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UNIVERSITY OF IDAHO

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Volume XXXI Number 1

APRIL, 1936

For the 1935-36 Sessions, with
Announcements for 1936-37

Published by the University of Idaho, Moscow, Idaho

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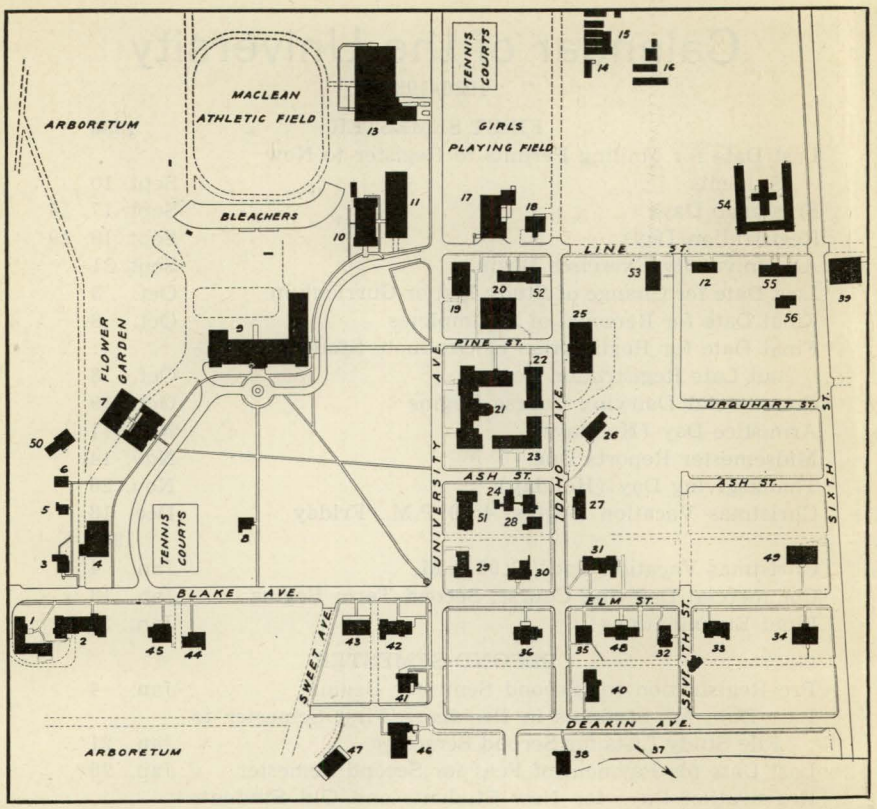
Divisions of the University

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

1936-1937

FIRST SEMESTER	1936
Last Date for Mailing Permits to Register to New Students	Sept. 10
Freshman Days	Sept. 17, 18
Registration Days	Sept. 18, 19
All University Exercises Begin	Sept. 21
Last Date for Change of Study List or Curriculum	Oct. 3
Final Date for Removal of Incompletes	Oct. 8
Final Date for Registration of Graduate Students Without Late Registration Fee	Oct. 8
Commercial Dairying Course Begins	Oct. 19
Armistice Day (Holiday)	Nov. 11
Midsemester Reports Due	Nov. 14
Thanksgiving Day (Holiday)	Nov. 26
Christmas Vacation Begins, 4:00 P.M., Friday	Dec. 18
	1937
Christmas Vacation Ends, 8:00 A.M.	Jan. 4
Commercial Dairying Course, Second Term Begins	Jan. 18
Final Examinations	Jan. 23-30
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. 21
Last Date for Payment of Fees for Second Semester	Jan. 28
Registration Days for New Students and Old Students returning	Jan. 29-30
All University Exercises Begin	Feb. 1
Last Date for Change of Study List or Curriculum	Feb. 13
Last Date for Filing Applications for Baccalaureate Degrees in June, 1937	Feb. 15
Final Date for Removal of Incompletes	Feb. 20
Final Date for Registration of Graduate Students Without Late Registration Fee	Feb. 20
Washington's Birthday (Holiday)	Feb. 22
Last Date for Filing Applications for Advanced Degrees in June, 1937	Mar. 15
Commercial Dairying Course, Second Term, Ends	Mar. 19
Midsemester Reports Due (Thursday)	Apr. 1
Spring Vacation	Apr. 4-11
Memorial Day (Holiday)	May 30
Final Examinations	June 5-12
Commencement	June 14
SUMMER SCHOOL	
Summer School Begins	June 15
Summer School Ends	July 23



The University Campus

1. Hays Hall
2. Forney Hall
3. Center Cottage
4. Ridenbaugh Hall
5. Bartley Cottage
6. Music Hall Annex
7. Engineering Buildings
8. Music Hall
9. Administration Building.
10. Women's Gymnasium
11. Lewis Court
12. Wood Conversion Laboratory
13. Memorial Gymnasium
14. Horticulture Sheds
15. Greenhouses
16. Seed Houses
17. Mechanical Engineering and General Maintenance Shops
18. Dairy Building
19. University Hut
20. Metallurgy Building
21. Science Building
22. Geology Building
23. Lindley Hall
24. Infirmaries
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. Lambda Chi Alpha
34. Alpha Phi
35. Delta Gamma
36. Phi Delta Theta
37. Tau Kappa Epsilon
38. Pi Beta Phi
39. Heating Plant
40. Alpha Tau Omega
41. Kappa Alpha Theta
42. Delta Chi
43. Kappa Sigma
44. Chi Alpha Pi
45. Gamma Phi Beta
46. L.D.S. Institute
47. Sigma Alpha Epsilon
48. Sigma Nu
49. Delta Delta Delta
50. Engineering Drawing Laboratory
51. New Infirmary Site
52. University Classroom Building
53. Entomology Building
54. Idaho Club
55. Forestry Laboratory
56. Craig Cottage

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 16,894 students. Nearly 5,000 bachelor's and master's degrees have been granted. In addition to instructing the youth of Idaho, the University extends valuable technical and professional services to practically every industry and community of the State and reaches thousands through Agricultural Extension, Non-Resident instruction, and the Summer Sessions.

The University of Idaho is on the fully credited 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 latest enrollment figures and a complete directory of faculty see Parts VI and VII of this catalog. 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

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

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; agricultural 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 is valued at approximately $2,200,000, and that of the Southern Branch at approximately $900,000. The University campus and college farm embrace about 845 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 available approximately 10,000 acres of experimental forest land located from 6 to 18 miles from the University campus. The School of Forestry has received from the Forest Development Company of Lewiston gifts totaling 6,426 acres of forest land. The total holdings of the University in the Moscow Mountain Experimental Forest now amount to 6,504 acres.

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 the administrative offices, the College of Letters and Science, College of Law, the School of Business Administration, School of 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 (See the campus map at the front of the catalog).

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 material 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 housed in temporary quarters in the south wing of the Administration Building The space is entirely inadequate, and it is hoped that a library building may soon be provided.

The library is primarily for the use of faculty and students, but all citizens of the state are welcome to make use of it as much as is possible without encroaching on the university needs.

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; 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 news-

paper; *The Gem of the Mountains,* Associated Students' yearbook; *The Idaho Blue Bucket,* humorous quarterly; *The Idaho Engineer,* engineering students' semi-annual technical journal; *The Idaho Agriculturist,* agricultural students' annual; *The Idaho Miner,* mining students' semi-technical journal; and *The Idaho Forester,* semi-technical and popular annual publication of the students of the School of Forestry.

PUBLIC SERVICE BULLETINS.—State Bureau of Mines and Geology Bulletins present results of research and field investigation conducted by that division. Numerous publications of the College of Agriculture serve the needs of the agricultural industry of the State.

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 the 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, $6; 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 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 the 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 on or before a specified date. For the 1936-37 University year this date will be September 23, 1936, for the first semester, and February 8, 1937, for the second semester. The check-out must be completed by midnight on these dates. A deposit of a sufficient amount to cover one week's board and room is required of each applicant for accommodations at the halls before reservation is effective. For the year 1936-37 this deposit will be $6, which amount will not be refunded unless the applicant notifies the bursar of the University on or before the day the hall is opened that he, or she, will not want the reservation. This deposit should be sent to the bursar at any time after July 15, 1936. Should the applicant remain in the hall permanently, this sum will be kept until the end of the college year as a guarantee deposit fee for the proper care of the room and furnishings. A refund of any balance remaining will be made to the student at that time. If detailed information regarding University residences is desired, letters will be referred to the proper authorities.

Women's Residences.—Three hundred young women can be housed by the University in the two women's halls, Mary E. Forney Hall and Gertrude L. Hays Hall. Rooms are arranged in suites for four and also in rooms for two occupants. Rooms are well lighted and heated and afford every comfort. Students are expected to provide for themselves the following articles: three pairs of sheets 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 $1.50 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 required 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

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

buildings are all heated from the central heating plant. Dining rooms in Lindley and Ridenbaugh Halls accommodate 325 boarders. Applications 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 traveler's 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 50-cent deduction is made for examination blue books. Classes frequently vote to charge special assessments against the balance of this fund.

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

LABORATORY FEE.—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.

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

For non-resident tuition see page 10.

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 six weeks of a semester will be entitled to receive the following refunds on general University fees paid for that semester:

> If withdrawal is made within the first two weeks of the semester eighty per cent (80%) will be refunded to the student; After two weeks and within four weeks, sixty per cent (60%); After four weeks and within six weeks, forty per cent (40%); After six weeks no refund will be allowed.

Application for these refunds must be made to the bursar at the time of withdrawal and within the time limits mentioned.

HALL RENT.—To receive a refund of hall rent students must vacate their rooms on or before a specified date. For the 1936-37 University year this date will be September 23, 1936, for the first semester, and February 8, 1937, for the second semester. The check-out must be completed by midnight on these dates. If students occupy 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 eights 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 awarded each fall to the senior man in the School of Business Administration who has attained the highest scholastic record during 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.

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. The candidate should have received his bachelor's degree from an agricultural college of recognized standing with a major in agronomy.

WILLIS L. CRITES FELLOWSHIP IN AGRICULTURAL ENGINEERING.—Willis L. Crites has established a research fellowship in the College of Agriculture and the College of Engineering, Department of Agricultural Engineering, for the purpose of conducting research in field and processing machinery required for the production of field peas. This fellowship carries an annual stipend of $300 and enables the candidate to secure his master's degree in two years. The candidate should have received his bachelor's degree in Agricultural Engineering.

FELLOWSHIP FOR THE BIOLOGICAL CONTROL OF THE PEA APHID.—The Crites-Moscow Seed Company, the Moscow Idaho Seed Company, and the Mark Means Seed Company have established a research fellowship in the College of Agriculture, Department of Entomology, for the purpose of conducting research in the control of the pea aphid by means of lady beetles. The fellowship carries an annual stipend of $450, and enables the candidate to secure his master's degree in one year. The candidate shall have received his bachelor's degree from an agricultural college of recognized standing with a major in entomology.

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 each fall to a senior woman in the School of Business Administration on the basis of excellence in scholarship, personality, and character during her junior year.

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.

THE POPE ORATORICAL CONTEST.—This is a contest sponsored by U. S. Senator James P. Pope. Any student enrolled in the University is eligible to compete. Orations must be original, and they must not exceed a twelve-minute time limit. The contest is held the second week in March, and it is judged by five faculty members. First prize is $25; second prize, $15; and third prize, $10. The winner has his name inscribed on a bronze table and will represent the University in the Pacific League Oratorical Contest.

RHODES SCHOLARSHIP.—By the request 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. States and district committees meet in December or January. 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 November to the secretary of the committee of selection for his state. The secretary for Idaho is C. G. Bowden, 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 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 the 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. In 1935 the Inter-Fraternity Council instituted a scholarship cup award. This award is made each year to the men's fraternity affiliated with the council having the highest scholastic average the previous year.

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 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 students winning first, second, and third places, receive, in addition, silver and bronze medals from the society and have their names 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, and students enrolled in Smith-Hughes Agriculture in high schools, 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.

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

*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 one.

honor list is published at commencement. The arrangement of names within groups is alphabetical. For the list of final honors of the year 1934-35 see Part VII of the Catalog.

LOAN FUNDS

NOTE.—The bursar is the proper University officer to contact for general information on any of the 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 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 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 pledged $100. 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 loan fund is available to seniors (and occasionally juniors) upon approval of the committee in charge. The maximum loan will be $200. For further information and application blanks communicate with William Wallin, Pocatello, chairman of the foundation for Idaho, or with Homer David, Moscow, secretary.

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

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 Athletic 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); *Cardinal Key* (junior and senior women's national service organization); *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); *Bachelor's Club* (a local group); *The Independent Club* (a local group).

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 the 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 of 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. *Alpha Lambda Delta* is a sophomore women's and *Phi Eta Sigma* a sophomore men's honorary. Following is a list of other honorary, professional, and departmental organizations at the University of Idaho:

LETTERS AND SCIENCE.—*Phi Upsilon Omicron* (national home economics); *Sigma Delta Pi* (national honorary Spanish); *Alpha Tau Delta* (women's honorary national pre-nursing); *Delta Sigma Rho* (national honorary debating); *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 Engineering, 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.—*Sigma Alpha Iota* (women's national honorary); *Phi Mu Epsilon* (men's local honorary); *University Symphony Orchestra; Treble Clef Club* (women's glee club); *Idaho Vandaleers* (mixed

chorus); *University Chorus; University A Cappella Choir; University Concert Band;* The *Apollo Club* (men's glee club); *University String Quartet; University Male Quartet;* and the *Vandalettes* (women's double sextet).

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 and one local 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 national, and *Chi Alpha Pi,* local. 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.—Eight national sororities have chapters at the University: *Gamma Phi Beta, Delta Gamma, Kappa Kappa Gamma, Kappa Alpha Theta, Pi Beta Phi, Alphi Chi Omega, Alphi 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; 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). The *L. D. S. Institute* maintains a residence 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 students 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 each institution 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 applicaton 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 directly 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 28.

	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 toward a major or a minor although such course 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 a later paragraph 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 to whom either of these provisions may apply should write to 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 student will be debarred from registering until the deficiencies are removed or the required courses are placed on his 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 cannot 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

Students who have completed work in other universities and educational institutions of fully accredited standing with a satisfactory scholarship record, and who present certified statements of their record and honorable dismissal from each of the institutions attended may be admitted to advanced standing. Credits presented from other than the above-mentioned educational institutions will be considered and evaluated in accordance with the information available and the regulations of the committee on admission and advanced credits. 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. 26a 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. 26 and 28 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 requirements of the University, and who present a satisfactory scholarship record, are admitted to advanced standing in the University. (*See Regulation No. 26 and requirements for admission to the Senior Colleges.*) 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 are given a class standing according to the number of their credits 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 fully 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. 26 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 acceptable 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

COLLEGE OF LETTERS AND SCIENCE AND SCHOOL OF BUSINESS ADMINISTRATION.—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.

COLLEGE OF LAW.—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 acceptable courses of college grade.* These credits would ordinarily be earned in the University Junior College. Three-fourths of the credits offered must be above

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*In defining pre-legal requirements, the Association of American Law Schools, of which the College of Law is a member, has adopted the following rule and its interpretation:
Rule 6, section 2:
"It (the school) shall require of all candidates for any degree at the time of the commencement of their law study the completion of one-half of the work acceptable for a Bachelor's degree granted on the basis of a four-year period of study by the state university. . . .
(1) That the pre-legal work required by Article Six, section two shall be interpreted to mean work done in residence.
(2) That in meeting the requirements of Article Six, section two a candidate shall present at least sixty semester hours . . . exclusive of credit earned in non-theory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, or other courses without intellectual content of substantial value."

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. Certified transcripts of all undergraduate and previous graduate work are also required, and these should be sent to the Registrar of 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 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 Metallurgical Engineering, B.S.(Met.E.)
- Bachelor of Science in Geology, B.S.(Geol.)
- Bachelor of Science in Geological Engineering, B.S.(Geol.E.)

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 Music, M.M.
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 Metallurgical Engineering, M.S.(Met.E.)
Master of Science in Mining Engineering, M.S.(Min.E.)
Master of Science in Geology, M.S.(Geol.)
Master of Science in Geological Engineering, M.S.(Geol.E.)
Master of Science in Forestry, M.S.(For.)
Master of Science in Education, M.S.(Ed.)
Master of Science in Music Education, M.S.(Mus.Ed.)
Master of Science in Business, M.S.(Bus.)

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, Chem.E.
Agricultural Engineer, A.E.
Engineer of Mines. E.M.
Metallurgical Engineer, Met.E.
Geological Engineer, Geol.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. 17, 18, 1936) 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.*—Students who enter the University of Idaho direct from the high schools and those who enter with advanced standing which does not include Eng. 1 or its equivalent, are required to take the uniform English test. However, the test is available to all students. Students who fail to pass the test will be required, in addition to regular Eng. 1, to do other work prescribed by the department of English until their deficiency has been removed.

(b) *Psychological Test.*—All new students are required to take the psychological test except those entering with advanced standing. These tests are administered during the days immediately preceding registration.

3. REGISTRATION.—Registration for the first semester of 1936-37 will be held on September 18-19, 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 in residence the first semester will be required to confer with their registering officer and file their registration blanks in the registrar's office between January 4 and January 21. 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 January 28. Second semester fees may be paid by mail or in person. New students and old students returning will register on January 29 and the morning of January 30.

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.

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. 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.

7. 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.

8. 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.

9. AUDITORS.—Students in the University may be admitted as auditors with the approval of the instructor and of their dean. Attendance as an auditor does not entitle one to credit or to admission to examinations in the course. Students registered only as auditors are excused from attendance on Freshman Days, from the uniform English test, the psychological test, and from the late registration fee.

10. 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.

11. 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

12. "CREDIT" is a quantitative term applied to work at the University and is determined by the number of recitation hours which a course meets each week during 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 pre-supposes two hours of outside preparation.

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

14. 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.

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

C. MAJOR STUDY

16. 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

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

18. "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.

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

20. "WITHDRAWAL."—A student who desires to withdraw from the

University must apply to his dean for an indefinite leave of absence. Failure to file such a leave of absence in the registrar's office within 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.

21. 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.

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. 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. 6).* 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, 26 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. 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 preceding.

E. RATING AND ELIGIBILITY

27. CLASS RATING.—A student in order to be rated as a freshman must have met the entrance requirements for regular students *(See 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.

28. 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.

29. ELIGIBILITY.—No student may represent this institution in any athletic contest, debate, play or other extra curricular activity, neither may he be a candidate in any final election for A.S.U.I. 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

30. 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.

31. ABSENCES BEFORE AND AFTER VACATIONS.—Students who absent themselves from class immediately before or after vacation (exclusive of single holidays) shall have their final grade reduced 10 points in each course in which absence was incurred. Absence before and after vacations dates from the last class the student attended prior to the vacation, to the first class attended after vacation.

32. CONCERTED ABSENCES.—Students who participate in any unauthorized, concerted action to absent themselves from class shall have their final grade reduced 10 points in each course affected by such absence.

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

G. MISCELLANEOUS

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

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*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.

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

36. AUDITING OF ACCOUNTS.—All funds for public purposes within the University (except those of 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.

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

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

PART III

The University Schools and Colleges With Their Curricula

College of Letters and Science

JOHN ANTON KOSTALEK, PH.D.....*Dean of the College and Director of the Pre-Medical and Pre-Nursing Curricula*
WILLIAM CARR BANKS, M.A.....*Secretary of the College Faculty*
GEORGE MOREY MILLER, PH.D.....*Chairman of the Curriculum Committee*
FLOYD WHITNEY GAIL, PH.D.....*Chairman of the Scholarship Committee*
KATHERINE JENSEN, M.S.....*Director of the Home Economics Curricula*
ARCHIE N. JONES, M.A.....*Director of the Music Curricula*

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 obtained until 1929, has been supplanted by a scheme of curricula, each of which centers in one major subject. These curricula have been so prepared 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* the intermediate course in a foreign language (French, German, Greek, Latin, or Spanish), 12 credits in English to include Eng. 17 and 18, and 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,* 12 credits in English to include Eng. 17 and 18 or Eng. 13 and 14, and 12 credits in social studies.

The requirements in social studies may be fulfilled by the completion of courses in American History, Classical Civilization, Economics, European History, Philosophy, Political Science, and Sociology.

SPECIFIC DEGREE REQUIREMENTS.—Candidates for any of the de-

*See page 31 for the language required for admission to the Senior College.

grees 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. 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.

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.

In the College of Letters and Science at least 54 credits in courses numbered above 50, and 36 credits in courses numbered above 100, taken after admission to junior standing, must be presented for graduation, except that credits in organized and applied music and elementary foreign language, if it is the second foreign language taken in college, may be counted as satisfying this requirement. A minimum of 128 semester credits is required for a degree.

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 Ed. 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 colleges or elsewhere, with the view of 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 department 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 43.)

PREREQUISITES

Course		Credits
Hist. 21-22.	History of the Americas	6
	or	
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. 123 and 124, and at least six credits in European History.

Course		Credits
Hist. 105-106.	Recent Times	6
Hist. 107-108.	English History	6
Hist. 115.	Beginning of American Diplomacy	3
Hist. 116.	American Diplomacy Since Civil War	3
Hist. 61.	Growth of the United States, 1789-1865	3
Hist. 62.	America, a World Power, 1865-1936	3
Hist. 123.	The Pacific Northwest	2
Hist. 124.	Idaho and Inland Empire	2
Hist. 127.	American Frontier	3
Hist. 128.	Teachers' Course in American History	2

ARCHITECTURE

(For the general requirements of the degree of Bachelor of Science see page 43.)

PREREQUISITES

Course		Credits
Hist. 13-14.	Classical Civilization	6
Art 1-2.	Freehand Drawing	4
Phys. 3.	General Physics	4
Arch. 11-12.	Elementary Architectural Design	4
Arch. 13.	Shades and Shadows	1
Arch. 14.	Architectural Perspective	1
Math. 1-2.	Freshman Mathematics	8
Math. 51-52.	Calculus	8

REQUIRED

Course		Credits
Art 101-102.	Water Color Painting	4
Arch. 53-54.	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 Plants of Buildings	3
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 43.)

PREREQUISITES

Course		Credits
Art 1-2.	Freehand Drawing	4
	or	
Art 5-6.	Life Drawing	4
	and	
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 123.	Composition and Illustration	3
Art 129-130.	History of Painting	4
Course in English Literature numbered above 100		4 or 6
History of French, German, or Spanish Civilization (exact course will depend on foreign language elected)		4

Select two from following four:

Course		Credits
Art 103-104.	Applied Design	4
Art 107-108.	Oil Painting	6
Art 127-128.	Advanced Freehand Drawing	6
Art 141-142.	Advanced Oil Painting	6

BACTERIOLOGY

(For the general requirements of the degree of Bachelor of Science see page 43.)

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. 54. Public Health and Hygiene	3
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. 106. Dairy Bacteriology	3
Bact. 108. Bacteriological Technique	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 General Fungi 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
Bact. 125. Soil Microbiology	4

BOTANY

(For the general requirements of the degree of Bachelor of Science see page 43.)

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

REQUIRED

Bot. 101-102. Plant Physiology	8
Bot. 121. Morphology of Thallophytes and Bryophytes	4
Bot. 122. Morphology of Pteridophytes and Spermatophytes	4
Bot. 104. Plant Anatomy 4 or Bot. 105, Plant Ecology	3

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 43.)

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. 105-106. Physical Chemistry	6
Chem. 109-110 Thesis	2
Math. 101. Engineering Mathematics	3
Phys. 152. Advanced Heat	3
Phys. 121-122. Analytical Mechanics	6

*A substitution for Chem. 51-52 may be made with the consent of the head of the department.

DRAMATICS AND PUBLIC SPEAKING

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

Course		Credits
Eng. 17-18.	Intro. to Literature	6
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

Course		Credits
A. With major work in Speech		
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. 141-142.	Shakespeare	6
Eng. 123-124.	Contemporary Drama	4
Eng. 161.	Voice Production	2
Eng. 171-172.	Advanced Play Production	6
Eng. 174.	History of the Theatre	2
Eng. 61-62.	Elementary Literary Composition	4
	or	
Eng. 167-168.	Advanced Interpretation	4
	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 43.)

PREREQUISITES

Course		Credits
Econ. 51n-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. 152.	Advanced Econ. Theory	3
Bus. 81-82.	Principles of Accounting	6
Bus. 113.	Statistics	3
Choice of 9 credits from:		
Econ. 112.	Labor Problems	3
Agr.Econ. 119.	Marketing Farm Products	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 43.)

PREREQUISITES

Course		Credits
Eng. 17-18.	Intro. to Literature	6
Courses in Public Speaking (Eng. 31-32, 35, 36); Dramatics (Eng. 33-34, 71-72); or Journalism (Eng. 81-82)		4-6

These prerequisites for teaching English 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

Fifteen credits in Education including special methods in teaching Composition and Literature, Public Speaking and Dramatics, or 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 Queene Anne Ages	4
Eng. 123.	Contemporary English and American Drama	2
Eng. 124.	Contemporary European Drama	2

Students expecting to do graduate

Course		Credits
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: 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. See paragraph "E" under English in Part V.

EUROPEAN HISTORY

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

Twelve credits from the following:

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

REQUIRED

Course		Credits
Hist. 105-106.	Recent Times	6
Hist. 107-108.	English History	6
Hist. 115-116.	American Diplomacy	6
Hist. 135-136.	Economic History	6
Pol.Sci. 125.	Comparative Government	3
Soc. 51.	Introductory Sociology	3
Eng. 175-176.	Readings in European Literature	4

SUGGESTED ELECTIVES

History	8
Education	6
Philosophy	6
Geography	6
French or German	6-8

FRENCH

(For the general requirements of the degree of Bachelor of Arts see page 43.)

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
	and either	
Fr. 21-22.	Advanced Sophomore French	4
	or	
Fr. 81-82.	Grammar Review and Composition	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. 81-82.	Grammar Review and Composition (unless already taken in sophomore year)	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. 181-182.	Fr. Composition and Conversation	4

GEOLOGY

(For the general requirements of the degree of Bachelor of Science see page 43.)

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 and Historical Geology	8
Bot. 1.	General Botany	4
	or	
Zool. 1.	General Zoology	4

REQUIRED

Course		Credits
Geol 53-54.	General Mineralogy	6
Geol. 101.	Advanced Physiography	3
Geol. 102.	Stratigraphy	3
Geol. 111.	Introductory Paleontology	3
Geol. 116.	Geography and Geology of Idaho and the Pacific Northwest	3
Geol. 123.	Mineral Resources	3
Geol. 121-122.	Structural Geology	4
Geol. 157.	Geology of Ore Deposits	4

GERMAN

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

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

Course	Credits
Ger. 1n-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
Choice of two:	
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 43.)

PREREQUISITES

Hist. 13-4. 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.

Course	Credits
REQUIRED	
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
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 Food, 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. Economic and Social Problems of the Home		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	3	
Soc. 51. Introductory Sociology	3	
Elective	2	7-9
	17	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.	Credits Sec. Sem.
Chem. 101-102. Organic Chemistry	4	4
H.Ec. 101-102. Selection and		

SENIOR YEAR

Course	Credits First Sem.	Credits 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	

*Candidates for the degree of B.S. (H.Ec.) must complete 60 credits in academic and non-professional fields.

