy Emma, 36 jc Tacoma, Wn.
Prichard, Theodore Jan, G a
Thief River Falls, Minn.
Priebe, Melcher Walter, G S..Twin Falls
Prindiville, Gerald Andrew, G ed
San Jose, Cal.
Provost, Leo Gordon, G S.....Moscow
Provost, Louisa Martin, G S.....Moscow
Puckett, Dorothy Italy, 35 ed....Potlatch
Pugh, Eugene V., 34 ed...New Plymouth
Pugh, Helen Mae, 35 ed.....Harrison
Purcell, Etta Isabell, 35 jc.....Starkey

Q

Qualey, Irene Florence, S.....Genesee
Quayle, June, 35 jc.....Dingle
Quigley, Margaret Virginia, 35 jc Wallace

Quinstrom, Roy Jack, 35 min
Trail, B. C., Canada
Quist, Frederick Fenn, 34 ee.....Kooskia

R

Raide, Theodore Emil, 34 f.....Enaville
Ramstedt, Agnes Matilda, S 33 m Moscow
Ramstedt, Bernard Nathaniel, 35 law
Moscow
Randall, Gladys Naomi, 33 a.....Moscow
Randall, LaVerne John, 34 ed...Moscow
Randall, Lester James, 33 b.....Moscow
Rankin, Vera Eaton, S.....Orofino
Rantschler, John Milford, 34 ed
Metaline Falls, Wn.
Raring, Robert Holland, G met
Harrisburg, Pa.
Rasmussen, Russel Asoph, S 33 ag G ag
Boise
Rasor, Charles Alfred, G g.....Boise
Ratcliffe, Charles Leonard, S..Twin Falls
Reardon, Catherine Ann, S 33 mus. ed.
Moscow
Reavis, Crowell Ben, S.....Roswell
Redfield, Marjorie Jean, 35 jc
Spokane, Wn.
Redford, Hugh, 34 law.....Rupert
Redford, John Edgar, S.....Malad
Redford, Keith Deal, S.....Glenns Ferry
Redford, Viola Palmer, S.....Malad
Redford, Wilma Agnes, G S, Glenns Ferry
Redlingshafer, Thomas Alexander, 36 f
Juneau, Alaska
Redman, Elliott Eugene, 33 f...Pocatello
Redmond, Paul Homer, 36 ed Priest River
Reed, Grace Ferne, 34 n...Coeur d'Alene
Reed, Lloyd Robert, 34 ee.....Montpelier
Reeder, Helen Mary, 34 h.....Moscow
Reese, Blanche Elizabeth, 35 jc Meridian
Reese, Dale Myers, 36 jc.....Castleford
Reese, Robert Merrill, 37 jc.....Boise
Rehberg, Martha Jean, 35 jc.....Kamiah
Reid, Norine Cecelia, S....Bonners Ferry
Reierson, Ellen, G S G.....Troy
Remsberg, Ruth Elizabeth, G S G Rupert
Renfrew, Edgar Earl, 36 jc.....Potlatch
Renfrew, Malcolm MacKenzie, G S G s
Potlatch
Renfrew, Marguerite McMahan, 34 a
Moscow
Renfrew, William, sp law.....Moscow
Renner, Mildred Ernestine, S...Lewiston
Renner, Norma Bernice, S.....Lewiston
Requist, Charles Raymond, 35 jc Gooding
Revoir, George Edwin, 36 ag.....Grace
Reynolds, Lois Bernice, 34 h.....Emmett
Rice, Paul LaVerne, G.....Parma
Rich, George David, 36 ed.....Filer
Richards, Horace, 33 f.....Bend, Ore.
Richards, Mary LaRene, S 34 ed Moscow
Richardson, Dorothy Miranda, G S A a
Moscow
Richardson, Frederick William, 35 jc
Orofino
Richardson, Jean Almira, 34 ed...Moscow
Richardson, Mildred Blanche, 34 ed Burke
Richmond, Rachel Eileen, 36 ed
Los Angeles, Cal.
Ricker, Jean Alice, 35 ed.....Kellogg
Ricks, John William, 36 ag.....Kimberly
Ridge, Susie May, G S.....Moscow
Ridings, Donald Ellis, 35 me.....Moscow
Ridings, Margareth Bertha, 36 jc Moscow
Ridgeway, Kenneth Willard, S Kimberly
Rieger, Bernard Joseph, 34 ag St. Maries
Rietze, Florence Ethel, G S.....Moscow
Riggins, Ira Dale, 33 s.....Moscow
Riley, Alene, 35 jc.....Rupert
Riley, Mary Katherine, 36 jc
Spokane, Wn.
Riordan, Stephen Michael Jr., 35 ch Parma
Ripley, Bernice Vivian, S.....Buhl
Riutcel, Lloyd Adelbert, S 34 b
Anaheim, Cal.
Rivers, Mark Wesley 36 f
Los Angeles, Cal.
Roark, Rosanne Virginia, 35 ed
Spokane, Wn.
Robb, William, 34 ed.....Nampa
Robbins, Walter Clemet, 34 ed...Moscow
Robel, Opal, S.....Lewiston
Roberts, Harold Burr, G S A ed
Wesleyan
Roberts, Jack LeGrande, 36 jc
Spokane, Wn.
Roberts, Lester R., 33 ed.....Moscow
Roberts, Norman, 35 ed.....Parma
Robinson, Glenwood Aaron, G S A ed
Ustick
Robinson, Violet Verrelle, S 36 jc Moscow
Robinson, Walter Jesse Jr., 35 law
Pullman, Wn.
Robison, Clayne, S 34 a.....Boise
Rodell, Chester, 35 ed.....Hayden Lake
Rodemack, Ira Samuel, 33 ed.....Banks
Rodgers, Daniel Allen, 36 jc.....Challis
Roesch, Winston Leigh, 34 ed
Spokane, Wn.
Rogers, Verta Rose, S.....Lewiston
Rosbach, Frank Joseph Jr., 36 jc
Idaho Falls
Rose, Fredric D., 34 ee.....Nampa
Rosenau, Marie Marjorie, S 34 ed Genesee
Ross, Clyde Allen, 33 ee.....Moscow
Ross, David Theodore, S.....Deary
Ross, Ethelinda Sadena, S.....Deary
Ross, George Thomas, 34 ed....Culdesac
Rowe, Clifford Paul, G S.....Kimberly
Rowe, Lillian Margaretta, 34 ed Nezperce
Rowell, Ruth Lois, G S A ed...Lewiston
Ruddell, Eunice Sarah, 36 ed.....Moscow
Rudy, Paul Leonard, 36 ce.....Buhl
Ruebke, John Lee, 36 jc.....Wallace
Ruiz, Fred, G S.....Nampa
Rusho, Ernest Jay, 33 me.....Blanchard
Russell, Lois Elwood, G.....Moscow
Russell, Maurice Lloyd, 35 jc Twin Falls
Russell, Warren Wakefield, 35 law
Spokane, Wn.
Rust, Henry George, 35 ee.Coeur d'Alene
Rust, Paul James, 35 jc...Coeur d'Alene
Rydholm, Bernice Maria, 36 ed Moscow
Rydholm, Margaret Victoria, S 34 a
Moscow

S

Sachs, Dean Morris, 35 f..Altamont, Kan.
Sachse, Alfred John, 33 ce..Hayden Lake
Sackett, Irvin LaVerne, 36 ch..Twin Falls
Sackett, Melvin Ernest, 33 ed Twin Falls
Sage, Dorothy Nell, G S.....Shelley
Salvador, Bernardo Secolles, 35 ae
Jones, Isabela, P. I.
Samson, Ralph Shirley, 36 ag...Mt. Home
Sanders, Charles Eugene, 36 jc..Blackfoot
Sanders, Everett Claude, G S..Rathdrum
Sandmeyer, John Arthur,G.....Buhl
Sandy, Juanita Anna, S.....Boise
Sanger, Frederic Miller, 36 jc Twin Falls
Sartwell, Paul Pulaski, 36 jc.....Moscow
Sasany, Abul-Hassan, 35 jc Tabriz, Persia
Sather, Bernice Muriel, 36 jc.....Moscow
Sather, Harold Percifer, 35 f...Nezperce
Sather, Norman John, 34 met.....Kellogg

Saunders, Gene Douglas, 35 ed
Bonners Ferry
Sawin, Bruce Emerson, 35 f.....Moscow
Sawyer, Frank Hyrum, 34 ee.....Malad
Sawyer, Perle Dorothy, 36 ed.....Moscow
Sayles, Thomas Byers, 34 ed.....Lapwai
Scarborough, Anne Martinson, 34 a
Coeur d'Alene
Scarborough, Charles Roy, 33 ed
Coeur d'Alene
Schaller, Maurice Raymond, 34 a
La Crosse, Wis.
Schaplowsky, Andrew Benedict, G S A ed
Boise
Schlosser, Theodore Herman, 36 f
Olean, N. Y.
Schleuter, Mary Caroline, 35 ed...Genesee
Schmidt, Alma Louise, S.....Lewiston
Schmitz, Orville Lillis, 34 ed...Lewiston
Schneider, Frederick Victor, 34 min
Spokane, Wn.
Schneiter, George Rudolph, S 33 ag
Pendleton, Ore.
Schnell, Katharyn Frances, S.....Boise
Schock, Eldon Donald, G S G a...Moscow
Schofield, Frederick Peter, 35 jc
Trail, B. C., Canada
Schoonmaker, Winifred, 33 ed
Portland, Ore.
Schow, Floyd Wayne, 34 med.....Rupert
Schreiber, Julius Jay, 35 ed
Cleveland, Ohio
Schroeder, Wilbur, 36 ag.....Moscow
Schroeder, William, G ee.....Moscow
Schubert, Kenneth Levi, 36 me Fruitland
Schumacher, Charles Peter, 34 b..Moscow
Schumacher, Richard Wilbur, 35 ag
Moscow
Schumaker, Ruth Eva, 36 jc.....Troy
Schutte, William Henry, 33 ed
San Diego, Cal.
Schwarz, Arthur Roger, 34 mus. ed.
Lenore
Scoggin, Charles Oscar, 35 law
Lindsay, Cal.
Scott, Dorothy Jean, 34 ed.....Moscow
Scott, Edna Louise, S 34 a.....Moscow
Scott, Eugene Connor, 33 b...Idaho Falls
Scott, Fern Helen, G S.....Moscow
Scott, Howard Eugene, 36 ce....Meridian
Scott, Margaret Mary, S 34 a
New Plymouth
Scrafford, Herbert Sanford, 33 ed Kellogg
Seatz, Owen Hyder, 35 ag....Winchester
Sebelist, Donald Ferdinand, 37 f Sandpoint
Seburn, Mariette Edith, 36 jc.....Boise
Selby, Wilbur Rodney, 35 jc.....Eagle
Semple, Katherine, G S.....Boise
Senften, Leo Henry, 35 ag.....Castleford
Senger, Mary Elizabeth, 35 ed.....Boise
Serafin, Fred Frank, 33 b....Glide, Ore.
Sessions, Elden Bryson, G S A....Malad
Setters, Robert Meredith, 36 jc
Coeur d'Alene
Severine, Raynor Howard, 34 ee Emmett
Severn, Charles Allen, 34 b...Montpelier
Seymour, Robert Grimmer, 36 jc
Spokane, Wn.
Shamberger, William David G S...Payette
Shanks, Ira Leonard, S.....Stites
Shaw, Delbert McKean, 33 b.....Caldwell
Shawen, Grace Esther, 34 n Pomeroy, Wn.
Shawgo, Floyd Robert, 36 jc.....Moscow
Shawver, Cecil Ellis, 34 ag.....Jerome
Sheehan, Evelyn Delight, 34 a.....Boise
Sheldon, Alberta Martha, G S...Moscow
Shepherd, Margaret Iva, 36 jc...Moscow
Sherman, Theodore Allison, G a..Moscow
Shih, Hsien-Ju, S.....Mukden, China
Shipman, Horace Jennings, 33 ag
Twin Falls
Shissler, Franklyn Bassett, 33 min
Grangeville
Shook, Vernon Phray, 36 ee....Sandpoint
Shovell, Josephine Mann, S.....Lewiston
Showalter,Ted Harry, 33 me.....Nampa
Shurtliff, Wesley Orr, 34 ed....Pocatello
Siapoosh Abbas Sattar, 35 g Tabriz, Persia
Silver, Muriel Idaho, 34 ed.....Salmon
Silverberg, Savel Benhard, 35 f
Gardner, Mass.
Simon, Clara Bernice, G ed Cottonwood
Simon, William Edgar, 35 me Cottonwood
Simons, Peggie Estelle, 36 jc.....Kellogg
Simpson, Elizabeth Therese, G S Moscow
Simpson, Florence, 34 a.....Moscow
Singh, Karam, G S.....Punjab, India
Siple, Virgil Arthur, 34 ag New Plymouth
Skaar, Karsten Sigurd, 36 me Sandpoint
Skiles, Charles Stanley, sp law.....Burley
Skina, Ansbert George, 35 ee.....Wallace
Skina, Fred Arthur, 35 ee.....Wallace
Skinner, Eva Helen, S.....Moscow
Skinner, Florence Mae, G S.....Moscow
Slater, Irvin W., 33 ag P ag
New Plymouth
Smiley, Thomas James, 36 jc.....Bovill
Smiset, Oscar Vern, 36 ch.....Potlatch
Smith, Anne Henrietta, 35 ed.....Salmon
Smith, Bernice Winters, 33 mus. ed.
Moscow
Smith, Earl LeRoy, 36 ce.....Twin Falls
Smith, Fredericka Harper, 35 jc
Seattle, Wn.
Smith, Glen Edward, 34 ed.....Weiser
Smith, Harley Belcher, S 35 jc...Moscow
Smith, Laurence Martin, G.....Moscow
Smith, Mary Jensen, sp law.....Rexburg
Smith, Melvin Adolph, 36 ed.....Troy
Smith, Norman Myer, 34 g...St. Maries
Smith, Robert Wayne, G S.....Wallace
Smith, Ronald Martin, G S.....Moscow
Smith, Rosella Florence, 36 jc St. Maries
Smith, Ruby Stella, S.....Moscow
Smith, Ruth Lydia, S.....Moscow
Smith, Sally Jane, 36 jc.....Wallace
Smith, Sarah Elizabeth, S.....Filer
Smith, Stacy Thomas, 35 jc.....Pocatello
Smith, Victor Earl, 35 ed.....Filer
Smith, Wayne Burr, 34 ee.....Emmett
Smith, Wilbur Henry, 36 jc.....Lewiston
Smith, Willis Merton, 34 ed.....Pearl
Smith, Wynnie Druzilla, G S A ed Moscow
Smitham,Sylvia Theresa, G S A a
Pocatello
Sneath, Clifford Ardell, 35 ag.....Lapwai
Snow, Annie Elizabeth, S 34 mus. ed.
Rigby
Snow, Ellis Bernard, 36 jc.....Council
Snow, Nettie Marie, 33 ed.....Council
Snow, Roland Verl, 35 ag.....Burley
Snyder, Donald Clyde, 33 ch
New Plymouth
Snyder, Hoy L., 34 ed.....Orofino
Snyder, Marvin Henry, 35 ed...Orofino
Sogard, Erma Deane, 35 jc.....Culdesac
Solberg, Nora Alene, S.....Kamiah
Solum, Milo Thomas, 34 ed.....Wallace
Songstad, Violet Evelyn, S 34 h..Moscow
Sorenson, Lillian Louise, 35 mus. ed.
St. Maries
Sowder, Arthur Merrill, G.....Moscow
Sowder, Raymond William, 35 jc
Coeur d'Alene