Course	Credits	
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. Economic and Social Problems of the Home		2
H.Ec. 131. House Management and Sanitation	2	
Elective	3	5
	16	16

Course	Credits	
Soc. 51. Introductory Sociology	3	
H.Ec. 138. Institutional Administration and Quantity Cooking		4
Elective	1-3	5-7
	16	16

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

The American Dietetics Association has added the following requirements:

Psychology ..... 3-6 credits
Economics ..... 3 credits
Accounting ..... 3 credits

Dietetics majors not required to take H.Ec. 157.

JOURNALISM

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

Ability to use the typewriter.

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

Course	Credits
Eng. 17-18. Intro. to Literature	6
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	3
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
Eng. 197. Problems in Newspaper Publishing	2

SUGGESTED ELECTIVES

Course	Credits
Eng. 83-84. College Journalism	1-4
Eng. 198. High School Journalism	2
Eng. 61-62. Elementary Literary Composition	2-4
Bus. 165-166. Business Law	3-6
Bus. 175. Principles of Advertising	3
Bus. 176. Retail Advertising	2
Econ. 51n-52. Principles of Economics	6
Hist. 62. America, a World Power	3
Pol.Sci. 75. State Government	3
Pol.Sci. 76. City and County Government	3
Pol.Sci. 132. Political Parties	2
Soc. 51. Introductory Sociology	3
Soc. 132. Criminology	3
Soc. 165. Public Opinion	3

Advanced courses in Literature or advanced courses in a chosen field.

LATIN

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

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

Two years of Latin from the following:

Sequence I

Course	Credits
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

Lat. 53-54. Advanced Latin*	6

Course	Credits
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 of Arts, see page 43. 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 26 credits in courses numbered above 50 and 100.

SENIOR YEAR

Course	Credits
Law (first year)	28

*If not taken in Junior College.

MATHEMATICS

(For the general requirements of the degree of Bachelor of Science see page 43.)

PREREQUISITES

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

REQUIRED

Course	Credits
Math. 51-52. Calculus	8
Math. 111. Higher Algebra	3
Math. 112. Higher Geometry	3
Math. 121. Advanced Calculus	3
Math. 124. Differential Equations	3
Mechanics (Analytical or Technical)	5-6

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

SUGGESTED ELECTIVES

Course	Credits
Phil. 103. Logic	3

Advanced work in Natural Science, Engineering, 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 43.)

PREREQUISITES

Course	Credits
Mus. 1-2. Sight Singing and Ear Training	4
Mus. 3. Orientation in Music	2
Mus. 4. Elementary Harmony	2
Mus. 5-6. Second Year Harmony	6
Mus. 13-14. Keyboard Harmony	2
Applied Music	16

REQUIRED

Proficiency test for admission to junior courses in applied music.

Course	Credits
Advanced courses in Literature, Foreign Language, Art, or Education	8-12
Mus. 101-102. History and Literature of Music	4
Mus. 103-104. Form and Analysis	4
Applied Music	16
Ensemble, Mus. 35-36, 45-46, or 73-74	4

SUGGESTED ELECTIVES

Course	Credits
Phys. 54. Music and Sound	4
Mus. 59-60. Musical Diction	4
Mus. 105-106. Counterpoint	4
Mus. 109-110. Elementary Composition	4
Mus. 111-112. Instrumentation and Orchestration	4
Mus. 179. Choral Conducting	2
Mus. 180. Orchestral Conducting	2

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 and Literature 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 and Orchestration	4
Mus. 113-114. Advanced Counterpoint	2
Advanced courses in Literature, Foreign Language, Art, or Education	8
A. For those studying piano:	
Mus. 73-74. Ensemble (instrumental)	2
Mus. 125. Piano (applied music)	16
Mus. 117n-118. Piano Repertoire and Interpretation	2
B. For those studying voice:	
Mus. 73-74. Ensemble (vocal)	2
Mus. 135. Voice (Applied music)	16
Mus. 115n-116. Song Repertoire and Interpretation	2
Mus. 35-36. Chorus, Glee Club, or Choir	4
C. For those studying other instruments:	
Mus. 73-74. Ensemble (Instrumental)	2
Applied Music (one instrument)	16
Mus. 45-46. Orchestra	4

SUGGESTED ELECTIVES

Course	Credits
Phys. 54. Music and Sound	4
Mus. 59-60. Musical Diction	4
Mus. 179. Choral Conducting	2
Mus. 180. Orchestral Conducting	2

PHILOSOPHY

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

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

REQUIRED

Course	Credits
Phil. 101-102. Ethics	6
Phil. 103. Logic	3
Additional credits in Philosophy courses numbered above 100	11

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 43.)

PREREQUISITES

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

REQUIRED

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

SUGGESTED ELECTIVES

Course		Credits
Phys. 211-212.	Modern Physics	8
Math. 101.	Engineering Mathematics	3
Chem. 51.	Qualitative and Gravimetric Analysis	4
Chem. 52.	Quantitative Analysis	4

POLITICAL SCIENCE

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

Course		Credits
Pol.Sci. 1-2.	American Government	6
	or	
Pol.Sci. 75.	State Government	3
	and	
Pol.Sci. 76.	City and County Government	3

REQUIRED

Twenty credits in Political Science from the following:

Course		Credits
Pol.Sci. 125.	Comparative Government	3
Pol.Sci. 127.	Theory of the State	3
Pol.Sci. 128.	American Political Theory	3
Pol.Sci. 132.	Political Parties	2
Pol.Sci. 135.	Legislation and Legislative Bodies	2
Pol.Sci. 136.	American Constitution	3
Pol.Sci. 137.	International Relations	3
Pol.Sci. 138.	International Political Organization	3
Pol.Sci. 142.	Conduct of American Foreign Policy	3
Pol.Sci. 151.	Government and Business	3
Pol.Sci. 152.	Public Administration	3

Twenty credits from the following:

Course		Credits
Soc. 121.	The Family	3
Soc. 144.	Race and Nationality Problems	3
Soc. 165.	Public Opinion	3
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. 62.	America a World Power	3
Hist. 135-136.	Economic History	6
Phil. 106.	State and Individual	3

Specific adjustments will be made to care for particular aims and needs of the student.

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.	Cytology	4
Zool. 151-152.	Photo. Technique	4
Zool. 111.	General Neurology	4
Zool. 118.	Parasitology	4
Electives		8
		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

PSYCHOLOGY

(For the general requirements of the degree of Bachelor of Science see page 43.)

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	3
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. 113 or 109, Embryology or Histology	4

SOCIOLOGY

(For the general requirements of the degree of Bachelor of Arts see page 43.)

PREREQUISITES

Course	Credits
Soc. 51. Introductory Sociology	3
Soc. 70. Group Control	3

REQUIRED

Eighteen credits in Sociology from the following:

Soc. 121. The Family	3
Soc. 132. Criminology	3
Soc. 144. Race and Nationality Problems	3
Soc. 153. Social Disorganization	3
Soc. 156. Social Case Work	3
Soc. 161. Community Organization	3
Soc. 165. Public Opinion	3

Eighteen credits from the following allied courses:

Pol.Sci. 125. Comparative Government	3
Pol.Sci. 132. Political Parties	2
Pol.Sci. 137. International Relations	3
Pol.Sci. 152. Public Administration	3
Hist. 135-136. Economic History	6
Hist. 107-108. English History	6
Phil. 106. State and Individual	3
Psych. 121-122. Advanced Psychology	8
Econ. 152. Advanced Economic Theory	3
Bus. 167. Government Regulation of Business	3
Bus. 193-194. Business Conditions	6
Bus. 165-166. Business Law	6

SPANISH

(For the general requirements of the degree of Bachelor of Arts see page 43.)

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. Adv. Sophomore Spanish	4

RECOMMENDED PREPARATION

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

REQUIRED

Course	Credits
A reading knowledge of another foreign language.	
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

*Twenty of these credits must be in hundreds courses.

ZOOLOGY

(For the general requirements of the degree of Bachelor of Science see page 43.)

PREREQUISITES

Course			Credits
Zool.	1-2.	General Zoology	8
Zool.	4.	Comparative Anatomy of Vertebrates	4
Chem.	1-2	General Chemistry	8

RECOMMENDED PREPARATION

Chem.	51-52.	Qualitative and Quantitative Analysis	8
Bot.	1.	General Botany	4

REQUIRED

Zool.	58.	Heredity and Eugenics	2
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.	121-122.	Plant Morphology	4
Chem.	101-102.	Organic Chemistry	8
Bact.	51.	General Bacteriology	4
Ent.	101.	General Entomology	3
Zool.	53.	Invertebrate Zoology	4
Zool.	68.	Ornithology	3
Zool.	103-104.	Human Anatomy	4
Zool.	105-106.	Human Physiology	6
Zool.	107.	Organic Evolution	3
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*
HERBERT ELMER LATTIG, B.S. (AGR.), M.S. (ED.).....*Assistant Dean, and Chairman of the Committee on Scholarship and Curriculum*
AUDELLA JOHNSON.....*Secretary of the College Faculty*

THE equipment of the College of Agriculture and Agricultural Experiment Station at Moscow consists of 740 acres of deeded land and 11 permanent buildings. In addition the University owns or leases for purposes of agricultural experiments 800 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; greenhouses; entomology building; dairy-cattle; horse, sheep, swine, and beef-cattle barns; poultry-service building, and laying houses; 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; 300 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 210 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 ad-

vanced 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 100 head of dairy cattle, representing the Jersey and Holstein breeds. On these complete breeding and production records are kept.

ENTOMOLOGY.—The department of entomology occupies the entire Entomology Building. 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 three divisions, fruit growing, vegetable growing, and ornamental horticulture. Orchards, vineyards, berry plantations, and garden space are available for practical instruction outdoors, and greenhouses, storage and small grading and packing house for indoor work. Junior and senior students have access to a well-equipped laboratory in Morrill Hall for advanced study and research.

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 59. On or before the beginning of the junior year a major agricultural subject is chosen. Majors may be chosen in any department of 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.

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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.

Those who desire a more general course in agriculture, such as will especially fit for county agent and other extension work, should major in General Agriculture, or will find it 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			SECOND SEMESTER		
Course		Credits	Course		Credits
Eng. 1.	English Composition	3	Chem. 2.	General Chemistry	4
Chem. 1.	General Chemistry	4	Zool. 1.	General Zoology	4
Bot. 11.	General Ag. Botany	5	Hort. 2.	Intro. to Horticulture	3
Agron. 1.	General Crop Prod.	4	A.E. 4.	Gen. Agric. Engin.	3
Mil. 1.	Freshman Military	1½	Mil. 2.	Freshman Military	1½
P.E. 31.	Freshman Sports	½	P.E. 32.	Freshman Sports	½
			Elective		2
Total		18	Total		18

SOPHOMORE YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Chem. 53.	Org. and Anal. Chem.	4	Ag.Chem. 2.	Ag. Chemistry	4
*Social Science		3	Econ. 53.	Principles of Econ.	4
Agron. 51.	General Soils	4	Bact. 51.	Gen. Bacteriology	4
A.H. 1.	Livestock Industry	5	D.H. 2.	Elements of Dairying	4
Mil. 3.	Sophomore Military	1½	Mil. 4.	Sophomore Military	1½
P.E. 33.	Sophomore Sports	½	P.E. 34.	Sophomore Sports	½
Total		18	Total		18

JUNIOR YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Ag.Econ. 103.	Ag. Economics	3	Eng. 155.	Technical Writing	3
P.P. 101.	Gen. Plant Path.	3	Major Requirements		15-11
Ent. 101.	Gen. Entomology	3	†Phys. 1.	Elementary Physics	4
Major Requirements		8			
Total		17	Total		18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Minimum Major Requirements	7	Minimum Major Requirements	4
Selected Courses	11	Selected Courses	13
Total	18	Total	17

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 from courses in Economics, History, Philosophy, Political Science, or Sociology.

†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 be able to adjust their schedules to the Agricultural curriculum 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, are eligible for 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 the courses specified in the regular agricultural curriculum as follows:

FIRST: 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. 101 (General Entomology); P.P. 101 (General Plant Pathology); Agron. 51 (General Soils); Ag.Econ. 103 (Agricultural Economics).

Majors may be chosen in any department of 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-five to twenty-nine 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. (See Admission Requirements, pages 25 to 33.) 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 29 for regulations governing such admission.

SHORT COURSES

COMMERCIAL DAIRYING

October 19, 1936 *to March* 19, 1937

The five-months' course in Commercial Dairying is planned to give a practical working knowledge of modern dairy 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 manufacture 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 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-curriculum 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.	Hours Lab.
Cheesemaking	2	5
Buttermaking	2	4
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	20

SECOND TERM

Course	Hours Lect.	Hours Lab.
Ice-Cream Making	2	2
Milk Production	2	4
Market Milk	2	2
Factory Management	3	0
Dairy Review	2	0
Dairy Bacteriology	0	4
Scoring Milk, Butter, Cheese and Ice Cream	0	2
Total	11	14

MOTOR MECHANICS

TRADES TRAINING COURSES IN MOTOR MECHANICS, DIESEL ENGINES, AND CARPENTRY

September 17, 1936 *to June* 5, 1937

The trades training courses in Motor Mechanics, Diesel Engines, and Carpentry are cooperative between the Department of Agricultural Engineering, University of Idaho, and the Trades Training Division of the State Department of Vocational Education. These courses are scheduled on a nine months' basis following the program for the regular University work, and are of non-college credit. Under the vocational training requirements students must attend lecture and laboratory classes five days per week for a period of six hours each day. The cost of these courses includes the regular University registration fee of approximately $32.50 for each full semester. Additional costs are for books and instruction material, which averages about $20.00 to $30.00 per year, and for board and room, which may be obtained at reasonable rates from the University or from private homes. Enrollment in these courses is open to anyone who can show that he will profit from the work offered, but those with an eighth grade education and who are at least 16 years of age are best fitted to take advantage of the work.

MOTOR MECHANICS

FIRST TERM

Course	Hours Lect.	Hours Lab.
Ignition	2	4
Garage Management	2	0
Oxyacetylene Welding	0	4
Motors	2	4
Shop Practice	1	2
Chassis	2	4
Top-Body-Fenders	1	2
Total	10	20

SECOND TERM

Course	Hours Lect.	Hours Lab.
Ignition	2	4
Tractors and Trucks	2	0
Oxyacetylene Welding	0	4
Motors	2	4
Batteries	1	2
Chassis	2	4
Top-Body-Fenders	1	2
Total	10	20

DIESEL ENGINES

FIRST TERM

Course	Hours Lect.	Hours Lab.
Diesel Engines	2	4
Engine Repair	2	4
Machine Shop	1	4
Tractor and Truck Diesel Engines	1	4
Industrial Applications for Diesel Engines	2	2
Diesel Generating Plants	2	2
Total	10	20

SECOND TERM

Course	Hours Lect.	Hours Lab.
Diesel Engines	2	4
Engine Repair	2	4
Welding	1	4
Tractor and Truck Diesel Engines	1	4
Marine Applications for Diesel Engines	2	2
Diesel Plant Costs and Operation	2	2
Total	10	20

CARPENTRY

FIRST TERM

Course	Hours Lect.	Lab.
Tool Conditioning	1	4
Fundamental Woodwork	1	4
Specifications and Plans	2	4
Building Materials	2	2
Costs and Estimates	2	2
Concrete Construction	2	4
Total	10	20

SECOND TERM

Course	Hours Lect.	Lab.
Power Tool Use	1	4
Advanced Woodwork	2	4
Specifications and Plans	2	4
Painting and Finishing	2	4
Builders' Hardware	2	2
Masonry Construction	1	2
Total	10	20

TRACTOR SHORT COURSE

January 25 to February 6, 1937

The annual 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 $2.00, 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, unusually well-appointed drawing rooms, 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.—The main 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 photometric, radio, 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
Chem. 1.	General Chemistry	4	Chem. 2.	General Chemistry	4
C.E. 1.	Engineering Drawing	3	C.E. 2.	Descriptive Geometry	3
C.E. 11.	Engineering Lectures	1	C.E. 10.	Engineering Problems	1
Eng. 1.	English Composition	3	Eng. 2.	English Composition	3
Math. 11.	Freshman Mathematics	5	Math. 12.	Freshman Mathematics	5
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
C.E. 3.	Plane Surveying	4	C.E. 4.	Topographic Surveying	3
Geol. 1.	General Geology	4	C.E. 6.	Mechanics (Statics)	2
Math. 51.	Calculus	4	C.E. 8.	Plane Curves	1
Mil. 3.	Sophomore Military	1½	Math. 52.	Calculus	4
P.E. 33.	Sophomore Sports	½	Mil. 4.	Sophomore Military	1½
Phys. 11.	Engineering Physics	5	P.E. 34.	Sophomore Sports	½
			Phys. 12.	Engineering Physics	5
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. 104.	Hydraulics	3
C.E. 105.	Highways and Streets	2	C.E. 106.	Reinforced Concrete	2
C.E. 107.	Railroad Engineering	2	C.E. 112.	Materials Laboratory	1
C.E. 109.	Materials Laboratory	1	E.E. 132.	A. C. Machinery	2
C.E. 113.	Railway and Highway Surveying	3	Eng. 151.	Engineering Reports	3
E.E. 131.	D. C. Machinery	3	M.E. 121.	Thermodynamics	3
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	5	C.E. 120.	Irrigation	2
C.E. 141.	Water Supply	2	C.E. 144.	Sewers and Sewage	2
C.E. 127.	Water Power Engin.	2	C.E. 124.	Contracts and Specifications	2
C.E. 135.	Estimates and Costs	2	C.E. 126.	Concrete Structures	5
C.E. 137.	Statically Indeterminate Stresses	3	C.E. 128.	Pro-Seminar	1
Elective*		4	C.E. 138.	Valuations and Appraisals	2
			Elective*		4
Total		18	Total		18

Total credits required, 145.

CURRICULUM IN ELECTRICAL ENGINEERING

SOPHOMORE YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Math. 51.	Calculus	4	C.E. 36.	Surveying	2
M.E. 3.	Machine Shop	2	C.E. 6.	Mechanics (Statics)	2
M.E. 5.	Machine Drawing	2	E.E. 22.	Elem. Elec. Engineering	3
M.E. 13.	Mechanism	3	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
Phys. 11.	Engineering Physics	5	Phys. 12.	Engineering Physics	5
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
E.E. 133.	D. C. Machinery	3	E.E. 134.	A. C. Machinery	3
E.E. 135.	E. E. Laboratory	2	E.E. 136.	E. E. Laboratory	2
Math. 101.	Engineering Math.	3	Eng. 151.	Engineering Reports	3
M.E. 121.	Thermodynamics	3	M.E. 122.	Power Plants	3
Phys. 131.	Elec. and Magnetism	2	M.E. 124.	Machine Design	2
Phys. 133.	Elec. Measurements	2			
Total		19	Total		18

SENIOR YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
E.E. 141.	Electrical Engineering	5	E.E. 124.	Contracts and Specifications	2
E.E. 143.	E. E. Laboratory	2	E.E. 142.	Electrical Engineering	5
E.E. 145.	Pro-Seminar	1	E.E. 144.	E. E. Laboratory	2
E.E. 147.	Electrical Design	3	E.E. 146.	Pro-Seminar	1
M.E. 128.	M. E. Laboratory	2	E.E. 162.	Radio Engineering	3
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
Chem. 51.	Qualitative Analysis	4	Chem. 52.	Quantitative Analysis	4
Ger. 1.	Elementary German	4	Ger. 2.	Elementary German	4
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
Phys. 11.	Engineering Physics	5	Phys. 12.	Engineering Physics	5
Total		19	Total		19

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

JUNIOR YEAR

FIRST SEMESTER			Credits
Chem.	101.	Organic Chemistry	4
Chem.	103.	Adv. Quant. Analysis	3
E.E.	131.	Direct Current Mach.	3
Ger.	15.	Scientific German	3
Eng.	151.	Engineering Reports	3
M.E.	13.	Mechanism	3
		Total	19

SECOND SEMESTER			Credits
Chem.	102.	Organic Chemistry	4
Chem.	108.	Industrial Chemistry	2
C.E.	6.	Mechanics (Statics)	2
E.E.	132.	A. C. Mach. & Lab.	2
Ger.	16.	Scientific German	3
M.E.	121.	Thermodynamics	3
M.E.	128.	M. E. Laboratory	2
		Total	18

SENIOR YEAR

FIRST SEMESTER			Credits
Chem.	105.	Theoretical and Physical Chemistry	3
Chem.	109.	Thesis	2
Chem.	113.	Chemical Engineering	3
C.E.	101.	Mechanics (Dynamics)	2
C.E.	103.	Mechanics of Materials	3
C.E.	109.	Materials Laboratory	1
Elective*			3
		Total	17

SECOND SEMESTER			Credits
Chem.	106.	Theoretical and Physical Chemistry	3
Chem.	110.	Thesis	1
Chem.	114.	Chemical Engineering	4
C.E.	3b.	Plane Surveying	2
C.E.	104.	Hydraulics	3
C.E.	124.	Contracts and Specifications	2
M.E.	124.	Machine Design	2
		Total	17

Total credits required, 145.

CURRICULUM IN MECHANICAL ENGINEERING

SOPHOMORE YEAR

FIRST SEMESTER			Credits
Math.	51.	Calculus	4
M.E.	3.	Machine Shop	2
M.E.	5.	Machine Drawing	2
M.E.	13.	Mechanism	3
Mil.	3.	Sophomore Military	1½
P.E.	33.	Sophomore Sports	½
Phys.	11.	Engineering Physics	5
		Total	18

SECOND SEMESTER			Credits
C.E.	6.	Mechanics (Statics)	2
E.E.	22.	Elem. Electrical Engineering	3
Math.	52.	Calculus	4
M.E.	4.	Foundry	3
Mil.	4.	Sophomore Military	1½
P.E.	34.	Sophomore Sports	½
Phys.	12.	Engineering Physics	5
		Total	19

JUNIOR YEAR

FIRST SEMESTER			Credits
C.E.	101.	Mechanics (Dynamics)	2
C.E.	103.	Mechanics of Materials	3
C.E.	109.	Materials Laboratory	1
E.E.	133.	D. C. Machinery	3
E.E.	137.	E. E. Laboratory	2
M.E.	121.	Thermodynamics	4
M.E.	123.	Aerodynamics I	3
		Total	18

SECOND SEMESTER			Credits
C.E.	104.	Hydraulics	3
E.E.	134.	A. C. Machinery	3
E.E.	138.	E. E. Laboratory	2
Eng.	151.	Engineering Reports	3
M.E.	122.	Power Plants	3
M.E.	124.	Machine Design	2
M.E.	128.	M. E. Laboratory	2
		Total	18

SENIOR YEAR

FIRST SEMESTER			Credits
M.E.	125.	Machine Design	2
M.E.	127.	M. E. Laboratory (Gas)	2
M.E.	129.	Aeronautical Engineering	3

(Continued on page 67)

SECOND SEMESTER			Credits
C.E.	3b.	Plane Surveying	2
C.E.	124.	Contracts and Specifications	2
M.E.	136.	Refrigeration and Air Conditioning	2

(Continued on page 67)

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

FIRST SEMESTER (Cont'd.)			SECOND SEMESTER (Cont'd.)		
M.E. 133.	Steam Power Plants	3	M.E. 140.	Pro-Seminar	1
M.E. 141.	Heat Power Engineering	3	M.E. 142.	Airplane Engines	2
Elective*		5	M.E. 144.	Heating and Ventilation	2
			M.E. 150.	Thesis	3
			Elective*		4
Total		18	Total		18

Total credits required, 145.

CURRICULUM IN AGRICULTURAL ENGINEERING

Administered jointly by the Colleges of Engineering and Agriculture.

SOPHOMORE YEAR

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

JUNIOR YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
C.E. 101.	Mechanics (Dynamics)	2	A.E. 112.	Water Supply & San.	2
C.E. 103.	Mech. of Materials	3	A.E. 133.	Tractors and Trucks	2
C.E. 109.	Materials Lab.	1	C.E. 102.	Framed Structures	3
Geol. 1.	General Geology	4	C.E. 104.	Hydraulics	3
Eng. 151.	Engr. Reports	3	C.E. 106.	Reinforced Concrete	2
M.E. 13.	Mechanism	3	D.H. 2.	Elements of Dairying	4
M.E. 121.	Thermodynamics	3	E.E. 22.	Elem. Elec. Engr.	3
Total		19	Total		19

SENIOR YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
A.E. 105.	Pro-Seminar	1	A.E. 106.	Pro-Seminar	1
A.E. 161.	Irri. Practice	2	A.E. 108.	Farm Buildings	3
Agron. 51.	Gen. Soils	4	A.E. 136.	Mach. Meth. in Agr.	3
E.E. 133.	D. C. Machinery	3	C.E. 124.	Con. and Spec.	2
E.E. 137.	E. E. Laboratory	2	E.E. 134.	A. C. Machinery	3
C.E. 133.	Engineering Administration	2	E.E. 138.	E. E. Laboratory	2
Elective*		4	Elective*		3
Total		18	Total		17

Total credits required, 146.

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

The College of Law

PENDLETON HOWARD, A.M., LL.B., PH.D.....*Dean of the College*

PURPOSES AND METHODS OF INSTRUCTION

THE College of Law was established in 1909. Its primary purpose is to afford a thorough and scientific legal education for students who are fitted by intellectual maturity and previous academic training to pursue professional study under university methods of instruction.

The curriculum covers a minimum period of three academic years and is designed to prepare students for the general practice of law in any American state. Special attention is paid, however, to problems of local law in the western states, to Idaho pleading and practice, and to the Idaho law of community property.

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 their entire 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 and other source materials, the solution of problems, and the rendition of reports upon legal questions. The mere accumulation of information is subordinated to the more important ends of developing the faculties of the student and of training him in scientific habits of thought, at the same time imparting a thorough knowledge of the law as it actually functions.

APPROVAL BY THE AMERICAN BAR ASSOCIATION

In 1921 the American Bar Association adopted a resolution reading in part as follows:

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

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

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

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

(d) It shall have among its teachers a sufficient number

giving their entire time to the school to insure actual personal acquaintance and influence with the whole student body.

The College of Law has complied with these requirements and is classified by the American Bar Association as an "approved law school."

MEMBER OF THE ASSOCIATION OF AMERICAN LAW SCHOOLS

The College of Law is a member of the Association of American Law Schools, an organization of more than seventy-five of the leading law schools of the United States and Canada. The Association was formed in 1900 with the object of improving legal education in America. Member schools are required to maintain certain high standards relating to entrance requirements, faculty, library and curriculum. It is generally recognized that the Association of American Law Schools and the committee on legal education of the American Bar Association have been the primary forces during the past 35 years in the improvement of legal education in this country. They are the only accrediting agencies of law schools.

PREPARATION FOR THE STUDY OF LAW

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. Those with sound and thorough preliminary education have an immense advantage in the study of law over those who lack such preparation.

Since the law touches every human interest, the College of Law does not consider it desirable to prescribe a rigid pre-legal course of study. In this it follows the judgment of the Association of American Law Schools. Among the many values to be derived from a college education, maturity of thought, judgment and expression is of peculiar importance to the study of law. Such maturity comes from rigorous intellectual discipline derived from the mastery of any study undertaken by the student, coupled with a sufficient knowledge of the history and development of English and American institutions and of modern civilization to appreciate the social, economic and political forces back of our legal system.

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.

COMBINED ARTS AND LAW 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 50, 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 31.) No work included in the above 98 credits and counted toward the Bachelor of Arts degree may be counted again toward the LL.B. degree.

COMBINED BUSINESS AND LAW COURSE

The College of Law and the School of Business Administration offer a combined six-year curriculum leading to the degree of Bachelor of Science in Business at the end of four years and to the degree of Bachelor of Laws at the end of six years. Details with respect to this combination curriculum may be found on page 90. The same scholarship requirements are in effect for this combined course as for regular admission to the College of Law. (See page 31.)

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, 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. 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.

SPECIAL LECTURES

It is the policy of the College of Law 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, in mining law, in special phases of Idaho practice, and in 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 some thirteen 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; English Chancery Reports; Moak's English Reports; Law Journal English Reports,* and the *English Reprints;* the National Reporter System, including *Federal Cases,* the *Federal Reporter* and *New York Supplement.* In addition the library contains bound volumes of the leading legal periodicals, and such treatises and other materials as are adapted to general legal instruction, including works on legal history, legal philosophy and public international law.

REQUIREMENTS FOR GRADUATION AND DEGREE

Students who have complied with all the entrance requirements and have completed the prescribed first-year courses and have obtained 52 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 of which 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. (See also Regulation 26 on page 37.)

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, and 111n-112, 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 107. Court Organization	2	Law 112. Property	3
Law 109. Civil Procedure	3	Law 116. Torts	5
Law 111n. Property	3	Law 120. Legal Bibliography	1

SECOND AND THIRD YEARS

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Law 201. Equity I	3	Law 202. Equity II	3
Law 203. Persons and Community Property	3	Law 208. Evidence	4
Law 217. Bills and Notes	3	Law 212. Wills	2
Law 231. Trial and Appellate Practice	3	Law 216. Titles	2
Law 235. Security	3	Law 222. Sales	3
Law 251. Constitutional Law	5	Law 232. Code Pleading	3
Law 255. Conflict of Laws	3	Law 236. Creditors' Rights	3
Law 265. Business Associations I	4	Law 242. Municipal Corporations	3
Law 281. Research		Law 258. Trusts	4
		Law 268. Business Associations II	5
		Law 274. Taxation	3
		Law 278. Administrative Law	3
		Law 282. Research	
		Law 292. Mining Law	
		Law 294. Water Rights	
		Law 296. Office Practice	

The School of Mines

ARTHUR WILLIAM FAHRENWALD, B.S., E.M., MET.E.....*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 materials) 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 Mining Engineering, Metallurgical Engineering, Geological Engineering, and Geology. For requirements for the degrees of Master of Science in these branches and the professional degrees, E.M., Met.E., and Geol.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 30 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 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.

Students in the geological curricula also can supplement classroom work by field study of famous mineral deposits. The State cannot be surpassed as a field for general geologic investigations. 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 that cover thousands of square miles of territory, and volcanic craters recently active. Nowhere else in the world can the relationship of ore deposition structure 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.

MINING ENGINEERING.—The equipment in mining includes models of mine workings and mine timbering, rock drills, mine surveying instruments, draughting tables and equipment, together with illustrative material for classroom study.

METALLURGICAL ENGINEERING.—The 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 pulverizers; screening equipment; several types of concentrating tables; flotation machines of various kinds; apparatus for leaching and agitation tests for gold and silver extraction; pyrometers; calorimeters; and other equipment.

GEOLOGY AND GEOLOGICAL ENGINEERING.—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 3,000 mineral specimens; over 2,000 rock specimens; 1,000 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.

FIELD TRIPS.—Appropriate field trips are arranged and conducted under close instructional supervision. The availability of areas of unusual geologic structure and of mining and metallurgical plants provides convenient opportunity for studies in the field to supplement class and laboratory work.

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 Idaho 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.—Four graduate fellowships are offered, carrying an income of $500 a year each, two in geology and two in metallurgy, the latter supported by the Idaho Bureau of Mines and Geology. Under the direction of the dean and members of the Idaho Bureau of Mines and Geology staff, the metallurgy fellows carry on research work upon some of the urgent ore-treatment problems of Idaho or those of a general nature confronting the industry. The geology fellows, under the staff of the geology department, are assigned geologic research in field and laboratory, usually upon a problem connected with the mineral industry of the state.

THESIS.—Senior students are assigned individual investigation upon approved 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. By all taking the same work in the freshman year, and the majority in the sophomore year also, students have ample opportunity to make a deliberate and thoughtful choice of option as their ambitions become defined and their aptitudes tested.

The electives in the curricula must be approved by the dean of the school at time of registration.

COMMON TO ALL OPTIONS

FRESHMAN YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Chem.	1. General Chemistry	4	Chem.	2. General Chemistry	4
Eng.	1. English Composition	3	Eng.	2. English Composition	3
Geol.	1. Introductory Geology	4	Geol.	2. Historical Geology	4
Math.	1. Freshman Mathematics	4	Math.	2. Freshman Mathematics	4
Mil.	1. Freshman Military	1½	Mil.	2. Freshman Military	1½
Min.	1. Mineral Industry	1	Min.	2. Mineral Industry	1
P.E.	31. Freshman Sports	½	P.E.	32. Freshman Sports	½
	Total	18		Total	18

COMMON TO ALL EXCEPT GEOLOGY OPTION

SOPHOMORE YEAR

FIRST SEMESTER		Credits
C.E. 1.	Engineering Drawing	3
Geol. 53.	General Mineralogy	3
Math. 51.	Calculus	4
Mil. 3.	Sophomore Military	1½
Phys. 11.	Engineering Physics	5
P.E. 33.	Sophomore Sports	½
	Total	17

SECOND SEMESTER		Credits
C.E. 2.	Descriptive Geometry	3
C.E. 6.	Mechanics (Statics)	2
Geol. 54.	General Mineralogy	3
Math. 52.	Calculus	4
Mil. 4.	Sophomore Military	1½
Phys. 12.	Engineering Physics	5
P.E. 34.	Sophomore Sports	½
	Total	19

CURRICULUM IN GEOLOGICAL ENGINEERING

JUNIOR YEAR

FIRST SEMESTER		Credits
Chem. 51.	Qualitative Analysis	4
C.E. 3a.	Plane Surveying	3
Geol. 121.	Structural Geology	2
Geol. 163.	Optical Mineralogy	3
Min. 101.	Elements of Mining	3
Met. 101.	Principles of Metallurgy	2
Elective		2
	Total	19

SECOND SEMESTER		Credits
Chem. 52.	Quantitative Analysis	4
C.E. 4.	Topographic Surveying	4
Geol. 122.	Structural Geology	2
Geol. 130.	Geologic Field Methods	2
Geol. 164.	Petrography	3
Min. 106.	Mine Surveying	2
Min. 118.	Mine Surveying (Field Trip)	1
	Total	18

SENIOR YEAR

FIRST SEMESTER		Credits
Geol. 131.	Geological Field Methods	2
Geol. 157.	Geology of Ore Deposits	4
Min. 107.	Mine Surveying	1
Met. 111.	Ore Dressing	2
Eng. 151.	Engineering Reports	3
Elective		6
	Total	18

SECOND SEMESTER		Credits
Geol. 158.	Geology of Non-Metalliferous Deposits	3
Geol. 194.	Thesis	2
Min. 108.	Mine Rescue and First Aid	1
Econ. 53.	Principles of Economics	4
Met. 104.	Fire Assaying	2
Geol. 156.	Mineragraphy	2
Elective		5
	Total	19

Total required for graduation, 146.

CURRICULUM IN GEOLOGY

SOPHOMORE YEAR

FIRST SEMESTER		Credits
Bot. 1.	General Botany	4
	or	
Zool. 1.	General Zoology	(4)
	or	
Chem. 51.	Qualitative Analysis	(4)
C.E. 1.	Engineering Drawing	3
Geol. 53.	General Mineralogy	3
Mil. 3.	Sophomore Military	1½
P.E. 33.	Sophomore Sports	½
Elective		7
	Total	19

SECOND SEMESTER		Credits
Bot. 54.	Systematic Botany	3
	or	
Zool. 2.	General Zoology	(4)
	or	
Chem. 52.	Quantitative Analysis	(4)
C.E. 2.	Descriptive Geometry	3
Geol. 54.	General Mineralogy	3
Mil. 4.	Sophomore Military	1½
P.E. 34.	Sophomore Sports	½
Elective		7 or 8
	Total	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 3a. Plane Surveying	3	C.E. 4. Topographic Surveying	3
Geol. 121. Structural Geology	2	Geol. 122. Structural Geology	2
Geol. 163. Optical Mineralogy	3	Geol. 130. Geological Field Methods	2
Phys. 3. General Physics	4	Geol. 164. Petrography	3
Elective	7	Phys. 4. General Physics	4
		Elective	3
Total	19	Total	17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 155. Technical Writing	3	Geol. 102. Stratigraphy	3
Geol. 101. Advanced Physiography	3	Geol. 156. Mineragraphy	2
Geol. 111. Introductory Paleontology	3	Geol. 158. Geology of Non-Metalliferous Deposits	3
Geol. 131. Geologic Field Methods	2	Geol. 162. Sedimentation	3
Geol. 157. Geology of Ore Deposits	4	Geol. 194. Thesis	2
Elective	3	Elective	5
Total	18	Total	18

Total required for graduation, 146.

CURRICULUM IN METALLURGICAL ENGINEERING

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 51. Qualitative Analysis	4	Chem. 52. Quantitative Analysis	4
C.E. 3a. Plane Surveying	3	C.E. 4. Topographic Surveying	3
C.E. 101. Mechanics (Dynamics)	2	E.E. 132. A. C. Machinery	2
E.E. 131. D. C. Machinery	3	Met. 104. Fire Assaying	2
Geol. 55. Rock Minerals and Rocks	2	Min. 106. Mine Surveying	2
Met. 101. Principles of Metallurgy	2	Min. 118. Mine Surveying (Field Trip)	1
Min. 101. Elements of Mining	3	Geol. 156. Mineragraphy	2
		Met. 102. Principles of Metallurgy	2
Total	19	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 151. Engineering Reports	3	Met. 106. Met. of Iron and Steel	1
Geol. 157. Geology of Ore Deposits	4	Met. 110. Metallurgical Calculations	1
Met. 109. Metallurgical Calculations	1	Met. 112. Ore Dressing (Lab.)	2
Met. 111. Ore Dressing	3	Met. 116. Non-Ferrous Metallurgy	2
Met. 115. Non-Ferrous Metallurgy	2	Met. 196. Thesis	3
Met. 117. Metallurgical Plant Design	2	Min. 108. Mine Rescue and First Aid	1
Min. 107. Mine Surveying (Lab.)	1	Min. 110. Mining Economics	2
Chem. 105. Physical Chemistry (Lectures)	2	Met. 194. Advanced Metallurgy	2
		Chem. 106. Physical Chemistry (Lectures)	2
		Elective	3
Total	18	Total	19

Total required for graduation, 146.

CURRICULUM IN MINING ENGINEERING

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 51. Qualitative Analysis	4	Chem. 52. Quantitative Analysis	4
C.E. 3a. Plane Surveying	3	C.E. 4. Topographic Surveying	3
E.E. 131. D. C. Machinery	3	C.E. 101. Mechanics (Dynamics)	2
Geol. 55. Rock Minerals and Rocks	2	E.E. 132. A. C. Machinery	2
Min. 101. Elements of Mining	3	Geol. 130. Geological Field Methods	2
Met. 101. Principles of Metallurgy	2	Met. 104. Fire Assaying	2
Geol. 121. Structural Geology	2	Min. 106. Mine Surveying	2
		Min. 118. Mine Surveying (Field Trip)	1
Total	19	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 151. Engineering Reports	3	Met. 106. Metallurgy of Iron and Steel	1
Geol. 131. Geological Field Methods	2	Met. 112. Ore Dressing (Lab.)	2
Geol. 157. Geology of Ore Deposits	4	Met. 116. Non-Ferrous Metallurgy	2
Met. 115. Non-Ferrous Metallurgy	2	Min. 114. Mine Rescue and First Aid	1
Min. 103. Mine Plant Design	2	Min. 110. Mine Economics	2
Min. 107. Mine Surveying (Lab.)	1	Min. 112. Mining Methods	2
Min. 113. Mine Ventilation	2	Min. 120. Advanced Mining	2
Met. 111. Ore Dressing	2	Min. 104. Mine Plant Design	2
		Min. 198. Thesis	2
		Elective	3
Total	18	Total	19

Total required for graduation, 146.

The School of Forestry

D. S. JEFFERS, PH.D.....*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.

The School of Forestry has exceptional advantages for developing technical 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 to sawmills, logging camps, virgin and cut-over forests in order that actual field work may be had.

A large arboretum, comprising more than 150 species of trees, is maintained adjoining the University campus for studies in dendrology and silvics. A 27-acre forest nursery is managed by the school for the production of planting stock for windbreaks, farm woodlots, and shade and ornament trees which are sold to the people of the State at cost of production. A tract of 6,900 acres of forest land located about 15 miles from the campus is used as an experimental and demonstration forest. Modern and well-equipped laboratories are provided by the school or by the affiliated colleges. The School of Forestry is especially well fitted for laboratory work in forest pathology, wood technology and wood chemistry. Greenhouse space is available for germinative tests and investigations in seedling growth. There are also two laboratories and a 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

Three curricula are offered in the School of Forestry leading to the degree of Bachelor of Science in Forestry. (For requirements for the degree of Master of Science in Forestry see the announcement of the Graduate School in Part III.) Each curriculum is designed to prepare men for work within one broad field of forestry.

FOREST PRODUCTION. The majority of the students elect the curriculum in "Forest Production" which is designed to give a thorough fundamental training in forestry and in the basic sciences utilized by forestry. Liberal choice in electives permits the student, beginning in the second semester of his junior year, to pursue further studies in any field of forestry in which he may be interested, such as forest pathology, logging, further emphasis on forest production, or others. Although specialization is not possible in the four-year curriculum, the electives permit the laying of a foundation for future

specialization. Recommended electives in some of the various fields of forestry are listed following the outline of the "Forest Production" curriculum. This curriculum prepares students for work in the U. S. Forest Service, with state governments and in private forestry.

WOOD UTILIZATION. The curriculum in "Wood Utilization" is designed to prepare men for service in lumber manufacturing and other wood-using industries as technicians, investigators, or, ultimately, as administrators. A thorough basic training in the physical sciences, engineering, and the wood technology and utilization phases of forestry, together with a general knowledge of economics and forest production, is required of all students electing this curriculum. However, opportunity through electives is given the student to emphasize the technical phases of lumber production and wood utilization or the business phases of utilization, as illustrated by the groups of recommended electives following the outline of the curriculum in "Wood Utilization."

RANGE MANAGEMENT. The curriculum in "Range Management" is designed to prepare students for all lines of research and administrative grazing work with the U. S. Forest Service, Soil Conservation Service, Taylor Act Administration and livestock companies. Work in grazing has recently become very important and the demand for capable men trained in range management exceeds the supply.

All courses listed in the curricula outlines, except electives, must be taken by the student for graduation. The choice of electives is not restricted to those listed but so far as possible should be made from the recommended lists. The choice of electives must meet the approval of the dean and the major professor in each case. The number of elective credits listed in any semester is the minimum number required; additional credits may be elected by students who have attained high standards of scholarship. Except by special permission, however, no student may enroll in one semester for more than 20 credits nor for less than the regular schedule. No course numbered above 100 may be taken by freshmen and sophomores. Effective for students who entered in September, 1935, 143 credits are required for graduation*. 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
Bot. 1.	General Botany	4	Bot. 2.	General Botany	4
C.E. 1.	Engineering Drafting	3	Eng. 2.	English Composition	3
Eng. 1.	English Composition	3	For. 4.	Forestry Problems	2
For. 1.	General Forestry	2	For. 10.	Dendrology	4
Math. 1.	Freshman Mathematics	4	Math. 2.	Freshman Mathematics	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		19

nnouncement: Effective for new students who enter September, 1937, summer camp attendance for 11 weeks will be required between the freshman nd sophomore years.

CURRICULUM FOR FOREST PRODUCTION

SOPHOMORE YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
C.E.	3a. Plane Surveying	3	C.E.	4. Topographic Surveying	3
Chem.	1. General Chemistry	4	Chem.	2. General Chemistry	4
Econ.	51n. Principles of Economics	3	Econ.	52. Principles of Economics	3
For.	27. Silvics	2	For.	28. Forest Planting	2
Mil.	3. Sophomore Military	1½	Mil.	4. Sophomore Military	1½
Phys.	3. General Physics	4	Phys.	4. General Physics	4
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
Bot.	101. Plant Physiology	4	For.	124. Silviculture	4
For.	131. Wood Technology	4	For.	144. Forest Mensuration	4
For.	143. Forest Mensuration	3	For.	164. Forest Pathology	3
For.	151. Range Management	3	For.	174. Forest Economics	3
Geol.	1. Introductory Geology	4	Electives		4
Total		18	Total		18

SENIOR YEAR

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
For.	101. Field Trip	1	For.	136. Wood Industries	4
For.	133. Logging	3	For.	176. Forest Management	2
For.	167. Fire Prevention and Control	3	For.	186. Forest Policy and Administration	3
For.	175. Forest Management	3	Electives		8
Electives		7			
Total		17	Total		17

Total credits 143
Required Forestry credits 55

RECOMMENDED ELECTIVES

FOREST PRODUCTION

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Bot.	105. Plant Ecology	3	Agr.	52. General Soils	4
Ent.	101. General Entomology	3	Bot.	102. Plant Physiology	4
For.	125. Advanced Silviculture	2	For.	152. Advanced Range Management	3
For.	194. Forestry Studies	2-4	For.	182. Forest Improvements	2
			For.	190. Forest Research Methods	2
			For.	194. Forestry Studies	2-4

BUSINESS ASPECTS OF FORESTRY

Bus.	81. Principles of Accounting	3	Bus.	82. Principles of Accounting	3
Bus.	165. Business Law	3	Bus.	124. Financial Administration	3
Bus.	193. Business Conditions	3	Bus.	166. Business Law	3
Econ.	105. Money and Banking	3	Bus.	194. Business Conditions	3

SOIL CONSERVATION

Agron.	157. Soil Physics	3	Agron.	52. General Soils	4
Bot.	53. Systematic Botany	3	Agron.	154. Origin and Classification of Soils	3
For.	155. Erosion	3	Geol.	2. Historical and Physical Geology	4
Geol.	101. Advanced Physiography	3	Phys.	106. Meteorology	3

GENERAL ELECTIVES

Bus. 113. Statistics	3
Chem. 51. Qualitative and Gravimetric Analysis	4
Eng. 155. Technical Writing	3
For. 135. Chemical Utilization of Wood	3
For. 159. Game Management	3
P.P. 101. General Plant Pathology	3
Zool. 151. Photographic Technique	2
German or French	3-4

Bot. 54. Systematic Botany	3
Chem. 52. Quantitative Analysis	4
Eng. 155. Technical Writing	3
For. 166. Wood Products Pathology	3
P.P. 102. Methods in Plant Pathology	2
Zool. 1. General Zoology	4
Zool. 152. Photographic Technique	2
German or French	3-4

CURRICULUM FOR WOOD UTILIZATION

SOPHOMORE YEAR

FIRST SEMESTER

Course	Credits
Bus. 81. Principles of Accounting	3
Chem. 1. General Chemistry	4
Math. 51. Calculus	4
Mil. 3. Sophomore Military	1½
Phys. 11. Engineering Physics	5
P.E. 33. Sophomore Sports	½
Total	18

SECOND SEMESTER

Course	Credits
Chem. 2. General Chemistry	4
C.E. 2. Descriptive Geometry	3
Math. 52. Calculus	4
Mil. 4. Sophomore Military	1½
Phys. 12. Engineering Physics	5
P.E. 33. Sophomore Sports	½
Total	18

JUNIOR YEAR

FIRST SEMESTER

Course	Credits
Econ. 51n. Principles of Economics	3
Eng. 155. Technical Writing	3
For. 131. Wood Technology	4
For. 141. Forest Measurements	1
M.E. 121. Thermodynamics	3
Electives	4
Total	18

SECOND SEMESTER

Course	Credits
C.E. 6. Mechanics (Statics)	2
Econ. 52. Principles of Economics	3
For. 136. Wood Industries	4
For. 174. Forest Economics	3
M.E. 128. Mechanical Engineering Laboratory	2
Electives	3
Total	17

SENIOR YEAR

FIRST SEMESTER

Course	Credits
C.E. 103. Mechanics of Materials	3
C.E. 109. Materials Testing Laboratory	1
E.E. 131. D. C. Machinery	3
For. 101. Field Trip	1
For. 133. Logging	3
For. 135. Chemical Utilization of Wood	3
Electives	4
Total	18

SECOND SEMESTER

Course	Credits
E.E. 132. A. C. Machinery	2
For. 166. Wood Products Pathology	3
For. 186. Forest Policy and Administration	3
For. 198. Utilization Studies	3
Electives	6
Total	17

Total credits 143
Required Forestry credits 36

RECOMMENDED ELECTIVES

LUMBER AND ALLIED INDUSTRIES

FIRST SEMESTER

Course	Credits
C.E. 101. Mechanics (Dynamics)	2
M.E. 3. Machine Shop	2
M.E. 5. Machine Drawing	2
M.E. 13. Mechanism	3

SECOND SEMESTER

Course	Credits
Bus. 134. Industrial Management	3
C.E. 104. Hydraulics	3
M.E. 122. Thermodynamics II	3
M.E. 124. Machine Design	2

CHEMICAL UTILIZATION

Chem. 51. Qualitative and Gravimetric Analysis	4
Chem 101. Organic Chemistry	4
C.E. 104. Hydraulics	3
Chem. 52. Quantitative Analysis	4
Chem. 102. Organic Chemistry	4
Chem. 108. Industrial Chemistry	2

BUSINESS ASPECTS OF UTILIZATION

Bus. 165. Business Law	3
Bus. 193. Business Conditions	3
Econ. 105. Money and Banking	3
Bus. 124. Financial Administration	3
Bus. 134. Industrial Management	3
Bus. 166. Business Law	3
Bus. 194. Business Conditions	3

GENERAL ELECTIVES

Bot. 101. Plant Physiology	4
Bus. 167. Government Regulation of Business	3
German or French	3-4
C.E. 3b. Plane Surveying	2
Econ. 112. Labor Problems	3
Econ. 152. Advanced Economic Theory	3
For. 176. Forest Management	2
For. 190. Forest Research Methods	2
Math. 102. Mathematics of Statistics	3
German or French	3-4

CURRICULUM FOR RANGE MANAGEMENT

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
A.H. 1. Livestock Industry	3	Bot. 54. Systematic Botany	3
Bot. 53. Systematic Botany	3	Chem. 2. General Chemistry	4
Chem. 1. General Chemistry	4	C.E. 4. Topographic Surveying	3
C.E. 3a. Plane Surveying	3	Econ. 52. Principles of Economics	3
Econ. 51n. Principles of Economics	3	For. 28. Forest 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	18	Total	17

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bot. 101. Plant Physiology	4	Agr. 52. General Soils	4
For. 27. Silvics	2	Bot. 102. Plant Physiology	4
For. 151. Range Management	3	Chem. 54. Carbon Compounds	3
Phys. 3. General Physics	4	For. 100. Field Trip	1
Geol. 1. Introductory Geology	4	For. 152. Advanced Range Management	3
		Phys. 4. General Physics	4
Total	17	Total	19

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Zool. 1. General Zoology	4	A.H. 142. Range Livestock Management	2
Bot. 105. Plant Ecology	3	For. 174. Forest Economics	3
For. 143. Forest Mensuration	3	For. 186. Forest Policy and Administration	3
For. 155. Erosion	3	Electives	9
For. 167. Fire Prevention and Control	3		
Electives	2		
Total	18	Total	17

Total credits 143
Required Forestry credits 34
(Required Botany credits ..... 25)

RECOMMENDED ELECTIVES

SOIL CONSERVATION

FIRST SEMESTER			SECOND SEMESTER		
Course		Credits	Course		Credits
Agron.	157. Soil Physics	3	Agron.	154. Origin and Classification of Soils	3
Geol.	101. Advanced Physiography	3	Geol.	2. Historical and Physical Geology	4
			Phys.	106. Meteorology	3

GENERAL ELECTIVES

Ag.Econ.	103. Agricultural Economics	3	Ag.Econ.	150. Land Economics	3
Agron.	1. General Crop Production	4	A.H.	70. Sanitary Science	1
Agron.	101. Genetics	4	A.H.	106. Animal Nutrition	3
Bus.	81. Principles of Accounting	3	Eng.	155. Technical Writing	3
Bus.	113. Statistics	3	For.	124. Silviculture	4
Ent.	101. General Entomology	3	For.	164. Forest Pathology	3
For.	159. Game Management	3	For.	176. Forest Management	2
For.	175. Forest Management	3	For.	182. Forest Improvements	2
For.	196. Range Problems	2-4	For.	190. Forest Research Methods	2
P.P.	101. General Plant Pathology	3	For.	196. Range Problems	2-4
Zool.	151. Photographic Technique	2	Zool.	152. Photographic Technique	2

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 of 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 10 credits in Education, may receive a state elementary certificate upon recommendation of the 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

Course	Credits
Ed. 11. Student Problems	1
Ed. 107. History of Education	3
Ed. 108. Educational Sociology	3
Ed. 113. Secondary Education	3
Ed. 114. High School Methods	3
Ed. 131. Practice Teaching*	3 or 4
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, Journalism, Latin, Mathematics, Manual Training, Music, Physical Education, Political Science and Sociology, Philosophy, Physics, Psychology, Spanish, Zoology, and electives sufficient to total 128 semester hours.

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. If history is elected it should include both American and European.

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

CURRICULUM IN COMMERCIAL EDUCATION

In addition to the courses required of all students in the School of Education as outlined above the following courses constitute the curriculum in Commercial Education:

Course	Credits
Econ. 51n-52. Principles of Economics	6
Bus. 15n-16. Gregg Shorthand	6-8
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	4
Eng. 153. Business Writing	3
Geol. 12. Economic Geography	3
Electives in Economics or Business	9

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

As a part of general preparation the following electives are recommended:
Ed. 115. Educational Guidance
Eng. 31-32. Fundamentals of Speech
Eng. 13-14. Modern Literature
Psych. 117. Psychological Methods

CURRICULUM IN PHYSICAL EDUCATION FOR WOMEN

In addition to the courses required of all students in the School of

*Those who have had satisfactory experience in teaching may substitute an elective in Education for Practice Teaching.
Students in Public School Music take Ed. 131a, 4 credits—one under the direction of the instructor in school music.
Students in Commercial Education take Ed. 131b, 4 credits—one under the direction of the instructor in commercial methods.