Spaid, Stanley Sheldon, G a.....Shoshone
Sparks, Fred McKinley, G S A ed
King Hill
Spaugy, Donald Hubert, 36 ed.....Nampa
Spear, Clayton Verne, 35 jc.....Clarkia
Spedden, Lois Louise, 36 jc Chewelah, Wn.
Speirs, Neil Parker, 34 ed.....Moscow
Spence, Ethel May, 34 s.....Moscow
Spence, Harry Lowe Jr., A ag.....Boise
Spence, Liter E., G.....Moscow
Spence, Robert Leslie, 35 g.....Moscow
Spencer, Fern Evelyn, 33 h.Prescott, Wn.
Spencer, Hannah Irene, S 35 ed.Moscow
Spencer, Mathew Benard, 33 ag...Victor
Sperling, Clarence Herbert, 37 f Sandpoint
Spiker, Emmet Elmer, 33 s.....Waha
Spoor, Ora Dorothy, 33 a.....Sandpoint
Sprague, Harold Leasure, S 34 g Lewiston
Squance, William Jaynes Jr., 34 ed
Wallace
Stallings, Lucile Vivian, 35 ed....Moscow
Standahl, Josephine Marie, 33 ed
Coeur d'Alene
Stanley, Irvin Lloyd, 36 jc.....Moscow
Standeford, William Francis, G
Spokane, Wn.
Stansell, Earl Raymon, G ag...Kimberly
Stanton, Jack Myers Jr., 35 me....Eagle
Stanton, Richard Kenneth, 34 a..Moscow
Staudacher, Gerald, 36 jc...Clarks Forks
St. Clair, Eugenia, 33 a.....Idaho Falls
St. Clair, Gilbert Clency, 34 a Idaho Falls
St. Clair, Willa Adeline, 36 ed Idaho Falls
Stecker, Sophia Arvilla, S ....Ione, Wn.
Steele, Julia, S.....Coeur d'Alene
Stein, Edward Wanek, 35 a.....Boise
Steiniger, Erich Julius, 36 jc....Moscow
Steiniger, Herbert Kurt, 36 jc...Moscow
Stephens, Amos Russell, 33 b.....Nampa
Stephenson, Vivian Thomas, S
Toppenish, Wn.
Sterner, John Lionel, S 34 b.....Moscow
Stevens, Courtenay Emal, 36 f.....Boise
Stevens, Walter Frank, 34 ag...Richfield
Stewart, Eleanor Jane, 36 mus. ed.
Post Falls
Stewart, Forrest Virgil, S.....Emmett
Stewart, Frances Alene, 34 ed.....Boise
Stewart, Helen Maxine, 36 ed
Coeur d'Alene
Stewart, Melvin Flennor, 33 b G...Boise
Stewart, Thomas Basil, 35 b.....Moscow
Stewart, Zella Rowena, S.....Moscow
Stickney, Elizabeth Jane, S 35 ed
St. Maries
Stilwell, Clarence Edmund, 34 f
Granger, Wn.
Stivers, Hubert Charles, 36 jc...Moscow
Stivers, Vernon Theodore, G S...Nampa
Stoianoff, Christine Eikum, S
Coeur d'Alene
Stokke, Mary Davidson, S.....Harrison
Stone, Alice Virginia, 34 a.....Pocatello
Stone, Marjorie Helen, 33 h.....Ashton
Stone, Samuel James Jr., 34 mus. ed.
Coeur d'Alene
Stone, Vivian Lavina, 35 jc.....Moscow
Storch, Dick Henry, 34 min Omak, Wn.
Storie, Helen Gwendolyn, G S
Dayton, Wn.
Stover, Joseph Murphy Jr., G S..Weiser
Strom, Arnold Granville, 34 me.....Troy
Strong, Joseph Ernest, 35 jc...Montpelier
Stucki, Ezra S., G S A ed.....Rexburg
Studebaker, Claude Harold, 34 ce..Sagle
Suenkel, E. S., G S A ed.....Genesee
Sullivan, Grover Cleveland, S.....Carey
Sullivan, Samuel Arlo, 33 ee.....Jerome
Summerfield, Genevieve Juliet, 36 ed
Moscow
Summers, Lewis Stephen, 36 jc.....Sagle
Sundquist, June Elouise, 36 jc.....Troy
Swann, Herschell Wallace, 35 jc...Orofino
Swanson, Raymond Irwin, 34 f...Moscow
Swanson, Theodore William E., S 33 g
Moscow
Swayne, James Parke, G S.....Moscow
Swayne, Rhoda Hollingsworth, 33 a
Moscow
Swayne, Samuel Fothergill, 34 law
Moscow
Sweeney, David Mann, 33 b Idaho Falls
Sweet, Margaret Amelia, G S...Lewiston
Swendig, John Allen, 36 me...St. Maries
Swenson, Jane Booth, 36 ed Coeur d'Alene
Swofford, Hattie May, S.....Potlatch