Education as outlined above the following courses constitute the curriculum in Physical Education for Women:

Course		Credits
Zool.	1. General Zoology	4
Zool.	6. Physiology	3
Zool.	55-56. The Human Body	4
P.E.	9-10. Beginning Dancing	2
P.E.	11. Danish Gymnastics	1
P.E.	12. Apparatus and Tumbling	1
P.E.	15-16. Folk Dancing	2
P.E.	17-18. Individual and Leisure Time Sports	2
P.E.	19-20. Women's Athletics	2
P.E.	21-22. Clog and Tap Dancing	2
P.E.	47. History of P.E.	2
P.E.	102. Playground and Community Recreation	2
P.E.	109-110. Advanced Dancing	2
P.E.	121. *Teaching Corrective Gymnastics	2
P.E.	122. *Teaching of Hygiene	2
P.E.	125-126. Management of Women's Athletics	4
P.E.	127-128. 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 in the School of Education as outlined above the following courses constitute the curriculum in Physical Education for Men:

Course		Credits
Bact.	54. Public Health and Hygiene	3
P.E.	41-42. Freshman Activities	4
P.E.	43-44. Sophomore Activities	4
P.E.	47. History of Physical Education	2
P.E.	21-22. Clog and Tap Dancing	2
P.E.	99. Methods of Coaching Track	2
Zool.	1. General Zoology	4
Zool.	6. Physiology	3
Zool.	55-56. The Human Body	4
P.E.	102. Playground and Community Recreation	2
P.E.	131. Methods of Teaching Health and Physical Education	2
P.E.	141. Methods of Coaching Basketball	2
P.E.	142. Methods of Coaching Baseball	2
P.E.	144. Methods of Coaching Football	2
P.E.	171. Principles of Physical Education	2
P.E.	181. Physical Education Tests and Measurements	2
P.E.	185. Physiology of Exercise	2
P.E.	187. Intramural Athletics	2
P.E.	188. First Aid	2
P.E.	196. Organization and Administration	3
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.	107. History of Education	3
Ed.	113. Secondary Education	3
Ed.	55. Idaho Law, Manual, and Civics	2
Mus.	1-2. Sight Singing and Ear Training	4
Mus.	3. Orientation in Music	2
Mus.	4. Elementary Harmony	2
Applied Music—Major Field		16
	Minor Field	4
Ensembles (35-36 or 45-46)		4
Mus.	11-12. Sight Singing and Ear Training	4
Mus.	5-6. Advanced Harmony	6
Mus.	13-14. Keyboard Harmony	2
Mus.	101-102. History of Music	4
Mus.	103-104. Form and Analysis	4
Mus.	111-112. Instrumentation	4
Mus.	132. Voice Class Methods	2
Mus.	171-172. Elementary School Music	4
Mus.	173-174. Class String Instrument Teaching	2
Mus.	175-176. Class Wind Instrument Teaching	2
Mus.	177. Jr. and Sr. H. S. Music Methods	3
Mus.	179. Choral Conducting	2
Mus.	180. Orchestra Conducting	2

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

*Offered only in alternate years; therefore, special attention must be paid to taking P.E. 121-122 in the junior year.

AGRICULTURAL EDUCATION

Students in the College of Agriculture may secure state certificates by completing 15 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. 154. Methods in Teaching Farm Shop and Farm Mechanics	2
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 in Home Ec.	4

The School of Business Administration

RALPH HUNTER FARMER, A.B.....*Dean of the School*
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

For a statement of the requirements for admission to the University from high school or secondary school, 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 II.

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.

BUSINESS CURRICULUM IN JUNIOR COLLEGE

Students who plan to enter the School of Business Administration should enroll in the business curriculum (See page 101) in the University Junior College or in the Southern Branch.

THE FIVE MAJORS

GENERAL BUSINESS.—This major is intended for those students who prefer all-around training in business to specialization in one field. Because of its importance 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 wish-

ing 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.

COMBINATION CURRICULUM IN BUSINESS AND LAW

For students who want a fundamental training in both business and law, a combination curriculum is available. Students in this curriculum register in the Junior College for the first two years, in the School of Business Administration for the third, and in the College of Law for the last three. The degree of Bachelor of Science in Business is conferred upon the completion of the required courses of the first four years and the degree of Bachelor of Laws at the end of the full six years. The courses to be taken in the first two years in the Junior College are stated on page 101. The requirements of the third and fourth years are outlined among the curricula listed below. The fifth and sixth years, which are the same as the second and third years of the College of Law curriculum, may be found on page 72.

JUNIOR YEAR

FIRST SEMESTER	
Course	Credits
Bus. 113. Statistics	3
Bus. 169. Marketing	4
Bus. 181. Advanced Accounting	3
Econ 105. Money and Banking	3
Law 101n. Contracts	3
Total	16

SECOND SEMESTER	
Course	Credits
Bus. 124. Financial Administration	3
Bus. 182. Advanced Accounting	3
Econ. 106. Money and Banking	3
Bus. or Econ. Elective	3
Law 102. Contracts	3
Elective	1
Total	16

SENIOR YEAR

FIRST SEMESTER	
Course	Credits
Bus. 193. Business Conditions	3
Law 105n. Criminal Law and Procedure	3
Law 107. Court Organization	2
Law 109. Civil Procedure	3
Law 111n. Property	3
Total	14

SECOND SEMESTER	
Course	Credits
Econ. 152. Advanced Economic Theory	3
Law 106. Criminal Law and Procedure	2
Law 112. Property	3
Law 116. Torts	5
Law 120. Legal Bibliography	1
Total	14

DEGREE

The degree, Bachelor of Science in Business, B.S.(Bus.), is conferred on all students satisfactorily completing any one of the five majors in the School of Business Administration or the first four years of the combined Business and Law Curriculum. In addition, the requirements for admission to the School of Business Administration as stated above must be satisfied.

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	
Course	Credits
Econ. 113. Statistics	3
Bus. 181. Advanced Accounting	3
Bus. 185n. Cost Accounting	2
Econ. 105. Money and Banking	3
Law 101n. Contracts	3
Elective	2
Total	16

SECOND SEMESTER	
Course	Credits
Bus. 124. Financial Administration	3
Bus. 182. Advanced Accounting	3
Bus. 186. Cost Accounting	2
Econ. 106. Money and Banking	3
Law 102. Contracts	3
Elective	2
Total	16

SENIOR YEAR

FIRST SEMESTER	
Course	Credits
Bus. 169. Marketing	4
Bus. 183. Auditing	3
Bus. 187. C.P.A. Problems	2
Eng. 153. Business Writing	3
Law 265. Business Associations	4
Total	16

SECOND SEMESTER	
Course	Credits
Bus. 184. Income Tax Accounting	3
Bus. 188. C.P.A. Problems	2
Econ. 152. Advanced Economic Theory	3
Bus. or Econ. Elective	3
Elective	5
Total	16

COMMERCE

JUNIOR YEAR

FIRST SEMESTER	
Course	Credits
Bus. 107. Transportation	3
Bus. 113. Statistics	3
Bus. 169. Marketing	4
Bus. 181. Advanced Accounting	3
or	
Bus. 185n. Cost Accounting	2
Econ. 105. Money and Banking	3
Elective	1-0
Total	16

SECOND SEMESTER	
Course	Credits
Bus. 124. Financial Administration	3
Bus. 132. Sales Management	3
or	
Bus. 141. Foreign Trade	3
Bus. 182. Advanced Accounting	3
or	
Bus. 186. Cost Accounting	2
Econ. 106. Money and Banking	3
Elective	5-4
Total	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		
Total	16	Total	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		
Total	16	Total	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bus. 165. Business Law	3	Bus. 166. Business Law	3
Bus. 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
Total	16	Total	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
Total	16	Total	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 Economics Elective	3	Econ. 152. Advanced Economic Theory	3
Elective	4	Elective	4
Total	16	Total	16

SECRETARIAL

JUNIOR YEAR

FIRST SEMESTER	
Course	Credits
Bus. 81. Accounting	3
Bus. 169. Marketing	4
Econ. 105. Money and Banking	3
Eng. 153. Business Writing	3
Elective	3

SECOND SEMESTER	
Course	Credits
Bus. 76. Office Practice and Procedure	2
Bus. 82. Accounting	3
Bus. 106. Money and Banking	3
Business and Economics Elective	3
Elective	5
Total	16

SENIOR YEAR

FIRST SEMESTER	
Course	Credits
Bus. 113. Statistics	3
Bus. 165. Business Law	3
Business and Economics Elective	6
Elective	4
Total	16

SECOND SEMESTER	
Course	Credits
Bus. 124. Financial Administration	3
Bus. 162. Office Management	2
Bus. 166. Business Law	3
Econ. 152. Advanced Economic Theory	3
Elective	5
Total	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*
EDWIN CORNELIUS JAHN, PH.D.....*Associate Professor of Forestry*
JOHN HUGO JOHNSON, E.E.....*Professor of Electrical Engineering*
ARTHUR WILLIAM FAHRENWALD, MET.E.....*Dean of the School of Mines*
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 of 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; and (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 35 departments offer majors towards 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, how-

ever, 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 Metallurgical Engineering, M.S.(Met.E.); Master of Science in Mining Engineering, M.S.(E.M.); Master of Science in Geological Engineering, M.S.(Geol.E.); 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.), Metallurgical Engineer (Met.E.), and Geological Engineer (Geol.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 regulation 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 should be submitted from each institution at which work was taken well in advance of the student's expected registration. Formal application for admission requires conference with the major professor and can best be completed after arrival on the campus.

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 twenty-four semester credits is required for the master's degree; of these at least sixteen credits must be graduate in character (courses numbered above 200) and the remainder may be in courses classified as advanced undergraduate (courses numbered 100-199). However, upon the approval of the major professor and the graduate council, majors in education may qualify for the master's degree by thirty semester credits and a professional paper in lieu of the thesis.

Not less than twelve credits shall be in the major subject, and either one or two minors shall be taken in related subjects. Not less than six credits shall constitute a minor.

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 requirement 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.—The student should decide upon the subject of his thesis or professional paper 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 or profesional paper title, approved by his major professor, with the dean of the Graduate School at the close of his first summer term. The thesis or professional paper 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, except candidates for the degree of master of music who may give a public recital in lieu of an oral examination. 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 or professional paper 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 requirements.

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). The grade of P (passed) may be reported in place of A or B only. 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 residence 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 at 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 requirements by four summer sessions of not less than six weeks each. If the student chooses to write a professional paper rather than a thesis, he must either attend an additional summer session or carry on individual *in absentia* work during two academic 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 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 or professional paper for the library.

University Junior College

ADMINISTRATIVE COUNCIL

THOMAS STONER KERR, LL.B.....*Professor of Political Science and Business Law, Dean*
EUGENE TAYLOR, M.A., *Professor of Mathematics*.....*Secretary*
CURTIS 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, Economics, European History, Philosophy, Political Science, and Sociology.
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 45 to 54.

Students who intend to enter the College of Law should consult the statements on page 31, as well as the statement regarding admission to the combined course B.A., and LL.B., on page 50, also the combined courses leading to the degree B.S. (Bus.) and LL.B. on page 90.

The Junior College curriculum is intended to be sufficiently elastic to serve the best interests of the student. Needed adjustments 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

*See "Specific Degree Requirements," page 41.

BUSINESS CURRICULUM IN JUNIOR COLLEGE

The School of Business Administration is a senior college, and enrolls only students who have completed two years of study in the University of Idaho or in other accredited colleges or universities. The program of courses to be taken by pre-business students during their first two years follows:

FRESHMAN YEAR		
Course	Credits First Sem.	Sec. Sem.
Bus. 27. Business Organization		
or		
Shorthand	3-4	
Geol. 12. Economic Geography		
or		
Shorthand		3-4
Eng. 1-2. English Composition	3	3
European History	3	3
Botany, Chemistry, Physics, Zoology, or Mathematics	4	3-4
Military and Physical Education	2	2
Electives	0-1	0-1
	16	16

SOPHOMORE YEAR		
Course	Credits First Sem.	Sec. Sem.
Bus. 81-82. Principles of Accounting		
or		
Shorthand	3-4	3-4
Econ. 51n-52. Principles of Economics	3	3
Eng. 17-18. Intro. to Literature		
or		
Eng. 13-14. Modern Literature	3	3
Social Science or Psychology	3-4	3-4
Military and Physical Education	2	2
Electives*	0-2	0-2
	16	16

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

COMBINED LAW AND BUSINESS CURRICULUM IN JUNIOR COLLEGE

The College of Law and the School of Business Administration offer a combined six-year curriculum leading to the degree of B.S.(Bus.) at the end of four years and to the degree of LL.B. at the end of six years. Details with respect to this combination curriculum may be found on page 90. Students in this curriculum register in the Junior College for the following program of courses in their first two years:

FRESHMAN YEAR		
Course	Credits First Sem.	Sec. Sem.
Bus. 27. Business Organization	3	
Geol. 12. Econ. Geography		3
Eng. 1-2. English Composition	3	3
History		
or		
Political Science	3	3
Hist. 57-58. English Constitutional History	2	2
Botany, Chemistry, Physics, Zoology, or Mathematics	4	4
Military and Physical Education	2	2
	17	17

SOPHOMORE YEAR		
Course	Credits First Sem.	Sec. Sem.
Bus. 81-82. Principles of Accounting	3	3
Econ. 51n-52. Principles of Economics	3	3
Eng. 13-14. Modern Literature		
or		
Eng. 17-18. Introduction to Literature	3	3
History, Political Science, Philosophy, or Psychology	3-4	3-4
Military and Physical Education	2	2
Electives*	2-3	2-3
	17	17

*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.

COMBINED SIX-YEAR CURRICULUM FOR THE DEGREES OF B.A. AND LL.B.

For the general requirements of the degree of Bachelor of Arts, see page 43. For the first year of Law, see College of Law section, (Part III).

PREREQUISITES

The Junior College curriculum and fulfilment of the language requirement for the B.A. degree.

SPECIAL CURRICULA

MUSIC

The Bachelor of Music degree, given in the 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. Orientation in Music	2	
Mus. 4. Elementary Harmony		2
Applied Music	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. Introduction to Literature	3	3
Mus. 5-6. Second Year Harmony	3	3
Mus. 11-12. Sight Singing and Ear Training	2	2
Mus. 13-14. Keyboard Harmony	1	1
Applied Music	6	6
P.E. (Women)	1	1
Mil. and P.E. (Men)	2	2
	16-17	16-17

Students with a major interest in music also have 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, including the prerequisites for senior college music courses, but will be required to take only four credits of natural science. (See page 51).

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 page 49.

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		3-2

SOPHOMORE YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Eng. 17-18. Introduction to Literature or Eng. 13-14. Modern Literature	3	3

Course	Credits	
H.Ec. 11n-12. Art Structure	2	2
P.E. (Elective)	1	1
Social Studies	3	3
Zool. 1. General Zoology		
or		
Bot. 3. Principles of Botany	4	
Zool. 6. Physiology		3
Elective	2	2
	17	17-16

Course	Credits	
Chem. 1-2. General Chemistry	4	4
H.Ec. 65. Costume Design	2	
H.Ec. 4. Experimental Cookery		3
P.E. (Elective)	1	1
H.Ec. 35. Home Nursing	2	
H.Ec. 82. House Construction		2
Elective	4	3
	16	16

Students who pass 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. Ed. 59, Principles of Teaching, should also be elected in the sophomore year by students who expect to teach.

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 49.

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		3-2
P.E. (Elective)	1	1
Social Studies	3	3
Chem. 1-2. General Chemistry	4	4
	15	16-15

SOPHOMORE YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Eng. 17-18. Introduction to Literature		
or		
Eng. 13-14. Modern Literature	3	3
Chem. 51. Qualitative and Gravimetric Analysis	4	
Chem. 52. Quantitative Analysis		4
P.E. (Elective)	1	1
Zool. 1. General Zoology		
or		
Bot. 3. Principles of Botany	4	
Zool. 6. Physiology		3
H.Ec. 35. Home Nursing	2	
H.Ec. 4. Experimental Cookery		3
Electives	3	3
	17	17

Students who pass 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-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 to the degree of Bachelor of Science in Pre-

Medical Studies, see page 49.

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)
	16-17	16-17

PRE-NURSING CURRICULUM

For the third and fourth years leading to the degree of Bachelor of Science in Pre-Nursing studies, see page 53.

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. (Elective)	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. (Elective)	1	1
Electives		4
	16	16

PRE-DENTAL CURRICULUM

Although no special curriculum has been outlined, students interested in qualifying for admission to dental school may arrange to complete in the Junior College the specific courses required for admission to the dental school of their choice.

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
History or Philosophy	3	3
Language, Mathematics, or Science	4	4
Bus. 15n-16. Shorthand and Typewriting	4	4
P.E. (Women)		
Mil. and P.E. (Men)	2	2
	16	16

SOPHOMORE YEAR

Course	Credits First Sem.	Credits Sec. Sem.
Bus. 71-72. Intermediate Dictation and Typewriting	4	4
Bus. 76. Office Practice and Procedure		2
Bus. 81-82. Accounting	3	3
Economics, Political Science, or Sociology	3	3
P.E. (Women)	1	1
Mil. and P.E. (Men)	(2)	(2)
Elective	4	2
	15-16	15-16

The Southern Branch

JOHN R. NICHOLS, PH.D.....*Executive Dean*
ERNEST J. BALDWIN, PH.D.....*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 College of Pharmacy*

THE Southern Branch of the University of Idaho was established as such by the Nineteenth Session of the State Legislature in 1927. Section 1110 of the Idaho Compiled Statutes was amended to read:

> A college which shall be called the "Southern Branch of University of Idaho," heretofore called the "Idaho Technical Institute," is hereby established in the City of Pocatello, Idaho, the purpose of which shall be the giving of instruction, as nearly as is practicable, equivalent to the first two years, as prescribed for the Universty of Idaho, in such vocational, scientific, literary and technical subjects as will meet the educational needs of the students enrolled: . . .and Provided further, That as to the school of pharmacy in said college, the course shall be such as shall meet the standard of requirements as now, or hereafter, recommended by the American Association of Colleges of Pharmacy.

The predecessor of the Southern Branch of the University of Idaho, the Idaho Technical Institute, was established by the action of the legislature in 1915. The forerunner of the Technical Institute was the Academy of Idaho, established by the State at Pocatello in 1901. In 1930 the School of Pharmacy inaugurated a four-year curriculum as recommended by the American Association of Colleges of Pharmacy, 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 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, provided they have sufficient credits in courses acceptable to that division. (See requirements for admission to the College of Law, page 31.)

Students who choose to transfer to another curriculum upon entering the junior year of the University will 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 at Moscow.

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

EUGENE O. LEONARD, M.S., *Professor of Pharmacy and Director of the College of Pharmacy*
B.S., Whitman College; Ph.G., Ph.C., Northwestern University; M.S., Utah State Agricultural College.

EMMONS E. ROSCOE, M.S.....*Assistant Professor of Pharmacy*
Ph.G., Ph.C., Idaho Technical Institute; B.S., M.S., University of Denver.

ERNEST BEALS, M.S.(Phar.).....*Assistant Professor of Pharmacy*
B.S.(Phar.), M.S.(Phar.), Oregon State College.

DOROTHY D. FARIS, M.A., *Assistant Professor of Bacteriology and Instructor in Pharmacy*
B.A., Wellesley College; M.A., Mount Holyoke College; B.S.(Phar.), Southern Branch of the University of Idaho.

*RAYMOND E. DERRIG.....*Instructor in Pharmacy*
Ph.G., B.S.(Phar.), Southern Branch, University of Idaho.

The College of Pharmacy offers a four-year curriculum leading to the degree of Bachelor of Science in Pharmacy. This curriculum complies with the recommendations of the American Association of Colleges of Pharmacy, as provided by action of the Nineteenth Idaho

*1935-36.

Legislature at the time it created the Southern Branch of the University of Idaho. The curriculum in Pharmacy was established in September 1920, before the Idaho Technical Institute became the Southern Branch.

THE AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY—The College of Pharmacy of the Southern Branch of the University of Idaho holds membership in the American Association of Colleges of Pharmacy. The object of this association is the promotion of pharmaceutical education. All institutions holding membership in this association must maintain certain minimum requirements for entrance and graduation.

REGISTRATION IN THE STATE OF IDAHO—Candidates for registration in pharmacy in the State of Idaho must be graduates of a recognized pharmacy school and have had one year of practical experience in a drug store.

PRE-MEDICAL STUDENTS—Pre-medical students, by enrolling in the pharmacy curriculum and carefully selecting their electives may complete the pre-medical requirements and at the same time secure a B.S. (Phar.) degree. However, students who plan to stay only two years at the Southern Branch should enroll in the regular pre-medical curriculum of the Division of Letters and Science. It should be remembered that more and more of the medical schools are selecting their students from those who have had three and even four years of pre-medical preparation. Some medical schools require a bachelor's degree for entrance.

REQUIREMENTS FOR GRADUATION—A student, in order to be eligible for graduation must have grades of "C" or above in three-fourths of the credits required in his curriculum and received in residence and an average grade of at least "C" (4.000). A total of 138 credit hours is required for graduation.

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. If the student's term of residence in the University is but one year, this must be the senior year.

A year's work is interpreted as one-fourth of the total number of credits required for graduation.

Students who expect to receive a degree should, at the beginning of their last semester, file a petition to be admitted as a candidate.

PHARMACY CURRICULUM

FRESHMAN YEAR

FIRST SEMESTER

Course	Credits
Bot. 9. Gen. Phar. Botany	4
Chem. 1. General Chemistry	4
Eng. 1. English Composition	3
Math. 1. Freshman Mathematics	4
Phar. 1. History of Pharmacy	2
P.E. Physical Education	1
	18

SECOND SEMESTER

Course	Credits
Chem. 2. General Chemistry	4
Eng. 2. English Composition	3
Math. 2. Freshman Mathematics	4
Phar. 12. Theory of Pharmacy	4
Phar. 54. Pharmaceutical Technique	1
P.E. Physical Education	1
	17

SOPHOMORE YEAR

FIRST SEMESTER		Credits
*Chem. 51. Inorganic Chemistry or Ph. Chem. 61. Quant. Ph. Chem.		4
Econ. 51n. Principles of Economics		3
Phar. 2. Pharmaceutical Latin		2
Phar. 41. Operative Pharmacy		4
Zool. 1. General Zoology		4
P.E. Physical Education		1
		18

SECOND SEMESTER		Credits
*Chem. 52. Inorganic Chemistry or Ph. Chem. 62. Quant. Ph. Chem.		4
Econ. 52. Principles of Economics		3
Phar. 104. Pharmaceutical Jurisprudence		2
Phar. 42. Operative Pharmacy		4
Zool. 6. Physiology		3
P.E. Physical Education		1
		17

JUNIOR YEAR

FIRST SEMESTER		Credits
Bact. 51. General Bacteriology		4
Chem. 101. Organic Chemistry		5
Phar. 157. Commercial Pharmacy		3
Ph'cog. 131. Gen. and Mac. Ph'cog.		3
*Language or Electives		3-4
		18-19

SECOND SEMESTER		Credits
Chem. 102. Organic Chemistry		3
Phar. 56. Public Health or Bact. 104. Pathogenic Bacteria		3-4
Phar. 4. Phar. Calculations		3
Phar. 158. Commercial Pharmacy		3
Ph'cog. 132. Gen. and Mac. Ph'cog.		3
*Language or Electives		3
		18-19

SENIOR YEAR

FIRST SEMESTER		Credits
Phar. 151. Dispensing		4
Phar. 153. Advanced Theory of Phar.		3
Ph'col. 161. Pharmacology		3
†Ph. Chem. 155. Quant. Phar. Chem.		2
*Physics or **Electives in Pharmacy		4-7
		16-19

SECOND SEMESTER		Credits
Phar. 152. Dispensing		3
Phar. 154. Advanced Theory of Phar.		4
Ph'col. 162. Pharmacology		4
Chem. 112. Bio-Chemistry, Zool. 4. Comparative Anatomy of Vert.		
*Physics or **Electives in Pharmacy		8
		19

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 are one-year curricula in auto-mechanics, aviation mechanics, carpentry and trade dressmaking. For outlines and descriptions of these courses, see the Southern Branch catalog.

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*Pharmacy students intending to complete the pre-medical requirements should take Chem. 51-52, Inorganic Chemistry in the Sophomore year, French or German in the Junior year, and Zoology or Physics in the Senior year.

**Suggested electives: Ph. Chem. 151, Organic Pharmaceutical Preparations; Ph. Chem. 152, Inorganic Pharmaceutical Preparations; Ph. Chem. 154, Toxicology; Ph'col. 152, Microscopic Pharmacognosy; Ph'col. 163, Biological Therapeutics; Ph'col. 166, New and Non-Official Remedies.

†Ph. Chem. 155 is required of those students who complete Ph. Chem. 61 and 62. It may be elected by those students who have completed Chem. 51 and 52.

PART IV

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

The Agricultural Experiment Station

EDWARD JOHN IDDINGS, M.S.....*Director*
AUDELLA JOHNSON.....*Secretary of the Staff*
CHARLES WILLIAM HUNGERFORD, PH.D.....*Vice Director and Chairman of the Project Committee*
CLAUDE WAKELAND, PH.D.....*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 experiments bearing directly on the agricultural industry in the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories.

The Adams Act, approved March 16, 1906, doubled the original federal funds available for experimentation and research. The Hatch Act made possible the beginning of scientific investigation of problems peculiar to Idaho's agriculture; the Adams Act expressly sanctions and encourages original research along agricultural lines. The Purnell Act, approved February 24, 1925, provides, in the language of the law, "the more complete endowment and maintenance of the agricultural experiment stations." In attempting to interpret the will of the Congress in providing this additional support for research of interest and value to farmers, special attention is given to the study of problems in the 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 1935-1936 biennium the following funds were available for the work of the Agricultural Experiment Station: Federal appropriation, $180,000; State appropriation, $42,868.76; and local income from the several substations estimated at $29,727.

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 Chemistry, Agricultural

Economics, Agricultural Engineering, Agronomy, Animal Husbandry, Bacteriology, 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; breeding and management studies; a study of diseases of animals; experiments for the control of insect pests; breeding of forage crops; variety tests of wheat, oats, barley, peas, and potatoes; a study of chlorosis of plants; an investigation of alkali soils; pea germination studies; a study of vitamin efficiency of Idaho food plants; apple breeding; cherry cracking; fertilization of apple, cherry, and prune orchards; maturity and storage of apples and cherries; cherry pruning experiments; variety tests in vegetable growing; experiments for the control of potato diseases and bean mosaic; experiments in control of legume bugs on beans and alfalfa; spraying experiments on fruit insects; pea weevil, wireworm, and beet leaf hopper investigations, cooperating with United States Department of Agriculture; control of vegetable and truck crop insects; investigations of farm organization, livestock and crop management, and of marketing problems; land use; 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, Morrill Hall, Entomology Building, and the Dairy Building. An entomological field laboratory is maintained at Parma. Agricultural Engineering laboratories are located in the engineering shops. Greenhouse facilities are provided for such lines of investigation as require them. The college farm of 740 acres supports splendid herds of beef and dairy cattle, hogs, and sheep, from which individual animals are selected for experimental feeding purposes. This farm also provides experimental fields of ample dimensions for the use of the Departments of Agronomy, Chemistry, Horticulture, and Plant Pathology, and breeding pens for the Department of Poultry Husbandry.