T

Taaca, Felipe Tabali, 34 ed
Pangasinan, P. I.
Taft, Frank Andrew, 34 min.....Athol
Talbot, Gerald Orton, 33 ed.....Caldwell
Talbott, John Westall, 36 ee.....Moscow
Talbott, Loyal Elmer, 34 s.....Moscow
Talbott, Ruth Lurlene, 34 h.....Moscow
Talboy, Marjorie Ruby, 34 s.....Weiser
Talcott, Harriet May, 34 b.....Moscow
Talich, Paul Henry, G f...Bristow, Neb.
Tanner, Marthalene Ellen, 33 a Twin Falls
Tanner, Mildred Hogge, S 34 ed..Moscow
Tannler, Walter Frederick, 35 jc . Buhl
Taylor, Curtis Ray, 35 ag.....Rigby
Taylor, Everett Edmund, S.Rockford, Wn.
Taylor, Gerwin George, 36 ch.....Rigby
Taylor, Kenneth Maurice, 36 jc Plummer
Taylor, Morton Cassady, 34 a....Nampa
Taylor, Paul Frederick, 33 ed.....Buhl
Taylor, Thomas Ivan, G S G ch...Rigby
Teed, William Edward, 36 jc
Coeur d'Alene
Teeter, Raymond Davidson, 36 ae
Meridian
Tegland, Constance Janice, 36 ed
Genesee
Temby, Phyllis Mildred, 35 jc....Kellogg
Tenney, Rosamond, 35 ed...Ogden, Utah
Ternan, Napina Margaret, 34 ed...Boise
Theophilus, Donald Richard, G S G
Moscow
Theriault, Helen Catherine, S 34 h
St. Maries
Theriault, John Franklin, 36 jc St. Maries
Thomas, Benjamin Earl, 34 ed.....Boise
Thomas, David Kenneth, S.....Blackfoot
Thomas, Georgia Emma, G ed....Moscow
Thomas, John Herold, 34 b Chicago, Ill.
Thomas, Joseph Jefferson, G S Pasco, Wn.
Thomas, Margaret Jean, 33 mus. ed.
Ashton
Thomas, Ormond J., G S A ed Castleford
Thomas, William Bond, 36 min Twin Falls
Thomason, Howard Baker, 36 jc Sandpoint
Thompson, Charles Hinds, 34 ce Gooding
Thompson, Eldred Virginia, 34 h Gooding
Thompson, Elizabeth Ann, 34 ed..Moscow
Thompson, Hubert Troy, 33 ed..Tetonia
Thompson, Kenneth Theodore, 36 jc
Wallace
Thompson, Lois Marian, G S Post Falls
Thompson, Robert Mark, 36 ee.Post Falls
Thoms, Dorothea Burton, 36 jc
Spokane, Wn.
Thornhill, Evelyn Mae, 34 a.....Kellogg
Thornhill, Helen Margaret, 34 ed Kellogg

Thornhill, Maxine, G ed.....Kellogg
Thornhill, Raymond Perle, 36 jc..Kellogg
Thorsen, Martin Tollef, G ag...Nezperce
Throckmorton, Sara Louise, 35 a..Boise
Thurston, Theodore Hutchins, 35 a
Foxboro, Mass.
Tierney, John Jacob, 35 ed
Uniontown, Wn.
Tierney, Mabel Catherine, 34 ed
Uniontown, Wn.
Tierney, Richard Anthony, 36 ed
Uniontown, Wn.
Timken, Howard Woodrow, 36 g Kellogg
Tinsley, Arthur Wilbur, 36 jc...Moscow
Tipton, Kenneth McClintock, 33 ed Boise
Tochterman, Veda Mae, 34 h...Rexburg
Tomlinson, Erwin Mortimer, 33 b...Buhl
Tompson, Ross Bartlett, S 33 s.....Troy
Toone, Conrad Bennett, 36 ag.....Grace
Tornquist, Jane Miriam, S.....Lewiston
Tovey, Devere, 36 ag.....Malad
Towns, William Lionel, 34 f
Sioux City, Iowa
Townsend, Dan Jerome, 36 f...Homedale
Townsend, Flossie Nichols, S.....Sagle
Townsend, Rei Emerson, G S A ed Sagle
Tracy, Orrin Ardeen, 35 jc.....Moscow
Trail, Floyd Watson, S 33 ag...Caldwell
Trenhaile, Ellen Elizabeth, S.....Rupert
Trenhaile, Stanley Irving, 36 ag...Rupert
Trevey, James Bailey, 36 ag...Fruitland
Trimble, Mary Elizabeth, 34 h Aberdeen
Trueman, John Wiman, 33 b...St. Maries
Tucker, Leonard John, 33 ee...Rathdrum
Tulley, Maurice Wesley, 36 ee.....Worley
Tumelson, Floyd Orville, 35 f.....Peck
Turinsky, Otto Jr., G s.....Moscow
Turner, Edmond L., 35 ag.....Twin Falls
Turner, Thomas Samuel, 33 ed.Caldwell
Tuson, William L., 35 jc.....Kellogg
Tuttle, Lucinda Verna, G S.....Moscow
Tuttle, Mary Ann, 35 jc.....Moscow
Tyrrell, Hubert Leander, 34 ed...Moscow

U

Udy, Ray, 35 ag.....Malta
Underdahl, Pearl Regna, S.....Moscow
Unkie, Frederic Mathew, 36 ag
Clarkston, Wn.
Upchurch, Ashbrook, 35 jc Tulalip, Wn.
Utt, Eldred Earl, 33 ed.....Kellogg
Utt, Ralph Bernard, 33 met.....Kellogg

V

Vance, Robert Willard, 34 ch.....Boise
Vanderhoff, Virginia Ruth, G S G a
Moscow
Van Orman, Pearl, S.....Montpelier
Van Sicklin, Roy, 34 med.....Weiser
Van Uden, Robert Thomas, 33 b Wallace
Varian, Nina Louise, 35 jc.....Boise
Verberkmoes, John Gates, 34 med
Kooskia
Vetter, Milton Elmer, G s..Spokane, Wn.
Vincent, Ddwain Wilber, 36 jc.....Boise
Vincent, Elizabeth Alice, 34 s.....Moscow
Virgin, Walter James, 35 ag....Aberdeen
Virtanen, Miriam Irene, 35 ed.....Mullan
Vogel, Harold Aaron, G
Howard Lake, Minn.
Voightlander, Theodore William, 35 jc
Kellogg
von Bargen, John Herman, 34 f
Grangeville
von Ende, Carl Ankeney, 33 ch...Moscow
Vosika, Frank Victor, 36 jc.....Kimberly
Vosika, John Norman, 36 jc.....Kimberly