Farming conditions within the State are so varied that it is necessary to conduct many lines of investigation away from the central station. The 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 small dairy herd and is used for investigations in animal feeding and diversified farmng. A feeding plant erected there in 1919 provides for 144 head of cattle and from 500 to 700 head of sheep. The High Altitude Substation at Tetonia conducts 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, including an Entomological Field Station at Parma, are maintained by means of field stations where most of the work is carried on during the summer. 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 219 bulletins, 74 circulars, 11 research bulletins, and 135 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 Uni-

versity, 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

ARTHUR WILLIAM FAHRENWALD, E.M., MET.E.....*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 Geological Survey and other governmental bureaus. The State and Federal bureaus employ metallurgical, mining 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.

Agriculture and Home Economics Extension

EDWARD JOHN IDDINGS, M.S.....*Director*
JOHN HENRY REARDEN.....*State County Agent Leader and State Club Leader*
MARION MARTHA HEPWORTH.....*State Home Demonstration Leader*

FOR many years the College of Agriculture of the University has rendered service to the farmers of the State through farmers' institutes, the publishing of bulletins and circulars, judging at fairs, answering 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. Offices of the field specialists are at Boise. The county extension agents number 28. General supervision of the county agents is under a County Agent Leader. Home demonstration agents are supervised by a State Home Demonstration 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 approximately 5,000 boys and girls in 1935. 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, 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 improvement. 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.

Cooperation with the Agricultural Adjustment Administration in production control programs during the past two years has brought greatly increased responsibility and volume of work to the Idaho Extension Service.

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 a $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 regulation 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 must be paid when enrolling for the course. **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 indi-

vidual 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 college (except that elementary courses in foreign languages may under certain conditions be so credited).

Courses marked with a "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 Economics	
C103.	Agricultural Economics	3
C119.	Marketing of Farm Products	3
	Agricultural Engineering	
C161.	Irrigation practice	2
	Agronomy	
C1.	General Crop Production	3
	Animal Husbandry	
C106.	Animal Nutrition	3
C133.	Swine Production	2
C135.	Sheep Production	2
	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

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
C122.	Advertising Layout	2

BACTERIOLOGY

C54.	Public Health and Hygiene	3

BOTANY

C1.	General Botany	3
C54.	Systematic Botany	3

BUSINESS ADMINISTRATION

C81.	Elementary Accounting	3
C82.	Elementary Accounting	3
C113.	Statistics	3
C165.	Business Law	3
C166.	Business Law	3
C169.	Marketing	4
C181.	Advanced Accounting	3
C182.	Advanced Accounting	3
C185n.	Cost Accounting	2
C186.	Cost Accounting	2
C187.	Income Tax Accounting	3
C191.	Methods in Commercial Teaching	3

THE CLASSICS IN ENGLISH

C53.	Scientific Terminology	2

ECONOMICS

C51n.	Principles of Economics	3
C52.	Principles of Economics	3
C105.	Money and Banking	3
C106.	Money and Banking	3

EDUCATION

C1.	Introduction to Education	2
C2.	School-Room Management	2
C55.	Idaho Law, Manual and Civics	2
C59.	Principles of Teaching	3
C107.	History of Education	3
C108.	Educational Sociology	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
C151.	Vocational Education	2

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
C130.	D.C. and A.C. Machinery-Theory	4
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
C175.	Readings in European Literature	2

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
C111.	Advanced Composition	2
C112.	Advanced Composition	2
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

GEOLOGY

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

GERMAN

C1n.	Elementary German	4
C2.	Elementary German	4
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

C13.	Classical Civilization	3
C14.	Classical Civilization	3
C55.	Nineteenth Century	3
C56.	Nineteenth Century	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
C101.	Horace	3
C107.	Teachers' Review of Latin	3
C108.	Teachers' Review of Latin	3
C124.	Teachers' Course	2

MATHEMATICS

C1.	Freshman Mathematics	4
C2.	Freshman Mathematics	4
C11.	Freshman Mathematics	5
C12.	Freshman Mathematics	5
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	3
C110.	Philosophy of Science	3

POLITICAL SCIENCE

C1.	American Government	3
C2.	American Government	3
C75.	State Government in the United States	3
C76.	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	3
C151.	Psychology of High School Subjects	2
C153.	Psychology of Adolescence	3

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 11 to July 19, 1935

J. FRANKLIN MESSENGER, PH.D.....*Director*

VISITING FACULTY MEMBERS
1935 Summer School

HAROLD BACHMAN.....*Band and Orchestra Leader, Chicago*
REBECCA J. COFFIN, B.S., A.M.....*Principal of the Elementary School Division, Lincoln School, Teachers College, Columbia University*
HOWARD GODING.....*Professor of Music, New England Conservatory of Music*
J. WILLIAM HARRIS, PH.D.....*Dean of School of Education, College of the Pacific*
CHESTER COLLINS MAXEY, PH.D.....*Dean and Professor of Political Science, Whitman College*
OSBOURNE MCCONATHY.....*Author and Lecturer on Music*
JULIUS J. OPPENHEIMER, PH.D.....*Dean of the College of Liberal Arts, University of Louisville*
EDWIN J. STRINGHAM, PH.D.....*Professor of Music, Columbia, Univ.*
ALEXANDER THIEDE.....*Violinist and Orchestra Conductor, Boston*
KARL ZEISE.....*Cellist and Music Teacher, Boston*

ADMISSION.—The courses of the Summer School are open on the same terms as those of the regular session, as described in Part II of this catalog. 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 four summer sessions and outside work during the intervening years.

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

COURSES OFFERED IN 1935 SUMMER SCHOOL

For description of courses see Part V of this catalog.

AMERICAN HISTORY

Course	Credits
S121. Reconstruction Periods (1865-1935)	2
S127. American Frontiers	2
S211. Problems in the History of the West	2
S225. Research	2

ATHLETIC COACHING

The University coaches were available for conferences and lectures on athletic coaching. No credit given.

Course		Credits
	BOTANY	
S3.	Principles of Botany	4
S54.	Systematic Botany	2
S105.	Plant Ecology	2
S109.	The Teaching of Botany	2
S125.	Pro-Seminar	1
S207.	Advanced Taxonomy	2
S221.	Seminar	1
S231.	Research	2
	BUSINESS	
E	Typewriting	0
S165.	Business Law	2
	ECONOMICS	
S51n.	Principles of Economics	2
S52.	Principles of Economics	2
S106.	Money and Banking	2
S109.	Public Finance	2
S213.	Seminar	2
	EDUCATION	
S2.	School Room Management	2
S16.	Art Education	2
S55.	Idaho Law, Manual, and Civics	2
S101.	Elementary Supervision	2
S102.	Books and Their Uses in Elementary Schools	2
S107.	History of Education	2
S113.	Secondary Education	2
S114.	High School Methods	2
S115.	Educational Guidance	2
S118.	The Teaching of Biology	2
S120.	The Teaching of General Science	2
S123a.	Rural Administration	2
S125.	High School Library Organization	2
S203.	Educational Measurements	2
S204.	School Administration	2
S207.	Supervision of Instruction	2
S210.	Philosophy of Education	2
S211.	Curriculum Construction	2
S212.	Curriculum Construction	2
S220.	Current Educational Literature	2
S241.	Character Education	2
S260.	Scientific Methods in Education	2
S265.	Seminar—American School System	2
	ENGLISH	
S10.	Special Writing	2
S18.	Introduction to Literature	2
S72.	Play Production	2
S118.	Victorian Poetry	2
S119.	American Literature	2
S174.	History of the Theatre	2
S198.	High School Journalism	2
S201.	Folk Literature	2
S207.	Special Problems in Teaching English	2
S210.	Foreign Backgrounds of English Literature	2
S214.	Studies in Biography	2
	EUROPEAN HISTORY	
S54.	Modern Europe	2
S106.	Recent Times	2
S204.	Research	2-4
S232.	Renaissance and Reformation	2
	GEOLOGY AND GEOGRAPHY	
S2.	Historical Geology	4
S12.	Economic Geography	2
S116.	Geology and Geography of Idaho and the Pacific Northwest	2
S225.	Research	2
	GERMAN	
S1n.	Elementary German	4
S2.	Elementary German	4
S13.	Intermediate German	4
S15.	Scientific German	2
S143.	Goethe	2
	HOME ECONOMICS	
S41.	Problems in the Modern Home	2
S133.	Practice Cottage	2
S141.	Interior Decoration	2
	MATHEMATICS	
S1.	Freshman Mathematics	4
S2.	Freshman Mathematics	4
S12.	Freshman Mathematics	5
S51.	Calculus	4
S52.	Calculus	4
	MUSIC	
S1.	Sight Singing and Ear Training	2
S3.	Elementary Harmony	2
S36.	University Chorus	1
S46.	University Orchestra	1
S70.	Idaho Chorus Plan	1
S111.	Instrumentation	2
S155.	Advanced Music Appreciation	2
S174.	Class String Instrument Teaching	1
S176.	Class Wind Instrument Teaching	1
S179.	Conducting	1
S191.	String Ensemble	1
S193.	Violin Repertoire	2
S201b.	Band Supervision	2
S201c.	Choral Music Supervision	2
S209.	Advanced Composition	2
S212.	Orchestration	2
S216.	History of Music	2
S279.	Advanced Conducting	2
	High School Band	
	High School Chorus	
	High School Orchestra	
	High School String Section	
	High School Wind Section	
	Cello (½ or 1 cr.)	
	Piano (½ or 1 cr.)	
	Violin (½ or 1 cr.)	
	Voice (½ or 1 cr.)	
	Wood and Brass Instruments (½ or 1 cr.)	
	PHILOSOPHY	
S51.	History of Ancient Philosophy	2
S106.	The State and the Individual	2
S204.	Seminar	2
	PHYSICS	
S1.	Elementary Physics	4
	POLITICAL SCIENCE	
S1.	American Government	2
S75.	State Government	2
S125.	Comparative Government	2
S136.	American Constitution	2
S201.	Seminar—Local Government	2
S205.	Principles of International Law	2

PSYCHOLOGY

Course		Credits
S1.	General Psychology	2
S106.	Infant and Child Psychology	2
S201.	Advanced Educational Psychology	2
S205.	Mental Hygiene	2
S211.	Abnormal Psychology	2

SOCIOLOGY

Course		Credits
S51.	Introduction to Sociology	2
S121.	The Family	2
S151.	Social Pathology	2

ZOOLOGY

S1.	General Zoology	4
S58.	Heredity and Eugenics	2
S107.	Organic Evolution	2
S202	Research	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. See regulations of the separate divisions for requirements in courses numbered above 50.

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 4 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; 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. Analysis of various types of soil by standard methods, to determine the available and total soil constituents. Discussion of methods. Recommendation 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. Prerequisites: Chem. 1, 2, 51, 52, 101 and 102. (SNYDER)

153-154 Pro-Seminar or Thesis 2 or 3 credits Each semester (SNYDER)

Insecticides and Fungicides 3 credits Second semester

See Hort. 180. (Available to students in Agricultural Chemistry.)

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

Professor EKE, Associate Professor VOGEL, Mr. YOUNGSTROM

52 Farm Accounting 3 credits Second semester

Study of some of the accounting procedures particularly applicable to farming; interpretation of statistical data relating to agriculture; graphic presentation of factual material.

For Advanced Undergraduates and Graduates

103 Agricultural Economics 3 credits First semester

Study of some of the economic forces closely related to agriculture. Special emphasis upon prices, agricultural credit, taxation, and tariffs. Relation of these subjects to Idaho farming. Prerequisite: Econ. 53.

108 Farm Management 3 credits Second semester

Types of farming; relation of factors of production to profits in farming; budgeting; outlook material as a source of information for planning the farm business. Prerequisite: Ag. Econ. 103. (Not open to students with credit in Agron. 110.)

119 Marketing Farm Products 3 credits First semester

Description of the various services performed in marketing agricultural products; marketing methods; marketing agencies; analysis of the operations of the produce exchanges; future trading; governmental authority in relation to marketing; analysis of the organization, methods, and policies of cooperative marketing and purchasing agencies. Prerequisite: Econ. 53. (Not open to students with credit in Econ. 118, Ag. Econ. 118, Econ. 120 or Ag. Econ. 120.)

150 Land Economics 3 credits Second semester

The utilization of agricultural land; land appraisal; political and economic problems of land development; land tenure; relation of population growth to economic utilization of land. Research methods used in land-use studies. Zoning of rural areas. Prerequisite: Ag. Econ. 103.

171-172 Pro-Seminar in Current Agricultural Economic Problems 1 credit Each semester

Primarily a discussion group participated in by the students under the leadership of members of the staff. Designed to keep the students acquainted with current developments. Prerequisites: Ag. Econ. 103, senior standing.

Primarily for Graduates

201-202 Research Credits to be arranged Each semester

203-204 Seminar 1 credit Each semester

AGRICULTURAL EDUCATION

Professor LATTIG, Associate Professor HOWARD, Mr. WISWALL

Primarily for Advanced Undergraduates

150 Extension Methods in Agriculture 2 credits Second semester

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

151 Vocational Education 2 credits First semester

Vocational education: its history, meaning, aims, administration and place in the school system. Required in Agricultural Education Curriculum. (Not open to Freshmen.) (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)

154 Methods in Teaching Farm Shop and Farm Mechanics
2 credits Second semester

A study of the application of efficient organization and management practices in teaching farm mechanics in vocational education in agriculture. Required in Agricultural Education Curriculum. (HOWARD)

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

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

158 Auxiliary Problems 2 credits Second semester

A study of such problems as 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: Agr.Ed. 153. (HOWARD)

Primarily for Graduates

251-252 Seminar Credits to be arranged Each semester
(LATTIG)

253-254 Research Credits to be arranged Each semester
(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 Agricultural Engineering 3 credits Second semester

Elementary problems of the application of engineering to agricultural equipment and production. Two lectures and one three-hour laboratory period a week. (BERESFORD)

5 Concrete 1 credit First semester

Practical problems in the use of concrete on the farm and ranch. Methods of insulation and waterproofing, 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 dimensions. One 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 of 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, heating, illumination. Protection against lightning and fires. Farm sanitation 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 agricultural power. Fuels, lubricants, 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 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; dairy plant ventilation and sanitation. Two lectures and one three-hour laboratory period a week. (BERESFORD)

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, 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: Junior standing. (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 KLAGES, Assistant Professors MICHELS and BAKER, Mr. BUSCHLEN

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. (KLAGES, BUSCHLEN)

51 General Soils 4 credits First semester

An elementary course dealing with origin, mechanical analysis, structure, organic matter, moisture and soil air; their relationships; and influences on cultural practices. Three lectures and one three-

hour laboratory period a week. Prerequisite: sophomore standing. (BAKER)

52 General Soils (Forestry Majors) 4 credits Second semester
An elementary course dealing with origin, mechanical analysis, structure, organic matter, moisture and soil air; their relationships; and influences on cultural practices. Special emphasis will be given to forest soils. Three lectures and one three-hour laboratory period a week. Prerequisite: sophomore standing. (BAKER)

For Advanced Undergraduates and Graduates

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. (BUSCHLEN)

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. (KLAGES)

106 Seed Analysis and Identification 3 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. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 1. (KLAGES)

108 Forage Crops and Sugar Beets 3 credits Second semester
In production and utilization of annual and perennial forage plants and sugar beets; the establishment and care of tame meadows and pastures as well as the conservation, management and improvement of native meadow and pasture lands. Three lectures a week. Prerequisite: Agron. 1. (KLAGES)

109 Grading and Marketing of Peas and Beans
2 credits First semester
A study of federal grading standards, processing methods, utilization and marketing of peas and beans. Junior or senior year. One lecture and one three-hour laboratory period a week. Prerequisite: Agron. 1.

111 Crop Ecology 3 credits First semester
The study of crop plants in relation to their physiological and social environment and the main underlying factors determining the geographical distribution of field crops. Three lectures a week. Prerequisite: junior standing. (KLAGES)

113-114 Pro-Seminar (Crops or Soils) 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. (KLAGES, BAKER)

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. (KLAGES, MICHELS, BAKER)

153 Advanced Soil Fertility 2 credits First semester
A study of the principles underlying absorption, fixation and liberation of plant nutrients in the soil and how they influence the soil solution and crop production. Prerequisite: Agron. 156 or 157. (BAKER)

154 Origin and Classification of Soils 3 credits Second semester
Influence of parent material, climate and vegetation on the development of soils. Classification of soils by the bureau of soils method and in relation to problems of land utilization. Practice in field mapping. Two lectures and one three-hour laboratory a week. Prerequisite: Agron. 51 or 52. (BAKER)

156 Soil Management 2 credits Second semester
A consideration of the external factors influencing plant nutrition, the fertility of different soils, principles underlying the management of soils and utilization of fertilizers and manures. Two lectures a week. Prerequisite: Agron. 51 or 52, junior standing. (BAKER)

157 Soil Physics 3 credits First semester
The physical constitution and properties of soils; their relation to structure, moisture, aeration and temperature. Practical applications to cultural practices and erosion problems. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 51 or 52. (BAKER)

Primarily for Graduates

213-214 Research (Crops or Soils) 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. (KLAGES, MICHELS, BAKER)

215-216 Seminar (Crops or Soils) 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. (KLAGES, BAKER)

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. Representative topics: 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)

61 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. (BROSNAN)

62 America a World Power, 1865-1936

3 credits Second semester

From Civil War to present time. Representative topics: political, social and economic reconstruction; big business; Spanish-American War; Theodore Roosevelt; Woodrow Wilson and World War; war's aftermath; Coolidge post-war boom; gilded age and machine age; great depression; prohibition; unemployment; collapse of individualism; N.R.A. and "New Deal." (BROSNAN)

For Advanced Undergraduates and Graduates

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; secession; the Civil War, 1861-1865. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (Not given in 1936-37.) (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, or junior standing. (BROSNAN)

116 History of American Diplomacy Since Civil War

3 credits Second semester

Diplomatic problems of Civil War and reconstruction; Pan-Americanism; New Monroe Doctrine; emergence from isolation and Spanish war; path of empire; Panama canal and the Caribbean; League of Nations; World Court; World Bank; world depression; war debts; quest for peace; today's world problems. Prerequisites: Hist. 1-2, or 13-14, or 21-22, or junior standing. (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 1936-37.) (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; migration 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, or junior standing. (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, or junior standing. (BROSNAN)

127 American Frontier 3 credits First semester

History of westward-moving pioneers across continent and their occupation of these seven major frontiers: Atlantic Coast, Falls Line, Appalachian Barrier, Ohio Valley, Mississippi Valley, Upper Bend of Missouri, and Pacific Coast Frontiers. Representative topics: Daniel Boone's Wilderness Road; "Down-the-Ohio"; Conquest of Old Northwest; Louisiana; Aaron Burr; Cumberland Road; Oregon and the Santa Fe Trails; Mormons; "Forty-Niners"; Union Pacific Railway and passing of the Last Frontier. Prerequisites: Hist. 1-2, or 13-14, or 21-22, or junior standing. (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, or junior standing. (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

Credits to be arranged Each semester

Supervised individual investigation of topics selected in conference with the instructor and documented reports embodying the results of research. (BROSNAN)

227-228 Seminar in American History 2 credits Each semester

Intensive studies and discussions of reports presented in American History. The special interests of the students will be considered in the selection of the fields of study. (BROSNAN)

ANIMAL HUSBANDRY

Professor HICKMAN, Associate Professors NORDBY and GILDOW, Assistant Professor BEESON

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)

56 Meat 1 credit Second 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)

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 characteristics of the various improved breeds of domestic animals. Practice work in judging representatives of the various breeds according to standards set by breed associations and by the show-ring. One lecture and one three-hour judging period a week. Required of juniors in Animal Husbandry. Prerequisite: A.H. 1. (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. (BEESON)

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. (BEESON)

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)

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, BEESON)

159-160 Thesis 1 credit Each semester

Required for graduation in Animal Husbandry. (HICKMAN, NORDBY, GILDOW, BEESON)

171 Comparative Anatomy and Physiology

4 credits First semester

A comparison of the structures and functions of the systems of the domestic animal with special attention to the skeletal, digestive, reproductive, circulatory systems and endocrine glands. Special problems permit students to study specific species. Three class periods, one laboratory weekly. (GILDOW)

174 Animal Diseases (infectious) 3 credits Second semester

A study of the cause, transmission, susceptibility, symptoms, diagnosis, prevention and control of major infectious diseases and parasites of domestic animals. Specific problems permit students to specialize in one or more species. Three class periods weekly. (GILDOW)

175 Parasites and Parasitosis of Domestic Animals

3 credits First semester

A study of the life cycle, distribution, economic importance and control of insects, ticks, mites, roundworms, flat worms, protozoa and other parasites of domestic animals. The pathology of the host and the importance of parasites as vectors of disease will be considered. Two lectures and one laboratory period weekly. Prerequisite: Junior standing. (GILDOW and SHULL*)

*Department of Entomology.

176 Animal Diseases (non-infectious) 2 credits Second semester
A consideration of the general factors related to diseases of and first aid for farm animals; symptoms; diagnosis; the farm medicine chest; wound treatment; dehorning; castrating; docking; unsoundness; physical examination; obstetrics; diseases of the feet, bones, joints, digestive and reproductive organs; nutritional diseases; and plant and mineral poisons. One lecture and one laboratory period weekly. (GILDOW)

Primarily for Graduates

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

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 application of washes are introduced. Three hours drawing twice a week. Should be taken in conjunction with Arch. 13-14. (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 drawing once a week. Prerequisite: Arch. 13. (MELZIAN)

53-54 Intermediate Architectural Design
3 credits Each semester
A series of problems in architectural composition and planning. Three hours drawing three times a week. Prerequisite: Arch. 11-12. (MELZIAN)

For Advanced Undergraduates and Graduates

115-116 Architectural Design 4 credits Each semester
A continuation of Arch. 53-54. Three hours drawing four times a week. Prerequisite: Arch. 53-54. (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. (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 Plants of Buildings 3 credits Second semester
The mechanical plant in its relation to the architectural prob-

lem. Insulation, acoustics, plumbing, and electrical installation, their fundamental principles and their application in the details of modern work. Three lectures a week. (MELZIAN)

ART

Primarily for Undergraduates

1-2 Freehand Drawing 2 credits Either semester

The principles of freehand drawing and the elements of composition. Two three-hour laboratory periods a week. No prerequisites. (PRICHARD)

3-4 Principles of Design 2 credits Either semester

Principles of design in line, value, and color, to develop power of appreciation and creation of good design. (KIRKWOOD)

5-6 Life Drawing 2 credits Either semester

Drawing from life and nature. For students who enter with advanced credit, or can show skill. Credit will be allowed for both Art 1-2 and 5-6. (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 other 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, or 5-6. (PRICHARD)

103-104 Applied Design 2 credits Each semester

Advanced design and the crafts. 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 and nature. Three hours each week per credit. Prerequisites: Art 1-2 or 5-6 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 or 5-6. Three three-hour periods a week. (KIRKWOOD)

121 Alphabets 2 or 3 credits First semester

Mechanics of lettering and a study of historic style. 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. Prerequisites: 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, KIRKWOOD)

129-130 History of Painting 2 credits Each semester
A technical study of the great painters of history. Preliminary 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)

143-144 Pottery 2 credits Each semester
Hand-built pottery; use of wheel; glazing and firing. Classes will be limited. Prerequisite: Junior standing. (PRICHARD)

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

BACTERIOLOGY

Professor HALVERSEN, Assistant Professors CHERRINGTON and DUNLAP, Mr. DALY

Primarily for Undergraduates

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. Organic Chemistry is recommended. (HALVERSEN, DALY)

54 Public Health and Hygiene 3 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)

For Advanced Undergraduates and Graduates

104 Pathogenic Bacteria 4 credits Second semester
A study of the most important disease-producing organisms. Emphasis is placed on cultural, biochemical and morphological characteristics which serve as a means of their identification. 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 cultural 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. Prerequisites: Bact. 51 and 104. (DUNLAP)

110 Serology 3 credits Second semester
A continuation of Bact. 109. Hematology, complement fixation and serum reactions are emphasized. Prerequisites: Bact. 51, 104 and 109. (DUNLAP)

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.

125 Soil Microbiology 4 credits First semester
A study of microbial activities in soil which affect the production of plant food and crop producing power. Alternate years. Prerequisites: Agron. 51, Bact. 51.

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 ALCORN, Mr. LONG, Mr. FERNHOLZ, Miss ALLEN, Mr. WORLEY

Primarily for Undergraduates

1-2 General Botany 4 credits Each 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, ALCORN, FERNHOLZ, ALLEN, WORLEY)

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. (ALCORN)

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. Three class periods and two laboratory periods a week. (LONG, ALLEN)

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. One lecture and two laboratory periods a week. Prerequisites: Bot. 1-2, 3 or 11. (GAIL, ALCORN, 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, LONG, FERNHOLZ)

104 Plant Anatomy 4 credits Second semester

Study of tissues of vascular plants from the standpoint of origin, development, and function Technique of killing, staining, and mounting material for permanent microscopic preparations. Two lectures and two three-hour laboratory periods a week. Prerequisites: Bot. 1-2, 3, or 11 and Chem. 1-2, (ALCORN)

105 Plant Ecology 3 credits First semester

Comparative study of plant tissues from the standpoint of origin and role, followed by laboratory 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 101-102. (LONG)

110 The Teaching of Botany 2 credits Second 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 General Fungi 4 credits First semester

A general survey of the groups of fungi with special emphasis on the Myxomycetes and Phycomycetes. Two lectures and six laboratory hours a week. Prerequisites: Bot. 1-2, 3 or 11, and 53-54. (ALCORN)

121 Morphology of Thallophytes and Bryophytes
4 credits First semester

A thorough study of a series of algae and mosses forms the basis of lectures upon the morphology, life histories and classifications of these groups. Two lectures and two laboratory periods a week. Prerequisites: Bot. 1-2, and 53-54. (ALCORN)

122 Morphology of Pteridophytes and Spermatophytes
4 credits Second semester

A continuation of Bot. 121. Two lectures and two laboratory periods a week. Prerequisites: Bot. 1-2, 53-54, and 121. (LONG)

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, ALCORN, ALLEN, LONG, FERNHOLZ)

Primarily for Graduates

203 Plant Nutrition 3 credits First semester

The inorganic and organic nutrition of plants. Two lectures and one laboratory period. Prerequisites: Bot. 101-102 and Chem. 101-102 or Ag. Chem. 2. (LONG)

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. Prerequisites: Bot. 1-2, 53-54, and 121-122. (GAIL)

210 Plant Cytology 4 credits Second semester

A study of the structure of the plant cell with special attention given to its bearing upon reproduction and evolution. Prerequisites: Bot. 53-54, 121-122, 104, and 101-102, and Chem. 1-2. (FERNHOLZ)

212 Morphology of the Ascomycetes and Basidiomycetes
3 credits Second semester

The morphology, collection, and identification of the higher fungi, with some emphasis on the economic importance of the groups. One lecture and six laboratory hours a week. Prerequisites: Bot. 1-2, 3 or 11, 53-54, and 111. (ALCORN)

221-222 Botanical Seminar 1 credit Each semester

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

231-232 Research Credits to be arranged Each semester

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

BUSINESS ADMINISTRATION

Professors FARMER and GRAUE; Assistant Professors DAVISON, FOLZ, REIERSON, and WILDE; Mr. MOORE, Miss WELDON
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 10 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 10 minutes must register for four credits. Prerequisites: Bus. 15n-16 or two years of high school shorthand.

73-74 Expert Dictation 2 credits Each semester

Advanced dictation and court reporting. Prerequisite: a speed of 125 words a minute. (Given in alternate years. Not given 1936-37.) (REIERSON)

76 Office Practice and Procedure 2 credits Second semester

Training in the various methods of filing; use of mimeograph, multigraph, dictaphone, the telephone, and telegraph. Secretarial ethics and standards. Prerequisite: Bus. 15n-16. (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

107 Transportation 3 credits First 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. (FOLZ)

124 Financial Administration 3 credits Second semester

The financial problems of business enterprises. (FARMER)

126 Analysis of Financial Statements 2 credits Second semester

(Not given 1936-37.)

129-130 Retail Merchandising 3 credits Each semester

Types of retail stores, problems of location, buying, merchandising, and store management. Prerequisite: Bus. 169. (DAVISON)

132 Sales Management 3 credits Second semester

Responsibility of sales management to business and society. Paying, selecting, and training salesmen. Market research; sales planning and sales strategy. Coordination of sales effort with other departments. Prerequisite: Bus. 169. (DAVISON)

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*Students who enter the University of Idaho with two years of high school shorthand will continue in Bus. 71-72. Those who have had one year of shorthand may take Bus. 16, but in many cases it will be advisable to register for Bus. 15n in review without credit for one semester.

134 Industrial Management 3 credits Second semester

The individual business and its conditioning factors of location, buildings and equipment, organization, layout, materials, production control, cost control, and personnel policies. (MOORE)

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 Problem 2 credits Second semester

Prerequisite: Bus. 141. (Not given 1936-37.)

152 Personnel Administration 3 credits Second semester

The technique of employment management. (Not given 1936-37.) (MOORE)

162 Office Management 2 credits Second semester

A study of the factors contributing to efficiency in office organization and management. Methods employed in selection, placement, and training of office employees.

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

Purpose of control; formal and informal controls; behavior and significance of costs under control; standards and data for guidance and censorship under control. The economic aspects of government legislation will be critically analyzed. (MOORE)

169 Marketing 4 credits First semester

A description and analysis of the marketing processes, with an evaluation of marketing institutions and middlemen according to the functions they perform. Prerequisite: Econ. 51-52. (DAVISON)

175 Principles of Advertising 3 credits First semester

The proper function of advertising. Elementary problems of space, type, copy, display, and media. Advertising and sales motivations and their use. Prerequisite: Junior standing. (DAVISON)

176 Retail Advertising 2 credits Second semester

Emphasis on advertising for the retail store, with written exercises in layout and copy. Store display and sales promotions through advertising media. Prerequisite: Bus. 175. (DAVISON)

177 Insurance 3 credits First semester

Principles and practice 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 4 credits First semester

A study of the various methods used in teaching typewriting, shorthand, transcription, bookkeeping, junior business training, office practice, and other allied business subjects. Open to students who have taken Bus. 15n-16, 81-82, E-F, or their equivalent.

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)

193 Advanced Statistics 3 credits Second semester

A study of methods of correlation analysis as applied to business and economic data. Prerequisite: Bus. 113. (FOLZ)

Primarily for Graduates

205-206 Seminar in Accounting 2-4 credits Each semester

Students will be assigned one American Institute of Accountants examination each week for independent study. One class meeting per week for discussion of the assigned material. (WILDE)

211-212 Seminar in Business 2-4 credits Each semester

The topic for investigation and discussion will be selected from the field in which the student is engaged. (STAFF)

CHEMISTRY*

Professor KOSTALEK; Associate Professor CADY; Assistant Professors CONE†, DUSAULT, KLUG, LINDSAY, OWENS, REED; Mr. MARTIN, Mr. TURINSKY, Mr. TAYLOR†, Mr. ASHCRAFT, Mr. HALLER, Mr. JOHNSON, Mr. TORGESEN

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

Lectures, lecture demonstrations, quizzes, problems and labora-

*For Chemical Engineering Curriculum, see the College of Engineering section in Part III. For courses in Agricultural Chemistry and Soil Chemistry, see Agricultural Chemistry.
†On leave, 1935-36.

tory work. The laboratory work consists of a selection of representative experiments, including quantitative. Textbooks: Holmes' *Introductory College Chemistry,* University of Idaho *Laboratory Outline.* Two lectures, one quiz, and two laboratory periods a week. (KOSTALEK, CADY, DUSAULT, KLUG, LINDSAY, OWENS, REED, ASHCRAFT, HALLER, JOHNSON, TORGESEN)

2 General Chemistry 4 credits Second semester

Continuation of Chem. 1. The laboratory work consists of introduction to qualitative analysis, as a means of studying the general chemistry of cations. Periods as in Chem. 1. Prerequisite: Chem. 1. (KOSTALEK, CADY, DUSAULT, KLUG, LINDSAY, OWENS, REED, ASHCRAFT, HALLER, JOHNSON, TORGESEN)

51 Qualitative and Gravimetric Analysis

4 credits First semester

Theory and practice of analysis. The laboratory practice 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 calculations. Textbooks: A. A. Noyes' *Qualitative Chemical Analysis;* Chapin's *Second Year College Chemistry;* Willard-Furman *Elementary Quantitative Analysis.* Two classes and two laboratory periods a week. Prerequisite: Chem. 1 and 2. (MARTIN)

52 Quantitative Analysis (Volumetric)

4 credits Second semester

Continuation of Chem. 51. The laboratory work consists largely of volumetric analysis, including calculations. Textbooks: Willard-Furman *Elementary 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. (MARTIN)

53 Elements of Organic and Analytical Chemistry

4 credits First semester

(Laboratory practice in quantitative analysis and organic preparations). A condensed course of lectures, quizzes, and laboratory work, planned altogether for a special group of students in agriculture. 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. (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. (TURINSKY)

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 devoted to 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. (REED)

105-106 Physical Chemistry 3 credits Each semester

An introduction to physical chemistry from the standpoint of kinetic theory, thermodynamics, and the constitution of matter. The two recitations a week are devoted to discussions, problems, and quizzes over the subject matter. The one laboratory period includes determinations of molecular weight, conductance, potential, viscosity, surface tension, solubility, and calorimetry. Prerequisites: Chem. 1, 2, 51, and 52; first-year college physics; and Math. 51 and 52. (CADY, KLUG)

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. Prerequisites: Chem. 1, 2, 51, and 52, or their equivalent. (Not given in 1936-37 Summer Session.)

108 Industrial Chemistry 2 credits Second semester

A study of principles involved in chemical industries, with a discussion of raw materials, equipment, processes, products, and methods of control. Textbook: Read's *Industrial Chemistry.* Two class periods a week. Prerequisites: Chem. 1, 2, 51, 52, and 101. (LINDSAY)

109-110 Thesis 1 to 3 credits Each semester

Prerequisites: 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, 102, and six to eight credits of biological sciences. (OWENS)

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. (OWENS)

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: Perry's *Chemical Engineers' Handbook.* Prerequisites: Chem. 1, 2, 51, 52, 101, 102, 108, and M.E. 121. (LINDSAY)

114 Chemical Engineering 4 credits Second semester

A continuation of Chem. 113, including problems and discussion of filtration, grinding, mixing, extraction, distillation, and gas ab-

sorption. The laboratory work is devoted to specialized technical analyses and performance tests on various types of equipment used in the unit operations. Two class periods and two laboratory periods a week. Prerequisite: Chem. 113. (LINDSAY)

Primarily for Graduates

201-202 Advanced Organic Chemistry
1 to 3 credits Each semester

The lectures deal with selected phases of organic chemistry. Laboratory work consists of special preparations, and qualitative and quantitative organic analysis. Prerequisites: Chem. 101 and 102. (TURINSKY)

203-204 Research Credits to be arranged Each semester

It is intended to place the working and instructional facilities of the department at the disposal of properly qualified graduate students. (DEPARTMENTAL STAFF)

205-206 Seminar 1 credit Each semester

Required of graduate students majoring in chemistry. Prerequisites: Courses approved by the department. (DEPARTMENTAL STAFF)

207-208 Advanced Physical Chemistry 2 credits Each semester

A survey of the different divisions of the field, given from year to year by various members of the department. (In 1935-36, Chemical Thermodynamics, KLUG). Prerequisites: Chem. 101-102, and 105-106. (DEPARTMENTAL STAFF)

CIVIL ENGINEERING

Professor CRAWFORD, Associate Professor CARTER, Assistant Professors HOWARD and BUCHANAN, Mr. JANSSEN, Mr. DAVIDSON, Mr. MADSEN, Mr. HALL

Primarily for Undergraduates

1 Engineering Drawing 3 credits First semester

Freehand lettering; use of drawing equipment; principal view drawings; auxiliary views; sectional views; introduction to surface developments and intersections; isometric and oblique drawings; working drawings; a practical problem in drawing. One recitation and six hours per week in drawing room.

2 Descriptive Geometry 3 credits Second semester

Advanced orthographic drawing in principal views, auxiliary views, oblique views, and surface developments and intersections; problems in point, line, and plane; classification of lines and surfaces; practical problems in the application of engineering drawing and descriptive geometry. One recitation and six hours per week in drawing room. 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 students in forestry and mines. One recitation and six hours of field work and computations a week. Prerequisites: Math. 1 or 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. A topographic survey of a given area, including calculations, and a map is made. One recitation and six hours in the field 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; analytic and graphic methods of solution. Prerequisites: Math. 51 and Phys. 11.

8 Plane Curves 1 credit Second semester

Simple, compound, spiral, and parabolic curves. A recitation and problem course. Prerequisite: C.E. 3, or 3a.

10 Engineering Problems 1 credit Second semester

Training in computation and analysis of engineering problems. One laboratory period a week. Open to freshmen only.

11 Engineering Lectures 1 credit First semester

A survey of the engineering professions.

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. Passing grade in both recitation and laboratory are necessary to obtain credit in the course. 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

The study of 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 Second 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 1 or 2 credits Either semester
Investigation of road making materials. Prerequisite: C.E. 105. Elective.

112 Materials Testing Laboratory 1 credit Second semester
Properties of construction materials; design of mixes; inspection and interpretation of tests. Three hours in laboratory. Prerequisites: C.E. 105 and 109.

113 Railway and Highway Surveying 3 credits First semester
Six hours field and drafting room work and one recitation per week. A study of field methods of engineering works; surveys made, quantities computed; profiles, maps, mass diagrams, and earth cross-sections drawn. Prerequisite: Taken with C.E. 105 and C.E. 107.

120 Irrigation 2 credits Second semester
Principles of irrigation engineering; a study in soils, farm irrigation methods, design, construction and operation and maintenance of irrigation systems; land reclamation. Prerequisites: C.E. 103 and 104.

121 Structural Design 5 credits First semester
Structural theory; design of bridges and buildings; methods of construction; economics. Two recitations and nine hours in drafting room. Prerequisites: C.E. 102 and 106.

124 Contracts and Specifications 2 credits Second semester
Brief statement of law of contracts and consideration of general and technical clauses in engineering specifications. Prerequisite: Senior standing.

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. Prerequisite: Senior standing.

130 Thesis 3 credits Either semester
A problem in design or investigation. Open only to senior students of high standing.

133 Engineering Administration 2 credits First semester
Principles of organization and management. Prerequisite: Senior standing.

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.

136 Construction Methods 2 credits Second semester

A study of the ordinary methods of construction and the relation thereto of such elements as time, equipment, cost, and organization. Open to senior civil engineering students and other seniors by permission. Two recitations per week and written reports.

137 Statically Indeterminate Stresses 3 credits First semester

Methods of determining deflections and the general theory of statically indeterminate stresses. Two recitations and three hours in drafting room a week. Prerequisite: C.E. 102.

138 Valuations and Appraisals 2 credits Second semester

Valuations and appraisals of public utilities; rate structures; public utility economics. Two recitations per week and written reports. Prerequisite: Senior standing.

141 Water Supply 2 credits First semester

Principles involved in the design, construction, operation and maintenance of water supply systems; physical, chemical, and biological actions which take place in water purification; municipal and rural sanitation. Prerequisites: C.E. 103 and 104.

144 Sewers and Sewerage 2 credits Second semester

Principles involved in the design, construction, operation and maintenance of sewers and sewerage systems; physical, chemical, and biological actions which take place in sewage reduction and disposal; sewage and sewage sludge analyses. Prerequisites: C.E. 103 and 104.

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

Prerequisite: C.E. 137.

203 Advanced Hydraulic Theory

Credits to be arranged Either semester

Prerequisite: C.E. 104.

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. 137.

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 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 present two years of high school Latin for admission will ordinarily continue in Latin 3-4, the completion of which will fulfill the language requirement for the B.A. degree, but in special cases on written approval of the instructor they may register in Latin 2. Those who have had but one year are advised to register in Latin 1.

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 from 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 equivalent. (RENTFRO)

53-54 Advanced Latin 3 credits Each semester

Study of selections from standard Latin authors, the prose writers the first semester, poets the second semester. Investigation of their lives and criticism of their styles. Prerequisites: Lat. 3-4, or equivalent. (RENTFRO)

For 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. 53-54, or equivalent. (AXTELL)

102 Livy 3 credits Second semester

Translations of selections from Livy's history of Rome. Study of the principles of Latin narrative. Prerequisites: Lat. 53-54, or equivalent. (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 equivalent. Required for a recommendation to teach Latin (AXTELL)

121-122 Directed Reading 2 or 3 credits Each semester

Rapid translation of standard Latin authors not usually read in the first year of college. Selections 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 development of Latin literature to the third century A.D. Textbook, lectures, and outside reading in translation. Prerequisites: Lat. 53-54, or 101-102, or equivalent courses. (AXTELL)

124 Teachers' Course 2 credits Second semester

Comprehensive and advanced work in detail in Latin philology necessary for the efficient teacher. Ideals, means, and methods of teaching Latin in the high school. Prerequisites: Lat. 53-54, or 101-102, or equivalent courses. (AXTELL)

125-126 Pro-Seminar 1 to 3 credits Each semester

A study of antiquities and topography of Rome. Prerequisite: 6 credits in advanced undergraduate courses in Latin. (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 their 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 49. 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. Prerequisites: Greek 1n-2. (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, Promethus Bound,* or *Alcestis*. Lectures and papers on the evo-

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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.

lution of classic 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, paintings, and other fine arts. Recognition of famous examples found in modern galleries and museums. (AXTELL)

DAIRY HUSBANDRY

Professors THEOPHILUS and FOURT, Mr. HANSEN, Mr. SHAW

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. (SHAW)

For Advanced Undergraduates and Graduates

106 Dairy-Cattle Judging 2 credits Second semester

A study of types of the various breeds of dairy cattle, with comparative judging. Prerequisite: D.H. 2. (FOURT)

107 Advanced Dairy-Cattle Judging 1 credit First semester

Continuation of D.H. 106. (FOURT)

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. (FOURT)

110 Judging Dairy Products 1 credit Second semester

A study of quality and market standards in dairy products, including practice of 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. 110. (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. (FOURT)

121 Factory Management 2 credits First semester

The location, construction, organization, 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. (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. (THEOPHILUS, FOURT)

133-134 Thesis 1 credit Each semester

Required for graduation in Dairy Husbandry. (THEOPHILUS)

Dairy Bacteriology 3 credits Either 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
(STAFF)

231-232 Graduate Research Credits to be arranged Each semester
(THEOPHILUS, FOURT)

Dramatics

(See under *English*)

ECONOMICS

Professors FARMER and GRAUE; Assistant Professor FOLZ, Mr. MOORE

Primarily for Undergraduates

51n-52 Principles of Economics 3 credits Each semester
A study of contemporary economic institutions—their foundation, organization, and principles of working order as displayed by scientific inquiry. (GRAUE, FOLZ and MOORE)

53 Principles of Economics 4 credits Each semester
A study of economic theory and its application to present-day economic problems and institutions. This course is not intended for those majoring in business administration or economics. (FOLZ)

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
Position of the laborer in the social structure; causes of labor unrest; analysis of unemployment and suggested solutions; wage theories; contemporary trade unionism; government regulation. (MOORE)

152 Advanced Economic Theory 3 credits Second semester
A study of the analysis of economic organization by Alfred Marshall. Prerequisite: Senior standing in Business Administration or Economics. (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 2-4 credits Each semester
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. (FOLZ)

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 recommended 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. For non-educational students. (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)

102 Books and Their Uses in Elementary Schools 2 credits Summer Session

A course designed to acquaint the teachers with available literature for elementary pupils. (COFFIN)

107 History of Education 3 credits First 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)

108 Educational Sociology 3 credits Second semester

A study of the relation of education to present-day social problems. Prerequisite: Ed. 107. (MESSENGER)

111 The Junior High School 3 credits First semester

A study of the fundamental principles of present-day reorganization of high school education, with special emphasis upon junior high school organization, administration, and methods 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 and Educational Psychology. (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)

118 The Teaching of Biology 2 credits Summer Session

Discussions of the subject matter and how to present it to Biology students. The collection, care, and preservation of biological material. Demonstrations of important biological principles.

120 The Teaching of General Science 2 credits Summer Session

This course reviews briefly the major goals of science teaching, then deals at length with the following topics: methods and techniques, the method of science, the text book, motivation in science, visual education, field trips and supervised study, testing and quizzes, the science laboratory.

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.

125 High School Library Organization

2 credits Summer Session

School library management, with special emphasis on reference material and problems, and elementary cataloguing. The course is planned as a help to the teachers who, without other library training, find it necessary to supervise and care for the school book collection. (LIBRARY STAFF)

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)

131a Observation and Teaching in Music
4 credits Either semester

131b Observation and Teaching in Commercial Subjects
4 credits Either semester

Observation and Teaching in Home Economics
3 credits Either semester
See H.Ec. 157.

Observation and Practice Teaching in 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. (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. (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. (HARRIS)

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 of curriculum 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)

265-266 Seminar 2 credits Each semester

281-282 Professional Problems 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)

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, Associate Professor HULL, Mr. SCHROEDER

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 alter-

nating 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.

149-150 Electrical Circuits 3 credits Each semester
A study of transient and steady state conditions in various electrical circuits. Elective. Prerequisites: Math. 101 and E.E. 134.

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.

153 Electric Power Systems 3 credits First semester
Theory and practice of electric distribution systems. Elective. Prerequisite: E.E. 134.

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.

161 Elements of Telephony 3 credits First semester
An introductory course dealing with the principles and design of simple telephone systems. Prerequisite: E.E. 134.

162 Radio Engineering 3 credits Second semester
A theoretical course in radio-telegraphy involving a mathematical treatment of circuits and apparatus. Open only to students in engineering and physics with 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; Mr. BLANCHARD, Mr. SCHULDT, Mr. BECKWITH, Mr. BANKS, Mr. WHITEHEAD, Miss LAMAR, Mr. PACKENHAM, Mr. SHERMAN, Miss COLLETTE, Mr. CERVENY, Dr. WILSON, Mr. HOAG
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 entering freshman students, to advanced students entering without credit for freshman English, and is available for other advanced students at the discretion of the deans of divisions. 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 a semester of English Composition by a proficiency test. 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; Eng. 63-64, Great Books, cannot be accepted as a substitute for Eng. 17-18 or Eng. 13-14 or for any required advanced course. 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 desiring 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), or Eng. 36 (Parliamentary Law and Procedure), provided they secure permission from the head of the department. Eng. 17-18 is a prerequisite to all advanced courses in literature, language, dramatics and public speaking, or journalism; 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 of hundreds courses for a minor.

E. COMPREHENSIVE EXAMINATIONS.—Major students in English are 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. (COOPE, SCHULDT, BECKWITH, BANKS, LAMAR, PACKENHAM, SHERMAN, COLLETTE, CERVENY, WILSON, HOAG)

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 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 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 of English literature. Prerequisite: Eng. 1-2. (CUSHMAN, BECKWITH, LAMAR, SHERMAN, WILSON)

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 to 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. (CUSHMAN)

63-64 Great Books 2 credits Each semester

For students in any department of the University and for mature persons not regularly registered in the University. Great books of the world from the Bible and Homer to recent times. An elective course which cannot be substituted for required courses for sophomores or for required advanced courses. Prerequisite: Eng. 1-2. (CUSHMAN)

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)

112 Elizabethan Literature 2 credits Second semester

The non-dramatic literature of the Elizabethan Age. The lyric, narrative poetry, and the beginning of the essay; Spencer, Bacon, and Milton and their contemporaries. Prerequisites: Eng. 1-2, 17-18. (WILSON)

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, psuedo-classicism, the heroic drama, the prose drama of manners, and the beginnings of the novel. Prerequisites: Eng. 1-2 and 17-18. (Not given in 1936-37.) (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. (Not given in 1936-37.) (COOPE)

117-118 Victorian Prose and Poetry 2 credits Each semester
A study of the greatest 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. (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 3 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. (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'Neil. 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 reading in modern translations. Primarily for upperclassmen and graduates. Prerequisites: Eng. 1-2 and 17-18. (Not given in 1936-37.) (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 a poet and story teller. Primarily for upperclassmen and graduates. Prerequisites: Eng. 1-2 and 17-18. (Not given in 1936-37.) (MILLER, CUSHMAN)

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 Either 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 other types of writing especially valuable to business students. Prerequisite: Eng. 1-2; irregular students only with permission of the head of the department. (CERVENY)

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, CERVENY)

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. (Not given in 1936-37.) (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. (Not given in 1936-37.) (MILLER)

203-204 Special Problems in the Development of (a) Poetry, (b) Drama, (c) Prose Fiction, (d) The Essay, or (e) Biblical Literature 3 credits Each semester

Only one or two of these literary types will be considered in any one year. Primarily for seniors and graduates. (MILLER, COOPE)

205 Thesis Writing 2 credits Summer Session

A study of the literature of the subject and practice in the elements of thesis writing. (Not given in 1936-37.) (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 of English, with special emphasis on establishing the Oriental, the Classic, the Medieval, and the Renaissance points of view. Primarily for seniors and graduates. (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 study of world masterpieces in biography (in English translation), with concentration on contemporary English and American biography. Primarily for seniors and graduates. (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; exceptional cases—students with semi-professional training and experience—will be handled by the head of the department. 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. 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

123-124 Contemporary Drama 2 credits Each semester

For description of these courses see the statement of Eng. 123 and 124.

141-142 Shakespeare and Dramatic Influences on Shakespeare
3 credits Each semester

For description of these courses see the statement of Eng. 141 and 142.

159 Voice Production 2 credits First semester

The physical factor of voice production will be considered in detail, with emphasis on the proper use of 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)

162 Speech Correction 2 credits Second semester

A study of the general functional cases, including delayed speech, halting speech, monotonous speech, nasality, lisping, voice defects. Especial attention will be given to stuttering, the diagnosis of the case and the therapy. The English sounds will be studied as to their formation by the organs of articulation. Especially intended for teachers. Prerequisites: Eng. 1-2, 17-18, and 31-32 or 33-34 or equivalents. (WHITEHEAD)

163-164 Advanced Speaking 2 credits Each semester

Origin of speech; development of speech in race and individual; personality in speech; psychology of persuasion in attention. Prerequisites: Eng. 1-2, 17-18, 33-34 or 35-36 or 37. (WHITEHEAD)

Legislature at the time it created the Southern Branch of the University of Idaho. The curriculum in Pharmacy was established in September 1920, before the Idaho Technical Institute became the Southern Branch.

THE AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY—The College of Pharmacy of the Southern Branch of the University of Idaho holds membership in the American Association of Colleges of Pharmacy. The object of this association is the promotion of pharmaceutical education. All institutions holding membership in this association must maintain certain minimum requirements for entrance and graduation.

REGISTRATION IN THE STATE OF IDAHO—Candidates for registration in pharmacy in the State of Idaho must be graduates of a recognized pharmacy school and have had one year of practical experience in a drug store.

PRE-MEDICAL STUDENTS—Pre-medical students, by enrolling in the pharmacy curriculum and carefully selecting their electives may complete the pre-medical requirements and at the same time secure a B.S. (Phar.) degree. However, students who plan to stay only two years at the Southern Branch should enroll in the regular pre-medical curriculum of the Division of Letters and Science. It should be remembered that more and more of the medical schools are selecting their students from those who have had three and even four years of pre-medical preparation. Some medical schools require a bachelor's degree for entrance.

REQUIREMENTS FOR GRADUATION—A student, in order to be eligible for graduation must have grades of "C" or above in three-fourths of the credits required in his curriculum and received in residence and an average grade of at least "C" (4.000). A total of 138 credit hours is required for graduation.

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. If the student's term of residence in the University is but one year, this must be the senior year.

A year's work is interpreted as one-fourth of the total number of credits required for graduation.

Students who expect to receive a degree should, at the beginning of their last semester, file a petition to be admitted as a candidate.