W

Wade, Ralph Mason, 35 jc.....Lewiston
Wadsworth, Charles Evan, 36 jc Pocatello
Waggoner, Edward Fleming, 34 ag
Post Falls
Wagner, Herman Edward, 35 jc Lewiston
Wahl, Edward Ronald, 33 a.....Moscow
Waisner, Glenn Charles, 36 f
Sheridan, Wyo.
Wakem, Dale Judson, G S A ed Twin Falls
Walden, Bobbie Dean, G ed Eugene, Ore.
Walker, Anne Margaret, 35 ed.....Grace
Walker, Charles Linnaeus, 33 b.....Boise
Walker, James Robert, 35 ag.....Moscow
Walker, Roland Cecil, 34 b.....Santa
Walker, Samuel Branch, 35 ch.....Boise
Wallace, Harriett Leslie, 34 b.....Boise
Wallace, Robert Earl, 35 jc...Spirit Lake
Wallis, Harry Randall, 35 law...Blackfoot
Walsh, John Edward, G S A ed...Nampa
Walsh, Stephen Kelly, G S A ed
Casper, Wyo.
Walter, Jenny Wren, S.....Filer
Walters, Ione, 33 ed.....Caldwell
Walton, Lucille Slater, 33 ed.....Moscow
Wamsley, Russell Carol, 34 ag....Lapwai
Ward, Delbert Jones, 34 ee...Idaho Falls
Ward, Dorothy Lee, 34 ed.....Lewiston
Ward, Paul Coburn, 34 ch.....Lewiston
Ward, Theron William, 36 jc.....Jerome
Warner, Carl Wayne, 34 ed.....Lindsay
Warner, Charles Knight, 35 ed.....Boise
Warner, James Martin, 33 b.....Boise
Warner, Victor Eugene Jr., S 35 jc Boise
Warren, Theodore Roosevelt, G..Moscow
Waters, Marian Frances, 35 jc..Woodland
Watkins, Evelyn Browne, 36 jc..Caldwell
Watkins, John Goodrich, 33 ed...Caldwell
Weber, Caro Lou, 36 jc.....Lakeview
Weber, Max Ray, 36 jc.....Spokane, Wn.
Webster, James Weldon, 34 ag...Rexburg
Weigand, Emma Keturah, S Newport, Wn.
Weipert, Roy Harvey, 33 a Reardan, Wn.
Wellhousen, Harry William, 34 ag
Twin Falls
Wellner, Charles August, 33 f Twin Falls
Wells, Carl Douglas, G.....Moscow
Wells, Charles Henry, 36 f
Watertown, Conn.
Wells, Victor Sylvester, 36 me ..Gooding
Wells, Wade Glen, 34 ag.....Gooding
Welsh, Ruth Coleman, S.....Priest River
Welsh, Thomas David, G S A ed
Priest River
Werner, Frederick Victor, 36 ed..Moscow
Werner, Violet Myrtle, G S.....Moscow
Wernette, Frances Catherine, 34 law
Coeur d'Alene
Werry, Norma Higgs, G S.....Bellevue
West, Edward Hamilton, G a.....Moscow
Westberg, John Orville, 34 f Chicago, Ill.
Westerberg, Carl Mason, 33 met...Rigby
Westerlund, Helmer, 35 ee Coeur d'Alene
Weston, Raymond Arnold, 36 ee
Spokane, Wn.
Wetherell, Robert Miles, 36 jc Mt. Home
Weyerman, George Ferdinand, 35 f
St. Maries
Wheeler, Frances Carolyn, 34 b.....Boise
Whelchel, Harold Carver, S 33 mus. ed.
Emmett
Whipple, Galt L., 34 b.....Idaho Falls
White, Elizabeth McLaren, 34 med
Lewiston

White, Fred Beardsley, ed 33 G ed Bonners Ferry
White, Joseph Clarence, 36 jc Coeur d'Alene
White, Minnie Pearl, S.....Mt. Home
White, Robert Howard, 36 jc Bonners Ferry
Whitelaw, Howard Melvin, 36 f Nespelem, Wn.
Whitlock, Lloyd Elmer, 34 b Newberg, Ore.
Whitman, Eugene Winfield, G...Moscow
Whitman, Marlys Shirk, G a.....Moscow
Whitney, Gerald Metier, 33 ag Norwood
Wicks, Alensen Heath, 33 ed...Pocatello
Wicks, Guy P., G S A ed.....Pocatello
Wicks, Lela Grace Jain, S.....Pocatello
Wiks, David Louis, G ed...Coeur d'Alene
Wilburn, Bertha Mae, 35 ed.....Jerome
Wilcox, Benjamin Gene, 34 s.....Declo
Wilcox, Helen Cecelia, S....Ogden, Utah
Wilde, Marvin Booth, G ed.....Moscow
Wilkins, Maitland Lee, 36 jc Seattle, Wn.
Williams, Alden Earl, 33 ed.....Burley
Williams, Donald Wallace, 33 b Omaha, Neb.
Williams, Dorothy Gerardine, 34 a Spokane, Wn.
Williams, Elton Vernon, 35 ee...Moscow
Williams, Jack Lloyd, 34 ed.....Malad
Williams, James Kenneth, G.....Moscow
Williams, Joyce Vivien, 36 ed Twin Falls
Williams, Lewis M., G S.....Rexburg
Williams, Melborn Max, 35 jc Grangeville
Williams, Milton Morse, 33 ag.....Boise
Williamson, Madeleine Louise, 34 h Jerome
Williamson, Mary Ellen Durage, 36 ed Moscow
Williamson, Robert Marvin, 36 jc Moscow
Willis, John William, 35 ed Spokane, Wn.
Willmorth, Harold Fulton, G S A ed Shoshone
Wilson, Arthur Verne, 34 m.....Plummer
Wilson, Catherine Jean, 34 ed....Moscow
Wilson, Edna Myrrl, 33 ed.....Hammett
Wilson, Elmer Earl, G S.....St. Anthony
Wilson, George Green, 34 ed.....Moscow
Wilson ,Gladys May, 33 a.....Pocatello
Wilson, Harry Alfred, 34 ed Coeur d'Alene
Wilson, Herman Washburn, 36 ag Moscow
Wilson, Lowell Oglive, 35 ed...Heyburn
Wilson, Marjorie Eleanor, 36 jc Plummer
Wilson, Mildred Williams, S St. Anthony
Wilson, Ronald Brazee, 33 ed.....Burley
Wilson, Vivian Mildred, 35 jc....Moscow
Wimer, Frances, 35 mus. ed.....Wallace
Wimer, Winifred, 36 ed.....Wallace
Winkler, Helen Mary, 36 jc Spokane, Wn.
Winn, Inez Lanelle, G S .....Buhl
Winn, Nita, S 33 h.....Buhl
Wirt, Lillian Janette, sp h Los Angeles, Cal.
Wiseman, Charles Leonard, G S..Burley
Wiseman, Howard Leonard, 34 s Twin Falls
Wiswall, Helen Cochran, 34 h.....Jerome
Wiswall, John Wisdom, S 34 ag...Jerome
Witteman, Walter Everett, G S Joseph, Ore.
Witwer, Sheldon Russell, 35 jc Bonners Ferry
Wolfe, Don Murray, S 33 s..Palouse, Wn.
Wolfe, Helen Lucile, S 35 jc Spokane, Wn.
Wolff, Harold John, 36 ce Dubuque, Iowa
Wood, Arch Bertram, 34 a.....Boise
Wood, Joseph Gibson, 33 med.....Filer
Wood, Lyle Russell, 35 jc.....Weiser
Wood, Ronald Ellsworth, G.....Payette
Wood, Sara Russell, 36 jc.... ..Moscow
Wood, William Travers, 34 med Coeur d'Alene
Woods, Joseph Ross, G S A ed Coeur d'Alene
Woodward, Bonne Bartlett, 35 mus. ed. Moscow
Woodward, George Kermit, 35 jc Moscow
Woodward, Ira Richard, 35 jc...Payette
Woodworth, Horace Jerome, 34 ed Ferdinand
Woodworth, Lillian Gritman, G S Moscow
Wormell, Marian Agnes, G S A a Lewiston
Worth, Lawrence Wilbur, 34 min Melrose, Mass.
Worthington, Joseph Henry, 36 ed Coeur d'Alene
Wright, Hyrtha Irene, 36 ed.....Worley
Wright, Loren Hugh, 34 f.....Moscow
Wright, Mildred Christine, 33 ed...Buhl
Wright, Phyllis Mabelle, 34 a Eugene, Ore.
Wunderlich, Jack Arthur, 34 b St. Maries
Wurster, Marjorie Bell, 35 ed Rogerson

Y

Yager, William Edgar, S....Dayton, Ohio
Yaggy, Elinor May, G S.....Rupert
Yost, Ada Frances, S 34 ed.....Kellogg
Yost, Rita Mary, S 34 ed.....Kellogg
Young, Arthur Edward, 33 b....Pocatello
Young, Burton Henry, 34 ee...Rathdrum
Young, June Rebertta, S .....Sandpoint
Youngstrom, Carol Oscar, G.....Moscow

Z

Ziegler, Virginia Ann, 36 ed.....Moscow
Zeuch, Clarence Frederick, G met Cleveland, Ohio
Ziminski, Henry Victor, 35 f Gardner, Mass.
Zimmerman, Katherine, 36 jc.....Moscow

SPECIAL STUDENTS—NON-COLLEGE CREDIT

Symbols in the following list are to be interpreted thus:
S Summer School
m Music
d Commercial Dairying
mm Motor Mechanics

Albert, Philip Lloyd, m.....Moscow
Armour, Jean, m.....Moscow
Armour, Sue Compton, m.....Moscow
Baker, Marguerite H., m S.....Caldwell
Balcom, Follette Norman, d
South Bend, Wn.
Banfoly, Steven Carl, d
Three Rivers, Mich.
Birmingham, Lena E., S.....Silver City
Bloor, Byron, m S m.....Moscow
Bolles, Marguerite Lee, m S m...Moscow
Boyum, Nora A., S.....Pocatello
Compton, Bertha L., m S.....Moscow
Cummings, Jean L., m.....Moscow
Doane, Emery David Jr., m S Grangeville
Drury, Miriam Leyrer, m S m....Moscow
Eames, John Wesley, S.....Roberts
Ellerson, John Elsmer, d.....Boise
Elliot, Mrs. T. A., m.....Genesee
Essy, Robert Marion, mm.....Council
Fry, Mildred, S.....Cascade
Fulton, Marybelle, m S.....Moscow
Gehrke, Gertrude Grace, m.....Moscow
Hager, Dan, m.....Moscow
Harrington, Glen, d.....Sandpoint
Harris, John Marion, m S.....Payette
Hoffman, Maurice Rodric, mm Greencreek
Houx, Marvel, m.....Orofino
Howes, Musa K., S.....Wallace
Johnson, Jerry, m.....Moscow
Long, John Joseph, mm.....Priest River
Moore, Frances C., m S.....Moscow
Naylor, John C., mm.....Moscow
Neale, Julia, m S.....Moscow
Nichols, Norris Drew, d Stevensville, Mont.
Olson, Theodore Edwin, d....Seneca, Wis.
Reavis, Bertha B., S.....Caldwell
Reese. Viola C., S.....Malad
Ricard, Victor, d.....Uniontown, Wn.
Samm, Carol Jean, m.....Moscow
Sheldon, Alberta M., m S.....Moscow
Skipton, Elton E., d.....Salida, Colo.
Smith, Judson, m.....Moscow
Smith, Richard, m.....Garfield, Wn.
Sorensen, Erma, S.....Emmett
Tracy, Donald Fred, m.....Moscow
Tracy, S. C., S.....Payette
Wasem, Lloyd Sherman, mm.....Fenn
Wheeler, Leora, m.....Potlatch
White, Frank D., mm.....Lewiston
Williamson, Loyal Sherwood, d...Moscow
Wilson, Jessie, m.....Moscow
Wilson, Molly Jean, m S.....St. Anthony

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

SUMMARY

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Idaho	1588	205	26	488	63
States other than Idaho	228	37	7	41	6
Territories and Foreign Countries	21	...	..	7	..
Total	1837	242	33	536	69

COUNTIES IN IDAHO

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Ada	131	16	1	36	10
Adams	8	..	..	2	..
Bannock	31	14	..	9	3
Bear Lake	8	1	..	2	..
Benewah	30	1	..	9	2
Bingham	26	3	..	13	1
Blaine	7	4	..	6	1
Boise	7	..	..	..	..
Bonner	40	3	2	12	1
Bonneville	23	2	..	2	..
Boundary	13	2	..	6	..
Butte	6	..	..	..	..
Camas	2	2	..	1	..
Canyon	48	6	..	15	3
Caribou	2	..	..	1	1
Cassia	20	5	..	12	2
Clark	3	..	..	..	..
Clearwater	14	3	1	9	2
Custer	6	1	..	2	..
Elmore	15	3	..	7	3
Franklin	9	5	..	2	1
Fremont	14	3	..	5	..
Gem	21	3	..	7	1
Gooding	15	9	..	3	1
Idaho	35	3	2	9	2
Jefferson	14	3	..	5	..
Jerome	14	3	..	4	..
Kootenai	119	14	..	21	3
Latah	489	24	18	184	9
Lemhi	8	3	..	..	..
Lewis	21	1	..	3	..
Lincoln	5	3	..	3	1
Madison	15	3	..	4	2
Minidoka	24	3	..	9	..
Nezperce	67	9	1	33	4
Oneida	11	2	..	7	2
Owyhee	4	1	..	1	..
Payette	28	4	1	8	..
Power	..	2	..	..	..
Shoshone	113	13	..	10	3
Teton	3	1	..	2	..
Twin Falls	92	16	..	19	5
Valley	7	2	..	1	..
Washington	20	9	..	4	..
Total	1588	205	26	488	63

STATES OTHER THAN IDAHO

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Arkansas	1	..	..	..	..
California	31	3	..	1	..
Colorado	2	..	1	..	..
Connecticut	4	..	..	1	..
Delaware	1	1	..	..	..
Illinois	3	..	..	..	..
Indiana	1	..	..	..	..
Iowa	8	..	..	1	..
Kansas	1	..	..	..	..
Massachusetts	7	..	..	..	..
Michigan	..	..	1	..	..
Minnesota	5	1	..	..	..
Missouri	3	..	..	1	..
Montana	9	4	1	1	1
Nebraska	3	..	..	1	..
Nevada	..	..	..	2	..
New Jersey	2	..	..	..	..
New Mexico	1	..	..	..	..
New York	10	1	..	1	..
North Dakota	1	..	..	..	..
Ohio	5	..	..	..	..
Oregon	13	3	..	4	..
Pennsylvania	2	..	..	..	..
South Dakota	..	..	..	1	..
Tennessee	2	..	..	..	..
Utah	1	1	..	1	1
Washington	107	23	3	25	3
Wisconsin	3	..	1	..	..
Wyoming	2	..	..	1	1
Total	228	37	7	41	6

TERRITORIES AND FOREIGN COUNTRIES

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Alaska	1	..	..	1	..
Canada	8	..	..	..	..
China	..	..	..	1	..
India	1	..	..	2	..
Korea	1	..	..	..	..
Persia	5	..	..	1	..
Philippine Islands	5	..	..	2	..
Total	21	..	..	7	..