PHARMACY CURRICULUM

FRESHMAN YEAR

FIRST SEMESTER

Course	Credits
Bot. 9. Gen. Phar. Botany	4
Chem. 1. General Chemistry	4
Eng. 1. English Composition	3
Math. 1. Freshman Mathematics	4
Phar. 1. History of Pharmacy	2
P.E. Physical Education	1
	18

SECOND SEMESTER

Course	Credits
Chem. 2. General Chemistry	4
Eng. 2. English Composition	3
Math. 2. Freshman Mathematics	4
Phar. 12. Theory of Pharmacy	4
Phar. 54. Pharmaceutical Technique	1
P.E. Physical Education	1
	17

SOPHOMORE YEAR

FIRST SEMESTER		Credits
*Chem. 51. Inorganic Chemistry or Ph. Chem. 61. Quant. Ph. Chem.		4
Econ. 51n. Principles of Economics		3
Phar. 2. Pharmaceutical Latin		2
Phar. 41. Operative Pharmacy		4
Zool. 1. General Zoology		4
P.E. Physical Education		1
		18

SECOND SEMESTER		Credits
*Chem. 52. Inorganic Chemistry or Ph. Chem. 62. Quant. Ph. Chem.		4
Econ. 52. Principles of Economics		3
Phar. 104. Pharmaceutical Jurisprudence		2
Phar. 42. Operative Pharmacy		4
Zool. 6. Physiology		3
P.E. Physical Education		1
		17

JUNIOR YEAR

FIRST SEMESTER		Credits
Bact. 51. General Bacteriology		4
Chem. 101. Organic Chemistry		5
Phar. 157. Commercial Pharmacy		3
Ph'cog. 131. Gen. and Mac. Ph'cog.		3
*Language or Electives		3-4
		18-19

SECOND SEMESTER		Credits
Chem. 102. Organic Chemistry		3
Phar. 56. Public Health or Bact. 104. Pathogenic Bacteria		3-4
Phar. 4. Phar. Calculations		3
Phar. 158. Commercial Pharmacy		3
Ph'cog. 132. Gen. and Mac. Ph'cog.		3
*Language or Electives		3
		18-19

SENIOR YEAR

FIRST SEMESTER		Credits
Phar. 151. Dispensing		4
Phar. 153. Advanced Theory of Phar.		3
Ph'col. 161. Pharmacology		3
†Ph. Chem. 155. Quant. Phar. Chem.		2
*Physics or **Electives in Pharmacy		4-7
		16-19

SECOND SEMESTER		Credits
Phar. 152. Dispensing		3
Phar. 154. Advanced Theory of Phar.		4
Ph'col. 162. Pharmacology		4
Chem. 112. Bio-Chemistry, Zool. 4. Comparative Anatomy of Vert.		
*Physics or **Electives in Pharmacy		8
		19

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 are one-year curricula in auto-mechanics, aviation mechanics, carpentry and trade dressmaking. For outlines and descriptions of these courses, see the Southern Branch catalog.

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*Pharmacy students intending to complete the pre-medical requirements should take Chem. 51-52, Inorganic Chemistry in the Sophomore year, French or German in the Junior year, and Zoology or Physics in the Senior year.

**Suggested electives: Ph. Chem. 151, Organic Pharmaceutical Preparations; Ph. Chem. 152, Inorganic Pharmaceutical Preparations; Ph. Chem. 154, Toxicology; Ph'col. 152, Microscopic Pharmacognosy; Ph'col. 163, Biological Therapeutics; Ph'col. 166, New and Non-Official Remedies.

†Ph. Chem. 155 is required of those students who complete Ph. Chem. 61 and 62. It may be elected by those students who have completed Chem. 51 and 52.

PART IV

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

The Agricultural Experiment Station

EDWARD JOHN IDDINGS, M.S.....*Director*
AUDELLA JOHNSON.....*Secretary of the Staff*
CHARLES WILLIAM HUNGERFORD, PH.D.....*Vice Director and Chairman of the Project Committee*
CLAUDE WAKELAND, PH.D.....*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 experiments bearing directly on the agricultural industry in the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories.

The Adams Act, approved March 16, 1906, doubled the original federal funds available for experimentation and research. The Hatch Act made possible the beginning of scientific investigation of problems peculiar to Idaho's agriculture; the Adams Act expressly sanctions and encourages original research along agricultural lines. The Purnell Act, approved February 24, 1925, provides, in the language of the law, "the more complete endowment and maintenance of the agricultural experiment stations." In attempting to interpret the will of the Congress in providing this additional support for research of interest and value to farmers, special attention is given to the study of problems in the 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 1935-1936 biennium the following funds were available for the work of the Agricultural Experiment Station: Federal appropriation, $180,000; State appropriation, $42,868.76; and local income from the several substations estimated at $29,727.

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 Chemistry, Agricultural

Economics, Agricultural Engineering, Agronomy, Animal Husbandry, Bacteriology, 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; breeding and management studies; a study of diseases of animals; experiments for the control of insect pests; breeding of forage crops; variety tests of wheat, oats, barley, peas, and potatoes; a study of chlorosis of plants; an investigation of alkali soils; pea germination studies; a study of vitamin efficiency of Idaho food plants; apple breeding; cherry cracking; fertilization of apple, cherry, and prune orchards; maturity and storage of apples and cherries; cherry pruning experiments; variety tests in vegetable growing; experiments for the control of potato diseases and bean mosaic; experiments in control of legume bugs on beans and alfalfa; spraying experiments on fruit insects; pea weevil, wireworm, and beet leaf hopper investigations, cooperating with United States Department of Agriculture; control of vegetable and truck crop insects; investigations of farm organization, livestock and crop management, and of marketing problems; land use; 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, Morrill Hall, Entomology Building, and the Dairy Building. An entomological field laboratory is maintained at Parma. Agricultural Engineering laboratories are located in the engineering shops. Greenhouse facilities are provided for such lines of investigation as require them. The college farm of 740 acres supports splendid herds of beef and dairy cattle, hogs, and sheep, from which individual animals are selected for experimental feeding purposes. This farm also provides experimental fields of ample dimensions for the use of the Departments of Agronomy, Chemistry, Horticulture, and Plant Pathology, and breeding pens for the Department of Poultry Husbandry.

Farming conditions within the State are so varied that it is necessary to conduct many lines of investigation away from the central station. The 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 small dairy herd and is used for investigations in animal feeding and diversified farmng. A feeding plant erected there in 1919 provides for 144 head of cattle and from 500 to 700 head of sheep. The High Altitude Substation at Tetonia conducts 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, including an Entomological Field Station at Parma, are maintained by means of field stations where most of the work is carried on during the summer. 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 219 bulletins, 74 circulars, 11 research bulletins, and 135 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 Uni-

versity, 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

ARTHUR WILLIAM FAHRENWALD, E.M., MET.E.....*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 Geological Survey and other governmental bureaus. The State and Federal bureaus employ metallurgical, mining 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.

Agriculture and Home Economics Extension

EDWARD JOHN IDDINGS, M.S.....*Director*
JOHN HENRY REARDEN.....*State County Agent Leader and State Club Leader*
MARION MARTHA HEPWORTH.....*State Home Demonstration Leader*

FOR many years the College of Agriculture of the University has rendered service to the farmers of the State through farmers' institutes, the publishing of bulletins and circulars, judging at fairs, answering 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. Offices of the field specialists are at Boise. The county extension agents number 28. General supervision of the county agents is under a County Agent Leader. Home demonstration agents are supervised by a State Home Demonstration 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 approximately 5,000 boys and girls in 1935. 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, 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 improvement. 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.

Cooperation with the Agricultural Adjustment Administration in production control programs during the past two years has brought greatly increased responsibility and volume of work to the Idaho Extension Service.

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 a $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 regulation 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 must be paid when enrolling for the course. **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 indi-

vidual 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 college (except that elementary courses in foreign languages may under certain conditions be so credited).

Courses marked with a "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.

Course		Credits
	AGRICULTURE	
	Agricultural Economics	
C103.	Agricultural Economics	3
C119.	Marketing of Farm Products	3
	Agricultural Engineering	
C161.	Irrigation practice	2
	Agronomy	
C1.	General Crop Production	3
	Animal Husbandry	
C106.	Animal Nutrition	3
C133.	Swine Production	2
C135.	Sheep Production	2
	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
	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
C122.	Advertising Layout	2
	BACTERIOLOGY	
C54.	Public Health and Hygiene	3
	BOTANY	
C1.	General Botany	3
C54.	Systematic Botany	3
	BUSINESS ADMINISTRATION	
C81.	Elementary Accounting	3
C82.	Elementary Accounting	3
C113.	Statistics	3
C165.	Business Law	3
C166.	Business Law	3
C169.	Marketing	4
C181.	Advanced Accounting	3
C182.	Advanced Accounting	3
C185n.	Cost Accounting	2
C186.	Cost Accounting	2
C187.	Income Tax Accounting	3
C191.	Methods in Commercial Teaching	3
	THE CLASSICS IN ENGLISH	
C53.	Scientific Terminology	2
	ECONOMICS	
C51n.	Principles of Economics	3
C52.	Principles of Economics	3
C105.	Money and Banking	3
C106.	Money and Banking	3
	EDUCATION	
C1.	Introduction to Education	2
C2.	School-Room Management	2
C55.	Idaho Law, Manual and Civics	2
C59.	Principles of Teaching	3
C107.	History of Education	3
C108.	Educational Sociology	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
C151.	Vocational Education	2
	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
C130.	D.C. and A.C. Machinery-Theory	4
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
C175.	Readings in European Literature	2

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
C111.	Advanced Composition	2
C112.	Advanced Composition	2
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

GEOLOGY

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

GERMAN

C1n.	Elementary German	4
C2.	Elementary German	4
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

C13.	Classical Civilization	3
C14.	Classical Civilization	3
C55.	Nineteenth Century	3
C56.	Nineteenth Century	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
C101.	Horace	3
C107.	Teachers' Review of Latin	3
C108.	Teachers' Review of Latin	3
C124.	Teachers' Course	2

MATHEMATICS

C1.	Freshman Mathematics	4
C2.	Freshman Mathematics	4
C11.	Freshman Mathematics	5
C12.	Freshman Mathematics	5
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	3
C110.	Philosophy of Science	3

POLITICAL SCIENCE

C1.	American Government	3
C2.	American Government	3
C75.	State Government in the United States	3
C76.	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	3
C151.	Psychology of High School Subjects	2
C153.	Psychology of Adolescence	3

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 11 to July 19, 1935

J. FRANKLIN MESSENGER, PH.D.....*Director*

VISITING FACULTY MEMBERS
1935 Summer School

HAROLD BACHMAN.....*Band and Orchestra Leader, Chicago*
REBECCA J. COFFIN, B.S., A.M.....*Principal of the Elementary School Division, Lincoln School, Teachers College, Columbia University*
HOWARD GODING.....*Professor of Music, New England Conservatory of Music*
J. WILLIAM HARRIS, PH.D.....*Dean of School of Education, College of the Pacific*
CHESTER COLLINS MAXEY, PH.D.....*Dean and Professor of Political Science, Whitman College*
OSBOURNE MCCONATHY.....*Author and Lecturer on Music*
JULIUS J. OPPENHEIMER, PH.D.....*Dean of the College of Liberal Arts, University of Louisville*
EDWIN J. STRINGHAM, PH.D.....*Professor of Music, Columbia, Univ.*
ALEXANDER THIEDE.....*Violinist and Orchestra Conductor, Boston*
KARL ZEISE.....*Cellist and Music Teacher, Boston*

ADMISSION.—The courses of the Summer School are open on the same terms as those of the regular session, as described in Part II of this catalog. 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 four summer sessions and outside work during the intervening years.

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

COURSES OFFERED IN 1935 SUMMER SCHOOL

For description of courses see Part V of this catalog.

AMERICAN HISTORY

Course	Credits
S121. Reconstruction Periods (1865-1935)	2
S127. American Frontiers	2
S211. Problems in the History of the West	2
S225. Research	2

ATHLETIC COACHING

The University coaches were available for conferences and lectures on athletic coaching. No credit given.

Course		Credits
	BOTANY	
S3.	Principles of Botany	4
S54.	Systematic Botany	2
S105.	Plant Ecology	2
S109.	The Teaching of Botany	2
S125.	Pro-Seminar	1
S207.	Advanced Taxonomy	2
S221.	Seminar	1
S231.	Research	2
	BUSINESS	
E	Typewriting	0
S165.	Business Law	2
	ECONOMICS	
S51n.	Principles of Economics	2
S52.	Principles of Economics	2
S106.	Money and Banking	2
S109.	Public Finance	2
S213.	Seminar	2
	EDUCATION	
S2.	School Room Management	2
S16.	Art Education	2
S55.	Idaho Law, Manual, and Civics	2
S101.	Elementary Supervision	2
S102.	Books and Their Uses in Elementary Schools	2
S107.	History of Education	2
S113.	Secondary Education	2
S114.	High School Methods	2
S115.	Educational Guidance	2
S118.	The Teaching of Biology	2
S120.	The Teaching of General Science	2
S123a.	Rural Administration	2
S125.	High School Library Organization	2
S203.	Educational Measurements	2
S204.	School Administration	2
S207.	Supervision of Instruction	2
S210.	Philosophy of Education	2
S211.	Curriculum Construction	2
S212.	Curriculum Construction	2
S220.	Current Educational Literature	2
S241.	Character Education	2
S260.	Scientific Methods in Education	2
S265.	Seminar—American School System	2
	ENGLISH	
S10.	Special Writing	2
S18.	Introduction to Literature	2
S72.	Play Production	2
S118.	Victorian Poetry	2
S119.	American Literature	2
S174.	History of the Theatre	2
S198.	High School Journalism	2
S201.	Folk Literature	2
S207.	Special Problems in Teaching English	2
S210.	Foreign Backgrounds of English Literature	2
S214.	Studies in Biography	2
	EUROPEAN HISTORY	
S54.	Modern Europe	2
S106.	Recent Times	2
S204.	Research	2-4
S232.	Renaissance and Reformation	2
	GEOLOGY AND GEOGRAPHY	
S2.	Historical Geology	4
S12.	Economic Geography	2
S116.	Geology and Geography of Idaho and the Pacific Northwest	2
S225.	Research	2
	GERMAN	
S1n.	Elementary German	4
S2.	Elementary German	4
S13.	Intermediate German	4
S15.	Scientific German	2
S143.	Goethe	2
	HOME ECONOMICS	
S41.	Problems in the Modern Home	2
S133.	Practice Cottage	2
S141.	Interior Decoration	2
	MATHEMATICS	
S1.	Freshman Mathematics	4
S2.	Freshman Mathematics	4
S12.	Freshman Mathematics	5
S51.	Calculus	4
S52.	Calculus	4
	MUSIC	
S1.	Sight Singing and Ear Training	2
S3.	Elementary Harmony	2
S36.	University Chorus	1
S46.	University Orchestra	1
S70.	Idaho Chorus Plan	1
S111.	Instrumentation	2
S155.	Advanced Music Appreciation	2
S174.	Class String Instrument Teaching	1
S176.	Class Wind Instrument Teaching	1
S179.	Conducting	1
S191.	String Ensemble	1
S193.	Violin Repertoire	2
S201b.	Band Supervision	2
S201c.	Choral Music Supervision	2
S209.	Advanced Composition	2
S212.	Orchestration	2
S216.	History of Music	2
S279.	Advanced Conducting	2
	High School Band	
	High School Chorus	
	High School Orchestra	
	High School String Section	
	High School Wind Section	
	Cello (½ or 1 cr.)	
	Piano (½ or 1 cr.)	
	Violin (½ or 1 cr.)	
	Voice (½ or 1 cr.)	
	Wood and Brass Instruments (½ or 1 cr.)	
	PHILOSOPHY	
S51.	History of Ancient Philosophy	2
S106.	The State and the Individual	2
S204.	Seminar	2
	PHYSICS	
S1.	Elementary Physics	4
	POLITICAL SCIENCE	
S1.	American Government	2
S75.	State Government	2
S125.	Comparative Government	2
S136.	American Constitution	2
S201.	Seminar—Local Government	2
S205.	Principles of International Law	2

PSYCHOLOGY

Course	Credits
S1. General Psychology	2
S106. Infant and Child Psychology	2
S201. Advanced Educational Psychology	2
S205. Mental Hygiene	2
S211. Abnormal Psychology	2

SOCIOLOGY

Course	Credits
S51. Introduction to Sociology	2
S121. The Family	2
S151. Social Pathology	2

ZOOLOGY

S1. General Zoology	4
S58. Heredity and Eugenics	2
S107. Organic Evolution	2
S202 Research	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. See regulations of the separate divisions for requirements in courses numbered above 50.

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 4 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; 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. Analysis of various types of soil by standard methods, to determine the available and total soil constituents. Discussion of methods. Recommendation 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. Prerequisites: Chem. 1, 2, 51, 52, 101 and 102. (SNYDER)

153-154 Pro-Seminar or Thesis 2 or 3 credits Each semester (SNYDER)

Insecticides and Fungicides 3 credits Second semester

See Hort. 180. (Available to students in Agricultural Chemistry.)

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

Professor EKE, Associate Professor VOGEL, Mr. YOUNGSTROM

52 Farm Accounting 3 credits Second semester

Study of some of the accounting procedures particularly applicable to farming; interpretation of statistical data relating to agriculture; graphic presentation of factual material.

For Advanced Undergraduates and Graduates

103 Agricultural Economics 3 credits First semester

Study of some of the economic forces closely related to agriculture. Special emphasis upon prices, agricultural credit, taxation, and tariffs. Relation of these subjects to Idaho farming. Prerequisite: Econ. 53.

108 Farm Management 3 credits Second semester

Types of farming; relation of factors of production to profits in farming; budgeting; outlook material as a source of information for planning the farm business. Prerequisite: Ag. Econ. 103. (Not open to students with credit in Agron. 110.)

119 Marketing Farm Products 3 credits First semester

Description of the various services performed in marketing agricultural products; marketing methods; marketing agencies; analysis of the operations of the produce exchanges; future trading; governmental authority in relation to marketing; analysis of the organization, methods, and policies of cooperative marketing and purchasing agencies. Prerequisite: Econ. 53. (Not open to students with credit in Econ. 118, Ag. Econ. 118, Econ. 120 or Ag. Econ. 120.)

150 Land Economics 3 credits Second semester

The utilization of agricultural land; land appraisal; political and economic problems of land development; land tenure; relation of population growth to economic utilization of land. Research methods used in land-use studies. Zoning of rural areas. Prerequisite: Ag. Econ. 103.

171-172 Pro-Seminar in Current Agricultural Economic Problems 1 credit Each semester

Primarily a discussion group participated in by the students under the leadership of members of the staff. Designed to keep the students acquainted with current developments. Prerequisites: Ag. Econ. 103, senior standing.

Primarily for Graduates

201-202 Research Credits to be arranged Each semester

203-204 Seminar 1 credit Each semester

AGRICULTURAL EDUCATION

Professor LATTIG, Associate Professor HOWARD, Mr. WISWALL

Primarily for Advanced Undergraduates

150 Extension Methods in Agriculture 2 credits Second semester

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

151 Vocational Education 2 credits First semester

Vocational education: its history, meaning, aims, administration and place in the school system. Required in Agricultural Education Curriculum. (Not open to Freshmen.) (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)

154 Methods in Teaching Farm Shop and Farm Mechanics

2 credits Second semester

A study of the application of efficient organization and management practices in teaching farm mechanics in vocational education in agriculture. Required in Agricultural Education Curriculum. (HOWARD)

155-156 Observation and Practice Teaching

1 to 5 credits Either semester

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

158 Auxiliary Problems 2 credits Second semester

A study of such problems as 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: Agr.Ed. 153. (HOWARD)

Primarily for Graduates

251-252 Seminar Credits to be arranged Each semester (LATTIG)

253-254 Research Credits to be arranged Each semester (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 Agricultural Engineering 3 credits Second semester

Elementary problems of the application of engineering to agricultural equipment and production. Two lectures and one three-hour laboratory period a week. (BERESFORD)

5 Concrete 1 credit First semester

Practical problems in the use of concrete on the farm and ranch. Methods of insulation and waterproofing, 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 dimensions. One 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 of 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, heating, illumination. Protection against lightning and fires. Farm sanitation 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 agricultural power. Fuels, lubricants, 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 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; dairy plant ventilation and sanitation. Two lectures and one three-hour laboratory period a week. (BERESFORD)

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, 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: Junior standing. (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 KLAGES, Assistant Professors MICHELS and BAKER, Mr. BUSCHLEN

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. (KLAGES, BUSCHLEN)

51 General Soils 4 credits First semester

An elementary course dealing with origin, mechanical analysis, structure, organic matter, moisture and soil air; their relationships; and influences on cultural practices. Three lectures and one three-

hour laboratory period a week. Prerequisite: sophomore standing. (BAKER)

52 General Soils (Forestry Majors) 4 credits Second semester
An elementary course dealing with origin, mechanical analysis, structure, organic matter, moisture and soil air; their relationships; and influences on cultural practices. Special emphasis will be given to forest soils. Three lectures and one three-hour laboratory period a week. Prerequisite: sophomore standing. (BAKER)

For Advanced Undergraduates and Graduates

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. (BUSCHLEN)

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. (KLAGES)

106 Seed Analysis and Identification 3 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. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 1. (KLAGES)

108 Forage Crops and Sugar Beets 3 credits Second semester
In production and utilization of annual and perennial forage plants and sugar beets; the establishment and care of tame meadows and pastures as well as the conservation, management and improvement of native meadow and pasture lands. Three lectures a week. Prerequisite: Agron. 1. (KLAGES)

109 Grading and Marketing of Peas and Beans
2 credits First semester
A study of federal grading standards, processing methods, utilization and marketing of peas and beans. Junior or senior year. One lecture and one three-hour laboratory period a week. Prerequisite: Agron. 1.

111 Crop Ecology 3 credits First semester
The study of crop plants in relation to their physiological and social environment and the main underlying factors determining the geographical distribution of field crops. Three lectures a week. Prerequisite: junior standing. (KLAGES)

113-114 Pro-Seminar (Crops or Soils) 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. (KLAGES, BAKER)

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. (KLAGES, MICHELS, BAKER)

153 Advanced Soil Fertility 2 credits First semester
A study of the principles underlying absorption, fixation and liberation of plant nutrients in the soil and how they influence the soil solution and crop production. Prerequisite: Agron. 156 or 157. (BAKER)

154 Origin and Classification of Soils 3 credits Second semester
Influence of parent material, climate and vegetation on the development of soils. Classification of soils by the bureau of soils method and in relation to problems of land utilization. Practice in field mapping. Two lectures and one three-hour laboratory a week. Prerequisite: Agron. 51 or 52. (BAKER)

156 Soil Management 2 credits Second semester
A consideration of the external factors influencing plant nutrition, the fertility of different soils, principles underlying the management of soils and utilization of fertilizers and manures. Two lectures a week. Prerequisite: Agron. 51 or 52, junior standing. (BAKER)

157 Soil Physics 3 credits First semester
The physical constitution and properties of soils; their relation to structure, moisture, aeration and temperature. Practical applications to cultural practices and erosion problems. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 51 or 52. (BAKER)

Primarily for Graduates

213-214 Research (Crops or Soils) 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. (KLAGES, MICHELS, BAKER)

215-216 Seminar (Crops or Soils) 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. (KLAGES, BAKER)

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. Representative topics: 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)

61 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. (BROSNAN)

62 America a World Power, 1865-1936

3 credits Second semester

From Civil War to present time. Representative topics: political, social and economic reconstruction; big business; Spanish-American War; Theodore Roosevelt; Woodrow Wilson and World War; war's aftermath; Coolidge post-war boom; gilded age and machine age; great depression; prohibition; unemployment; collapse of individualism; N.R.A. and "New Deal." (BROSNAN)

For Advanced Undergraduates and Graduates

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; secession; the Civil War, 1861-1865. Prerequisites: Hist. 1-2, or 13-14, or 21-22. (Not given in 1936-37.) (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, or junior standing. (BROSNAN)

116 History of American Diplomacy Since Civil War

3 credits Second semester

Diplomatic problems of Civil War and reconstruction; Pan-Americanism; New Monroe Doctrine; emergence from isolation and Spanish war; path of empire; Panama canal and the Caribbean; League of Nations; World Court; World Bank; world depression; war debts; quest for peace; today's world problems. Prerequisites: Hist. 1-2, or 13-14, or 21-22, or junior standing. (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 1936-37.) (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; migration 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, or junior standing. (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, or junior standing. (BROSNAN)

127 American Frontier 3 credits First semester

History of westward-moving pioneers across continent and their occupation of these seven major frontiers: Atlantic Coast, Falls Line, Appalachian Barrier, Ohio Valley, Mississippi Valley, Upper Bend of Missouri, and Pacific Coast Frontiers. Representative topics: Daniel Boone's Wilderness Road; "Down-the-Ohio"; Conquest of Old Northwest; Louisiana; Aaron Burr; Cumberland Road; Oregon and the Santa Fe Trails; Mormons; "Forty-Niners"; Union Pacific Railway and passing of the Last Frontier. Prerequisites: Hist. 1-2, or 13-14, or 21-22, or junior standing. (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, or junior standing. (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

Credits to be arranged Each semester

Supervised individual investigation of topics selected in conference with the instructor and documented reports embodying the results of research. (BROSNAN)

227-228 Seminar in American History 2 credits Each semester

Intensive studies and discussions of reports presented in American History. The special interests of the students will be considered in the selection of the fields of study. (BROSNAN)

ANIMAL HUSBANDRY

Professor HICKMAN, Associate Professors NORDBY and GILDOW, Assistant Professor BEESON

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)

56 Meat 1 credit Second 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)

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 characteristics of the various improved breeds of domestic animals. Practice work in judging representatives of the various breeds according to standards set by breed associations and by the show-ring. One lecture and one three-hour judging period a week. Required of juniors in Animal Husbandry. Prerequisite: A.H. 1. (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. (BEESON)

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. (BEESON)

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)

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, BEESON)

159-160 Thesis 1 credit Each semester

Required for graduation in Animal Husbandry. (HICKMAN, NORDBY, GILDOW, BEESON)

171 Comparative Anatomy and Physiology

4 credits First semester

A comparison of the structures and functions of the systems of the domestic animal with special attention to the skeletal, digestive, reproductive, circulatory systems and endocrine glands. Special problems permit students to study specific species. Three class periods, one laboratory weekly. (GILDOW)

174 Animal Diseases (infectious) 3 credits Second semester

A study of the cause, transmission, susceptibility, symptoms, diagnosis, prevention and control of major infectious diseases and parasites of domestic animals. Specific problems permit students to specialize in one or more species. Three class periods weekly. (GILDOW)

175 Parasites and Parasitosis of Domestic Animals

3 credits First semester

A study of the life cycle, distribution, economic importance and control of insects, ticks, mites, roundworms, flat worms, protozoa and other parasites of domestic animals. The pathology of the host and the importance of parasites as vectors of disease will be considered. Two lectures and one laboratory period weekly. Prerequisite: Junior standing. (GILDOW and SHULL*)

*Department of Entomology.