CONSOLIDATED ENROLLMENT TABLE, YEAR 1932-33 TO MARCH 18, 1933

COLLEGE COURSE, OR CURRICULUM	Graduates			Seniors			Juniors			Sophomores			Freshmen			Unclassed			Total by Curricula			Total by Colleges		
COLLEGE	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
College of Letters and Science	42	22	64	28	56	84	48	71	119	6	4	10	..	1	1	1	3	4				125	157	282
Arts	15	16	31	14	31	45	22	31	53	3	3	6	..	1	1	1	1	2	55	83	138			
Science	27	5	32	9	3	12	16	5	21	..	..	..	..	..	..	..	1	1	52	14	66			
Pre-Medical Studies	..	..	..	5	..	5	9	2	11	3	1	4	..	..	..	..	..	..	17	3	20			
Home Economics	..	1	1	..	20	20	..	30	30	..	..	..	..	..	..	..	1	1	..	52	52			
Music (B.M.)	..	..	..	..	1	1	1	..	1	..	..	..	..	..	..	..	..	..	1	1	2			
Pre-Nursing Studies	..	..	..	..	1	1	..	3	3	..	..	..	..	..	..	..	..	..	..	4	4			
College of Agriculture	20	..	20	32	..	32	29	..	29	36	..	36	50	1	51	1	..	1				168	1	169
College of Engineering	4	..	4	39	..	39	46	..	46	54	..	54	67	..	67	3	..	3				213	..	213
Civil Engineering	2	..	2	10	..	10	10	..	10	9	..	9	15	..	15	2	..	2	48	..	48			
Electrical Engineering	1	..	1	13	..	13	21	..	21	16	..	16	27	..	27	..	..	..	78	..	78			
Mechancal Engineering	..	..	..	8	..	8	8	..	8	19	..	19	17	..	17	1	..	1	53	..	53			
Chemical Engineering	1	..	1	8	..	8	7	..	7	10	..	10	8	..	8	..	..	..	34	..	34			
Colleges of Agr. and Engr.	2	..	2	1	..	1	..	..	..	1	..	1	2	..	2	..	..	..				6	..	6
Agricultural Engineering	2	..	2	1	..	1	..	..	..	1	..	1	2	..	2	..	..	..	6	..	6			
College of Law	1	..	1	7	..	7	13	1	14	14	..	14	..	..	..	5	1	6				40	2	42
School of Mines	5	..	5	14	..	14	20	..	20	19	..	19	12	..	12	..	..	..				70	..	70
Mining Engineering	..	..	..	4	..	4	9	..	9	6	..	6	7	..	7	..	..	..	26	..	26			
Geology	2	..	2	6	..	6	7	..	7	11	..	11	5	..	5	..	..	..	31	..	31			
Metallurgy	3	..	3	4	..	4	4	..	4	2	..	2	..	..	..	..	..	..	13	..	13			
School of Forestry	6	..	6	16	..	16	23	..	23	30	..	30	35	..	35	..	..	..				110	..	110
School of Education	28	17	45	47	41	88	56	52	108	34	58	92	38	51	89	..	..	..				203	219	422
Education	28	16	44	46	38	84	53	49	102	34	51	85	36	48	84	..	..	..	197	202	399			
Music Education	..	1	1	1	3	4	3	3	6	..	7	7	2	3	5	..	..	..	6	17	23			
School of Business Administration	2	2	4	28	8	36	40	11	51	6	..	6	..	..	..	..	..	..				76	21	97
Junior College	..	..	..	..	..	..	..	..	..	103	77	180	141	106	247	1	1	2				245	184	429
Arts	..	..	..	..	..	..	..	..	..	16	26	42	38	42	80	..	..	..	54	68	122			
Science	..	..	..	..	..	..	..	..	..	11	6	17	16	4	20	..	..	..	27	10	37			
Pre-Medical Studies	..	..	..	..	..	..	..	..	..	13	1	14	18	2	20	..	..	..	31	3	34			
Home Economics	..	..	..	..	..	..	..	..	..	..	26	26	..	24	24	..	..	..	..	50	50			
Music (B.M.)	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	2	2			
Pre-Nursing Studies	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	2	2			
Pre-Law	..	..	..	..	..	..	..	..	..	16	2	18	22	..	22	..	..	..	38	2	40			
Business	..	..	..	..	..	..	..	..	..	47	16	63	43	30	73	1	..	1	91	46	137			
Curric. not designated	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..	1	1	4	1	5			
Total in Regular Curricula	110	41	151	212	105	317	275	135	410	303	139	442	345	159	504	11	5	16				1256	584	1840*
Special Courses																						23	10	33
Music																			8	10	18			
Motor Mechanics																			6	..	6			
Commercial Dairying																			9	..	9			
Non-Resident (College Credit)																						137	105	242
Summer School	127	90	217	men 92; women, 206; total 298						Special Courses						4	17	21				223	313	536
Students in Absentia	54	14	68	..			1			1						..	..	..				54	15	69
Grand Total																						1693	1027	2720*
Deduct for names entered more than once																						170	135	305
Net Total																						1523	892	2415

*Deduct three men for midyear graduates taking graduate work.

CONSOLIDATED ENROLLMENT TABLE, UNIVERSITY OF IDAHO, SOUTHERN BRANCH—1932-33

DIVISIONS, COURSES, or CURRICULA	4th Year			3rd Year			Sophomore			Freshman			Unclassed			Total by Curricula			Total by Division		
March 4, 1933	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
DIVISION OF LETTERS AND SCIENCE																			316	314	630
Junior College				7	16	23	62	57	119	124	99	223	13	19	32	206	191	397			
Music							2	2	4	2	1	3	1	..	1	5	3	8			
Agriculture							5	..	5	13	..	13	..	..	..	18	..	18			
Forestry							13	..	13	13	..	13	..	..	..	26	..	26			
Education				2	4	6	24	39	63	32	71	103	2	6	8	60	120	180			
Vocational																					
Accounting																					
Merchandising										1	..	1	..	..	..	1	..	1			
Secretarial																					
DIVISION OF ENGINEERING																			121	..	121
Civil Engineering				1	..	1	6	..	6	13	..	13	..	..	..	20	..	20			
Electrical Engineering				4	..	4	19	..	19	27	..	27	2	..	2	52	..	52			
Mechanical Engineering							7	..	7	13	..	13	..	..	..	20	..	20			
Chemical Engineering							9	..	9	10	..	10	..	..	..	19	..	19			
Mining Engineering				1	..	1	4	..	4	3	..	3	..	..	..	8	..	8			
Agricultural Engineering							..	..	..	2	..	2	..	..	..	2	..	2			
DIVISION OF PHARMACY	14	..	14	14	4	18	18	1	19	27	7	34	3	2	5	76	14	90	76	14	90
TOTAL IN REGULAR CURRICULA	14	..	14	29	24	53	169	99	268	280	178	458	21	27	48				513	328	841
SPECIAL COURSES																			65	28	93
Auto Mechanics													23	..	23	23	..	23			
Special Music and Art													42	28	70	42	28	70			
GRAND TOTAL																			578	356	934

Index

	Page
Absences	36
From Final Examinations	35
Absentia Courses	33, 89
Accounting, Curriculum	83
Administration, Assistants in	214
Administrative Officers	205
Admission Requirements and Regulations	21
Advanced Standing	27
Advertising, Courses	124, 128, 197
Agricultural Chemistry, Courses	113
Agricultural Economics, Courses	140
Agricultural Education, Courses	114
Curriculum	81
Agricultural Engineering, Courses	114
Curriculum	63
Agricultural Experiment Station	99
Agricultural Extension	104
Field Staff	216
County Agents	216
Club Agents	217
Home Demonstration Agents	217
Officers	215
Agriculture, College of	52
Curriculum	55
Majors	56
Agronomy, Courses	116
Alumni Officers	223
American History, Courses	118
Curriculum	43
Animal Husbandry, Courses	120
Arboretum	74
Architecture, Courses	122
Curriculum	43
Art, Courses	123
Curriculum	43
Athletics——See *Physical Education*	
Attendance	37
Auditors	32
Bacteriology, Courses	124
Curriculum	44
Band Instruments, Courses	185
Band, Military	181, 185
Band, Pep	18
Blister Rust Control Staff	218
Board and Room	10
Board of Regents	204
Borah Foundation	8
Botany, Courses	125
Curriculum	44
Buildings	8
Bureau of Mines and Geology	104
Research Staff	218
Business Administration, School of	82
Courses	127
Curricula	83
Cadet Band	181
Calendar, University	3
Cello—See *Violoncello*	
Chemical Engineering, Courses	131
Curriculum	61
Chemistry, Courses	129
Curriculum	44
Church Homes	19
Churches	19
Civil Engineering, Courses	135
Curriculum	60
Classical Languages, Courses	132
Classics in English, Courses	137
Club Agents Staff	217

	Page
Colleges and Schools	39
Agriculture	32
Business	82
Education	79
Engineering	59
Forestry	74
Graduate	86
Law	64
Letters and Science	41
Mines	69
Southern Branch	95
University Junior	90
Commerce, Curriculum	84
Major	83
Commercial Dairying	57
Commercial Education, Curriculum	80
Commissions and Certificates	227
Committees of the Faculty	218
Correspondence Courses	33, 105
County Agents Staff	216
Courses—See *Graduation Requirements* and *Departments of Instruction*	
Credits	33, 108
Curricula	39
Special	92
Dairy Husbandry, Courses	138
Debate	151
Degrees	29
Advanced	30, 226
Professional	31, 87
Conferred June, 1932	223
Departments of Instruction	111
Dramatics, Courses	151
Curriculum	45
Economics, Courses	139
Curriculum	45
Education, School of	79
Courses in	141
Curricula	80
Electrical Engineering, Courses	144
Curriculum	61
Employment	10
Engineering, College of	59
Curricula	60
Experiment Station	103
English, Courses	146
Classics	137
Curriculum	45
Enrollment Statistics	250
Entomology, Courses	153
Equipment:	
Agricultural Chemistry	52
Agricultural Economics	52
Agricultural Engineering	52, 59
Agricultural Experiment Station	102
Agronomy	52
Animal Husbandry	53
Bacteriology	53
Chemical Engineering	59
Civil Engineering	59
Dairy Husbandry	53
Electrical Engineering	59
Entomology	53
Forestry	75
Geology	70
Horticulture	53
Law	66
Mechanical Engineering	59
Metallurgy	70
Mining	70

	Page
Plant Pathology	53
Poultry	53
European History, Courses	154
Curriculum	46
Examinations	26
Advanced Degrees	88
Comprehensive	43, 147
Entrance	26
Music	186
Special	35
Expenses	9
Experiment Stations	99
Agricultural	101
Engineering	103
Mining	104
Extension, University	99
Agriculture and Home Economics	104
Officers and Staff	215
Extractive Industries, Curriculum	84
Faculty	206
Committees	218
Failures	34
Fees	11, 106
Fellowships	70, 86
Forestry, School of	74
Courses	156
Curricula	76
Fraternal Organizations	18
French, Courses	177
Curriculum	46
Geology, Courses	159
Curricula	46, 72
General Information	5
German, Courses	178
Curriculum	47
Grades	34
For Master's Degree	89
Graduate School	86
Graduation Requirements	35
College of Agriculture	54
College of Engineering	60
College of Law	67
College of Letters and Science	42
Graduate School	89
School of Business Administration	83
School of Education	79
School of Forestry	75
School of Mines	71
Southern Branch	95
University Junior College	91
Greek, Courses	137
Curriculum	47
History—See *American History and European History*	
History and Growth of University	7
Home Economics, Courses	163
Curricula	47, 81, 92
Extension Staff	217
Honors	15
Honor List	228
Horticulture, Courses	166
Incomplete	34
Index	253
Instructors and Assistants	211
Italian, Courses	180
Journalism, Courses	152
Curriculum	48
Junior College	90
Laboratories—See *Equipment*	
Latin, Courses	135
Curriculum	48
Law, College of	64
Courses	168
Curriculum	48, 68
Letters and Science, College of	41
Library	8
Assistants	214
Law	67
Mines	70
Loan Funds	15
Logging Engineering, Curriculum	76
Majors	33
Agriculture	56
Business	82
Education	80
Forestry	75
Graduate	88
Letters and Science	41
Mining	71
Mathematics, Courses	169
Curriculum	49
Mechanical Engineering, Courses	171
Curriculum	62
Men's Residences	11
Metallurgy, Courses	173
Curricula	73
Military Science and Tactics, Courses	174
Mineralogy—See *Geology*	
Mines, Bureau of	104
School of	69
Mining, Courses	176
Curricula	71
Modern Languages, Courses	177
Motor Mechanics	57
Music, Courses	181
Curricula	49, 81, 92
Public School	81
Non-Resident Instruction	105
Courses	107
Credits	33, 88, 105
Registration	33
Regulations	106
Norse, Courses	180
Nursing—See *Pre-Nursing*	
Officers, Administrative	203
Of Instruction	206
Of University Extension	215
Orchestra, Courses	185
Pharmacy, Curricula	96
Philosophy, Courses	187
Curriculum	49
Physical Ed. for Men, Courses	188
Curriculum	80
Physical Ed. for Women, Courses	190
Curriculum	80
Physics, Courses	193
Curriculum	50
Piano, Courses	184
Placement Bureau	79
Plant Pathology, Courses	194
Political Science, Courses	195
Curriculum	50
Poultry Husbandry, Courses	196
Practice Teaching	79
Pre-Business Curriculum	91
Pre-Medical Curricula	50, 93
Pre-Nursing Curricula	50, 94
Probation	34
Professors, List of	206
Psychology, Courses	196
Curriculum	51
Publications	9
Public School Music, Curriculum	81
Public Speaking, Courses	151
Curriculum	45
Rating and Eligibility	36
Range Management, Curriculum	76
Refunds	12
Regents, Board of	205
Registration	31

	Page
Regulations	31
Religious Education	19, 198
Religious Organizations	19
Reserve Officers' Training Corps	174
Rifle Teams	174
Rooms	10
Scholarships and Prizes	13
Schools and Colleges	39
Secretarial Curricula	85, 94
Short Courses	57
Social Science, Courses	199
Sociology, Courses	199
Sororities	19
Southern Branch	95
Credits	28
Spanish Courses	180
Curriculum	51
Special Students	27
State Board of Education	205
State Bureau of Mines and Geology	104
Research Staff	218
Statistics	250
Student Organizations	17
Students, Lists of	231
Geographical Distribution	250
Sub-Station Superintendents	217
Summer School	99, 108
Teachers' Certificates	79
Tractor Short Course	58
Tuition	9
Music	186
Veterinary Science—See *Animal Husbandry*	
Violin, Courses	184
Violoncello, Courses	185
Voice, Courses	184
Withdrawal	34
Women's Residences	10
Zoology, Courses	199
Curriculum	51