176 Animal Diseases (non-infectious) 2 credits Second semester
A consideration of the general factors related to diseases of and first aid for farm animals; symptoms; diagnosis; the farm medicine chest; wound treatment; dehorning; castrating; docking; unsoundness; physical examination; obstetrics; diseases of the feet, bones, joints, digestive and reproductive organs; nutritional diseases; and plant and mineral poisons. One lecture and one laboratory period weekly. (GILDOW)

Primarily for Graduates

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

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 application of washes are introduced. Three hours drawing twice a week. Should be taken in conjunction with Arch. 13-14. (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 drawing once a week. Prerequisite: Arch. 13. (MELZIAN)

53-54 Intermediate Architectural Design
3 credits Each semester
A series of problems in architectural composition and planning. Three hours drawing three times a week. Prerequisite: Arch. 11-12. (MELZIAN)

For Advanced Undergraduates and Graduates

115-116 Architectural Design 4 credits Each semester
A continuation of Arch. 53-54. Three hours drawing four times a week. Prerequisite: Arch. 53-54. (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. (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 Plants of Buildings 3 credits Second semester
The mechanical plant in its relation to the architectural prob-

lem. Insulation, acoustics, plumbing, and electrical installation, their fundamental principles and their application in the details of modern work. Three lectures a week. (MELZIAN)

ART

Primarily for Undergraduates

1-2 Freehand Drawing 2 credits Either semester

The principles of freehand drawing and the elements of composition. Two three-hour laboratory periods a week. No prerequisites. (PRICHARD)

3-4 Principles of Design 2 credits Either semester

Principles of design in line, value, and color, to develop power of appreciation and creation of good design. (KIRKWOOD)

5-6 Life Drawing 2 credits Either semester

Drawing from life and nature. For students who enter with advanced credit, or can show skill. Credit will be allowed for both Art 1-2 and 5-6. (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 other 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, or 5-6. (PRICHARD)

103-104 Applied Design 2 credits Each semester

Advanced design and the crafts. 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 and nature. Three hours each week per credit. Prerequisites: Art 1-2 or 5-6 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 or 5-6. Three three-hour periods a week. (KIRKWOOD)

121 Alphabets 2 or 3 credits First semester

Mechanics of lettering and a study of historic style. 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. Prerequisites: 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, KIRKWOOD)

129-130 History of Painting 2 credits Each semester
A technical study of the great painters of history. Preliminary 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)

143-144 Pottery 2 credits Each semester
Hand-built pottery; use of wheel; glazing and firing. Classes will be limited. Prerequisite: Junior standing. (PRICHARD)

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

BACTERIOLOGY

Professor HALVERSEN, Assistant Professors CHERRINGTON and DUNLAP, Mr. DALY

Primarily for Undergraduates

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. Organic Chemistry is recommended. (HALVERSEN, DALY)

54 Public Health and Hygiene 3 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)

For Advanced Undergraduates and Graduates

104 Pathogenic Bacteria 4 credits Second semester
A study of the most important disease-producing organisms. Emphasis is placed on cultural, biochemical and morphological characteristics which serve as a means of their identification. 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 cultural 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. Prerequisites: Bact. 51 and 104. (DUNLAP)

110 Serology 3 credits Second semester

A continuation of Bact. 109. Hematology, complement fixation and serum reactions are emphasized. Prerequisites: Bact. 51, 104 and 109. (DUNLAP)

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.

125 Soil Microbiology 4 credits First semester

A study of microbial activities in soil which affect the production of plant food and crop producing power. Alternate years. Prerequisites: Agron. 51, Bact. 51.

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 ALCORN, Mr. LONG, Mr. FERNHOLZ, Miss ALLEN, Mr. WORLEY

Primarily for Undergraduates

1-2 General Botany 4 credits Each 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, ALCORN, FERNHOLZ, ALLEN, WORLEY)

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. (ALCORN)

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. Three class periods and two laboratory periods a week. (LONG, ALLEN)

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. One lecture and two laboratory periods a week. Prerequisites: Bot. 1-2, 3 or 11. (GAIL, ALCORN, 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, LONG, FERNHOLZ)

104 Plant Anatomy 4 credits Second semester

Study of tissues of vascular plants from the standpoint of origin, development, and function Technique of killing, staining, and mounting material for permanent microscopic preparations. Two lectures and two three-hour laboratory periods a week. Prerequisites: Bot. 1-2, 3, or 11 and Chem. 1-2, (ALCORN)

105 Plant Ecology 3 credits First semester

Comparative study of plant tissues from the standpoint of origin and role, followed by laboratory 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 101-102. (LONG)

110 The Teaching of Botany 2 credits Second 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 General Fungi 4 credits First semester

A general survey of the groups of fungi with special emphasis on the Myxomycetes and Phycomycetes. Two lectures and six laboratory hours a week. Prerequisites: Bot. 1-2, 3 or 11, and 53-54. (ALCORN)

121 Morphology of Thallophytes and Bryophytes
4 credits First semester

A thorough study of a series of algae and mosses forms the basis of lectures upon the morphology, life histories and classifications of these groups. Two lectures and two laboratory periods a week. Prerequisites: Bot. 1-2, and 53-54. (ALCORN)

122 Morphology of Pteridophytes and Spermatophytes 4 credits Second semester

A continuation of Bot. 121. Two lectures and two laboratory periods a week. Prerequisites: Bot. 1-2, 53-54, and 121. (LONG)

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, ALCORN, ALLEN, LONG, FERNHOLZ)

Primarily for Graduates

203 Plant Nutrition 3 credits First semester

The inorganic and organic nutrition of plants. Two lectures and one laboratory period. Prerequisites: Bot. 101-102 and Chem. 101-102 or Ag. Chem. 2. (LONG)

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. Prerequisites: Bot. 1-2, 53-54, and 121-122. (GAIL)

210 Plant Cytology 4 credits Second semester

A study of the structure of the plant cell with special attention given to its bearing upon reproduction and evolution. Prerequisites: Bot. 53-54, 121-122, 104, and 101-102, and Chem. 1-2. (FERNHOLZ)

212 Morphology of the Ascomycetes and Basidiomycetes 3 credits Second semester

The morphology, collection, and identification of the higher fungi, with some emphasis on the economic importance of the groups. One lecture and six laboratory hours a week. Prerequisites: Bot. 1-2, 3 or 11, 53-54, and 111. (ALCORN)

221-222 Botanical Seminar 1 credit Each semester

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

231-232 Research Credits to be arranged Each semester

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

BUSINESS ADMINISTRATION

Professors FARMER and GRAUE; Assistant Professors DAVISON, FOLZ, REIERSON, and WILDE; Mr. MOORE, Miss WELDON
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 10 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 10 minutes must register for four credits. Prerequisites: Bus. 15n-16 or two years of high school shorthand.

73-74 Expert Dictation 2 credits Each semester

Advanced dictation and court reporting. Prerequisite: a speed of 125 words a minute. (Given in alternate years. Not given 1936-37.) (REIERSON)

76 Office Practice and Procedure 2 credits Second semester

Training in the various methods of filing; use of mimeograph, multigraph, dictaphone, the telephone, and telegraph. Secretarial ethics and standards. Prerequisite: Bus. 15n-16. (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

107 Transportation 3 credits First 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. (FOLZ)

124 Financial Administration 3 credits Second semester

The financial problems of business enterprises. (FARMER)

126 Analysis of Financial Statements 2 credits Second semester

(Not given 1936-37.)

129-130 Retail Merchandising 3 credits Each semester

Types of retail stores, problems of location, buying, merchandising, and store management. Prerequisite: Bus. 169. (DAVISON)

132 Sales Management 3 credits Second semester

Responsibility of sales management to business and society. Paying, selecting, and training salesmen. Market research; sales planning and sales strategy. Coordination of sales effort with other departments. Prerequisite: Bus. 169. (DAVISON)

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*Students who enter the University of Idaho with two years of high school shorthand will continue in Bus. 71-72. Those who have had one year of shorthand may take Bus. 16, but in many cases it will be advisable to register for Bus. 15n in review without credit for one semester.

134 Industrial Management 3 credits Second semester

The individual business and its conditioning factors of location, buildings and equipment, organization, layout, materials, production control, cost control, and personnel policies. (MOORE)

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 Problem 2 credits Second semester

Prerequisite: Bus. 141. (Not given 1936-37.)

152 Personnel Administration 3 credits Second semester

The technique of employment management. (Not given 1936-37.) (MOORE)

162 Office Management 2 credits Second semester

A study of the factors contributing to efficiency in office organization and management. Methods employed in selection, placement, and training of office employees.

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

Purpose of control; formal and informal controls; behavior and significance of costs under control; standards and data for guidance and censorship under control. The economic aspects of government legislation will be critically analyzed. (MOORE)

169 Marketing 4 credits First semester

A description and analysis of the marketing processes, with an evaluation of marketing institutions and middlemen according to the functions they perform. Prerequisite: Econ. 51-52. (DAVISON)

175 Principles of Advertising 3 credits First semester

The proper function of advertising. Elementary problems of space, type, copy, display, and media. Advertising and sales motivations and their use. Prerequisite: Junior standing. (DAVISON)

176 Retail Advertising 2 credits Second semester

Emphasis on advertising for the retail store, with written exercises in layout and copy. Store display and sales promotions through advertising media. Prerequisite: Bus. 175. (DAVISON)

177 Insurance 3 credits First semester

Principles and practice 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 4 credits First semester

A study of the various methods used in teaching typewriting, shorthand, transcription, bookkeeping, junior business training, office practice, and other allied business subjects. Open to students who have taken Bus. 15n-16, 81-82, E-F, or their equivalent.

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)

193 Advanced Statistics 3 credits Second semester

A study of methods of correlation analysis as applied to business and economic data. Prerequisite: Bus. 113. (FOLZ)

Primarily for Graduates

205-206 Seminar in Accounting 2-4 credits Each semester

Students will be assigned one American Institute of Accountants examination each week for independent study. One class meeting per week for discussion of the assigned material. (WILDE)

211-212 Seminar in Business 2-4 credits Each semester

The topic for investigation and discussion will be selected from the field in which the student is engaged. (STAFF)

CHEMISTRY*

Professor KOSTALEK; Associate Professor CADY; Assistant Professors CONE†, DUSAULT, KLUG, LINDSAY, OWENS, REED; Mr. MARTIN, Mr. TURINSKY, Mr. TAYLOR†, Mr. ASHCRAFT, Mr. HALLER, Mr. JOHNSON, Mr. TORGESEN

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

Lectures, lecture demonstrations, quizzes, problems and labora-

*For Chemical Engineering Curriculum, see the College of Engineering section in Part III. For courses in Agricultural Chemistry and Soil Chemistry, see Agricultural Chemistry.
†On leave, 1935-36.

tory work. The laboratory work consists of a selection of representative experiments, including quantitative. Textbooks: Holmes' *Introductory College Chemistry,* University of Idaho *Laboratory Outline.* Two lectures, one quiz, and two laboratory periods a week. (KOSTALEK, CADY, DUSAULT, KLUG, LINDSAY, OWENS, REED, ASHCRAFT, HALLER, JOHNSON, TORGESEN)

2 General Chemistry 4 credits Second semester

Continuation of Chem. 1. The laboratory work consists of introduction to qualitative analysis, as a means of studying the general chemistry of cations. Periods as in Chem. 1. Prerequisite: Chem. 1. (KOSTALEK, CADY, DUSAULT, KLUG, LINDSAY, OWENS, REED, ASHCRAFT, HALLER, JOHNSON, TORGESEN)

51 Qualitative and Gravimetric Analysis

4 credits First semester

Theory and practice of analysis. The laboratory practice 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 calculations. Textbooks: A. A. Noyes' *Qualitative Chemical Analysis;* Chapin's *Second Year College Chemistry;* Willard-Furman *Elementary Quantitative Analysis.* Two classes and two laboratory periods a week. Prerequisite: Chem. 1 and 2. (MARTIN)

52 Quantitative Analysis (Volumetric)

4 credits Second semester

Continuation of Chem. 51. The laboratory work consists largely of volumetric analysis, including calculations. Textbooks: Willard-Furman *Elementary 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. (MARTIN)

53 Elements of Organic and Analytical Chemistry

4 credits First semester

(Laboratory practice in quantitative analysis and organic preparations). A condensed course of lectures, quizzes, and laboratory work, planned altogether for a special group of students in agriculture. 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. (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. (TURINSKY)

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 devoted to 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. (REED)

105-106 Physical Chemistry 3 credits Each semester

An introduction to physical chemistry from the standpoint of kinetic theory, thermodynamics, and the constitution of matter. The two recitations a week are devoted to discussions, problems, and quizzes over the subject matter. The one laboratory period includes determinations of molecular weight, conductance, potential, viscosity, surface tension, solubility, and calorimetry. Prerequisites: Chem. 1, 2, 51, and 52; first-year college physics; and Math. 51 and 52. (CADY, KLUG)

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. Prerequisites: Chem. 1, 2, 51, and 52, or their equivalent. (Not given in 1936-37 Summer Session.)

108 Industrial Chemistry 2 credits Second semester

A study of principles involved in chemical industries, with a discussion of raw materials, equipment, processes, products, and methods of control. Textbook: Read's *Industrial Chemistry*. Two class periods a week. Prerequisites: Chem. 1, 2, 51, 52, and 101. (LINDSAY)

109-110 Thesis 1 to 3 credits Each semester

Prerequisites: 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, 102, and six to eight credits of biological sciences. (OWENS)

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. (OWENS)

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: Perry's *Chemical Engineers' Handbook*. Prerequisites: Chem. 1, 2, 51, 52, 101, 102, 108, and M.E. 121. (LINDSAY)

114 Chemical Engineering 4 credits Second semester

A continuation of Chem. 113, including problems and discussion of filtration, grinding, mixing, extraction, distillation, and gas ab-

sorption. The laboratory work is devoted to specialized technical analyses and performance tests on various types of equipment used in the unit operations. Two class periods and two laboratory periods a week. Prerequisite: Chem. 113. (LINDSAY)

Primarily for Graduates

201-202 Advanced Organic Chemistry
1 to 3 credits Each semester

The lectures deal with selected phases of organic chemistry. Laboratory work consists of special preparations, and qualitative and quantitative organic analysis. Prerequisites: Chem. 101 and 102. (TURINSKY)

203-204 Research Credits to be arranged Each semester

It is intended to place the working and instructional facilities of the department at the disposal of properly qualified graduate students. (DEPARTMENTAL STAFF)

205-206 Seminar 1 credit Each semester

Required of graduate students majoring in chemistry. Prerequisites: Courses approved by the department. (DEPARTMENTAL STAFF)

207-208 Advanced Physical Chemistry 2 credits Each semester

A survey of the different divisions of the field, given from year to year by various members of the department. (In 1935-36, Chemical Thermodynamics, KLUG). Prerequisites: Chem. 101-102, and 105-106. (DEPARTMENTAL STAFF)

CIVIL ENGINEERING

Professor CRAWFORD, Associate Professor CARTER, Assistant Professors HOWARD and BUCHANAN, Mr. JANSSEN, Mr. DAVIDSON, Mr. MADSEN, Mr. HALL

Primarily for Undergraduates

1 Engineering Drawing 3 credits First semester

Freehand lettering; use of drawing equipment; principal view drawings; auxiliary views; sectional views; introduction to surface developments and intersections; isometric and oblique drawings; working drawings; a practical problem in drawing. One recitation and six hours per week in drawing room.

2 Descriptive Geometry 3 credits Second semester

Advanced orthographic drawing in principal views, auxiliary views, oblique views, and surface developments and intersections; problems in point, line, and plane; classification of lines and surfaces; practical problems in the application of engineering drawing and descriptive geometry. One recitation and six hours per week in drawing room. 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 students in forestry and mines. One recitation and six hours of field work and computations a week. Prerequisites: Math. 1 or 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. A topographic survey of a given area, including calculations, and a map is made. One recitation and six hours in the field 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; analytic and graphic methods of solution. Prerequisites: Math. 51 and Phys. 11.

8 Plane Curves 1 credit Second semester

Simple, compound, spiral, and parabolic curves. A recitation and problem course. Prerequisite: C.E. 3, or 3a.

10 Engineering Problems 1 credit Second semester

Training in computation and analysis of engineering problems. One laboratory period a week. Open to freshmen only.

11 Engineering Lectures 1 credit First semester

A survey of the engineering professions.

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. Passing grade in both recitation and laboratory are necessary to obtain credit in the course. 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

The study of 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 Second 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 1 or 2 credits Either semester
Investigation of road making materials. Prerequisite: C.E. 105. Elective.

112 Materials Testing Laboratory 1 credit Second semester
Properties of construction materials; design of mixes; inspection and interpretation of tests. Three hours in laboratory. Prerequisites: C.E. 105 and 109.

113 Railway and Highway Surveying 3 credits First semester
Six hours field and drafting room work and one recitation per week. A study of field methods of engineering works; surveys made, quantities computed; profiles, maps, mass diagrams, and earth cross-sections drawn. Prerequisite: Taken with C.E. 105 and C.E. 107.

120 Irrigation 2 credits Second semester
Principles of irrigation engineering; a study in soils, farm irrigation methods, design, construction and operation and maintenance of irrigation systems; land reclamation. Prerequisites: C.E. 103 and 104.

121 Structural Design 5 credits First semester
Structural theory; design of bridges and buildings; methods of construction; economics. Two recitations and nine hours in drafting room. Prerequisites: C.E. 102 and 106.

124 Contracts and Specifications 2 credits Second semester
Brief statement of law of contracts and consideration of general and technical clauses in engineering specifications. Prerequisite: Senior standing.

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. Prerequisite: Senior standing.

130 Thesis 3 credits Either semester
A problem in design or investigation. Open only to senior students of high standing.

133 Engineering Administration 2 credits First semester
Principles of organization and management. Prerequisite: Senior standing.

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.

136 Construction Methods 2 credits Second semester

A study of the ordinary methods of construction and the relation thereto of such elements as time, equipment, cost, and organization. Open to senior civil engineering students and other seniors by permission. Two recitations per week and written reports.

137 Statically Indeterminate Stresses 3 credits First semester

Methods of determining deflections and the general theory of statically indeterminate stresses. Two recitations and three hours in drafting room a week. Prerequisite: C.E. 102.

138 Valuations and Appraisals 2 credits Second semester

Valuations and appraisals of public utilities; rate structures; public utility economics. Two recitations per week and written reports. Prerequisite: Senior standing.

141 Water Supply 2 credits First semester

Principles involved in the design, construction, operation and maintenance of water supply systems; physical, chemical, and biological actions which take place in water purification; municipal and rural sanitation. Prerequisites: C.E. 103 and 104.

144 Sewers and Sewerage 2 credits Second semester

Principles involved in the design, construction, operation and maintenance of sewers and sewerage systems; physical, chemical, and biological actions which take place in sewage reduction and disposal; sewage and sewage sludge analyses. Prerequisites: C.E. 103 and 104.

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

Prerequisite: C.E. 137.

203 Advanced Hydraulic Theory

Credits to be arranged Either semester

Prerequisite: C.E. 104.

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. 137.

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 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 present two years of high school Latin for admission will ordinarily continue in Latin 3-4, the completion of which will fulfill the language requirement for the B.A. degree, but in special cases on written approval of the instructor they may register in Latin 2. Those who have had but one year are advised to register in Latin 1.

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 from 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 equivalent. (RENTFRO)

53-54 Advanced Latin 3 credits Each semester

Study of selections from standard Latin authors, the prose writers the first semester, poets the second semester. Investigation of their lives and criticism of their styles. Prerequisites: Lat. 3-4, or equivalent. (RENTFRO)

For 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. 53-54, or equivalent. (AXTELL)

102 Livy 3 credits Second semester

Translations of selections from Livy's history of Rome. Study of the principles of Latin narrative. Prerequisites: Lat. 53-54, or equivalent. (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 equivalent. Required for a recommendation to teach Latin (AXTELL)

121-122 Directed Reading 2 or 3 credits Each semester

Rapid translation of standard Latin authors not usually read in the first year of college. Selections 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 development of Latin literature to the third century A.D. Textbook, lectures, and outside reading in translation. Prerequisites: Lat. 53-54, or 101-102, or equivalent courses. (AXTELL)

124 Teachers' Course 2 credits Second semester

Comprehensive and advanced work in detail in Latin philology necessary for the efficient teacher. Ideals, means, and methods of teaching Latin in the high school. Prerequisites: Lat. 53-54, or 101-102, or equivalent courses. (AXTELL)

125-126 Pro-Seminar 1 to 3 credits Each semester

A study of antiquities and topography of Rome. Prerequisite: 6 credits in advanced undergraduate courses in Latin. (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 their 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 49. 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. Prerequisites: Greek 1n-2. (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, Promethus Bound,* or *Alcestis*. Lectures and papers on the evo-

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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.

lution of classic 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, paintings, and other fine arts. Recognition of famous examples found in modern galleries and museums. (AXTELL)

DAIRY HUSBANDRY

Professors THEOPHILUS and FOURT, Mr. HANSEN, Mr. SHAW

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. (SHAW)

For Advanced Undergraduates and Graduates

106 Dairy-Cattle Judging 2 credits Second semester

A study of types of the various breeds of dairy cattle, with comparative judging. Prerequisite: D.H. 2. (FOURT)

107 Advanced Dairy-Cattle Judging 1 credit First semester

Continuation of D.H. 106. (FOURT)

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. (FOURT)

110 Judging Dairy Products 1 credit Second semester

A study of quality and market standards in dairy products, including practice of 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. 110. (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. (FOURT)

121 Factory Management 2 credits First semester

The location, construction, organization, 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. (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. (THEOPHILUS, FOURT)

133-134 Thesis 1 credit Each semester

Required for graduation in Dairy Husbandry. (THEOPHILUS)

Dairy Bacteriology 3 credits Either 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
(STAFF)

231-232 Graduate Research Credits to be arranged Each semester
(THEOPHILUS, FOURT)

Dramatics
(See under *English*)

ECONOMICS

Professors FARMER and GRAUE; Assistant Professor FOLZ, Mr. MOORE

Primarily for Undergraduates

51n-52 Principles of Economics 3 credits Each semester
A study of contemporary economic institutions—their foundation, organization, and principles of working order as displayed by scientific inquiry. (GRAUE, FOLZ and MOORE)

53 Principles of Economics 4 credits Each semester
A study of economic theory and its application to present-day economic problems and institutions. This course is not intended for those majoring in business administration or economics. (FOLZ)

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
Position of the laborer in the social structure; causes of labor unrest; analysis of unemployment and suggested solutions; wage theories; contemporary trade unionism; government regulation. (MOORE)

152 Advanced Economic Theory 3 credits Second semester
A study of the analysis of economic organization by Alfred Marshall. Prerequisite: Senior standing in Business Administration or Economics. (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 2-4 credits Each semester
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. (FOLZ)

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 recommended 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. For non-educational students. (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)

102 Books and Their Uses in Elementary Schools 2 credits Summer Session

A course designed to acquaint the teachers with available literature for elementary pupils. (COFFIN)

107 History of Education 3 credits First 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)

108 Educational Sociology 3 credits Second semester

A study of the relation of education to present-day social problems. Prerequisite: Ed. 107. (MESSENGER)

111 The Junior High School 3 credits First semester

A study of the fundamental principles of present-day reorganization of high school education, with special emphasis upon junior high school organization, administration, and methods 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 and Educational Psychology. (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)

118 The Teaching of Biology 2 credits Summer Session

Discussions of the subject matter and how to present it to Biology students. The collection, care, and preservation of biological material. Demonstrations of important biological principles.

120 The Teaching of General Science 2 credits Summer Session

This course reviews briefly the major goals of science teaching, then deals at length with the following topics: methods and techniques, the method of science, the text book, motivation in science, visual education, field trips and supervised study, testing and quizzes, the science laboratory.

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.

125 High School Library Organization

2 credits Summer Session

School library management, with special emphasis on reference material and problems, and elementary cataloguing. The course is planned as a help to the teachers who, without other library training, find it necessary to supervise and care for the school book collection. (LIBRARY STAFF)

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)

131a Observation and Teaching in Music
4 credits Either semester

131b Observation and Teaching in Commercial Subjects
4 credits Either semester

Observation and Teaching in Home Economics
3 credits Either semester
See H.Ec. 157.

Observation and Practice Teaching in 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. (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. (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. (HARRIS)

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 of curriculum 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)

265-266 Seminar 2 credits Each semester

281-282 Professional Problems 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)

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, Associate Professor HULL, Mr. SCHROEDER

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 alter-

nating 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.

149-150 Electrical Circuits 3 credits Each semester
A study of transient and steady state conditions in various electrical circuits. Elective. Prerequisites: Math. 101 and E.E. 134.

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.

153 Electric Power Systems 3 credits First semester
Theory and practice of electric distribution systems. Elective. Prerequisite: E.E. 134.

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.

161 Elements of Telephony 3 credits First semester
An introductory course dealing with the principles and design of simple telephone systems. Prerequisite: E.E. 134.

162 Radio Engineering 3 credits Second semester
A theoretical course in radio-telegraphy involving a mathematical treatment of circuits and apparatus. Open only to students in engineering and physics with 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; Mr. BLANCHARD, Mr. SCHULDT, Mr. BECKWITH, Mr. BANKS, Mr. WHITEHEAD, Miss LAMAR, Mr. PACKENHAM, Mr. SHERMAN, Miss COLLETTE, Mr. CERVENY, Dr. WILSON, Mr. HOAG
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 entering freshman students, to advanced students entering without credit for freshman English, and is available for other advanced students at the discretion of the deans of divisions. 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 a semester of English Composition by a proficiency test. 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; Eng. 63-64, Great Books, cannot be accepted as a substitute for Eng. 17-18 or Eng. 13-14 or for any required advanced course. 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 desiring 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), or Eng. 36 (Parliamentary Law and Procedure), provided they secure permission from the head of the department. Eng. 17-18 is a prerequisite to all advanced courses in literature, language, dramatics and public speaking, or journalism; 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 of hundreds courses for a minor.

E. COMPREHENSIVE EXAMINATIONS.—Major students in English are 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. (COOPE, SCHULDT, BECKWITH, BANKS, LAMAR, PACKENHAM, SHERMAN, COLLETTE, CERVENY, WILSON, HOAG)

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 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 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 of English literature. Prerequisite: Eng. 1-2. (CUSHMAN, BECKWITH, LAMAR, SHERMAN, WILSON)

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 to 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. (CUSHMAN)

63-64 Great Books 2 credits Each semester

For students in any department of the University and for mature persons not regularly registered in the University. Great books of the world from the Bible and Homer to recent times. An elective course which cannot be substituted for required courses for sophomores or for required advanced courses. Prerequisite: Eng. 1-2. (CUSHMAN)

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)

112 Elizabethan Literature 2 credits Second semester

The non-dramatic literature of the Elizabethan Age. The lyric, narrative poetry, and the beginning of the essay; Spencer, Bacon, and Milton and their contemporaries. Prerequisites: Eng. 1-2, 17-18. (WILSON)

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, psuedo-classicism, the heroic drama, the prose drama of manners, and the beginnings of the novel. Prerequisites: Eng. 1-2 and 17-18. (Not given in 1936-37.) (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. (Not given in 1936-37.) (COOPE)

117-118 Victorian Prose and Poetry 2 credits Each semester
A study of the greatest 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. (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 3 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. (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'Neil. 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 reading in modern translations. Primarily for upperclassmen and graduates. Prerequisites: Eng. 1-2 and 17-18. (Not given in 1936-37.) (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 a poet and story teller. Primarily for upperclassmen and graduates. Prerequisites: Eng. 1-2 and 17-18. (Not given in 1936-37.) (MILLER, CUSHMAN)

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 Either 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 other types of writing especially valuable to business students. Prerequisite: Eng. 1-2; irregular students only with permission of the head of the department. (CERVENY)

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, CERVENY)

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. (Not given in 1936-37.) (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. (Not given in 1936-37.) (MILLER)

203-204 Special Problems in the Development of (a) Poetry, (b) Drama, (c) Prose Fiction, (d) The Essay, or (e) Biblical Literature 3 credits Each semester

Only one or two of these literary types will be considered in any one year. Primarily for seniors and graduates. (MILLER, COOPE)

205 Thesis Writing 2 credits Summer Session

A study of the literature of the subject and practice in the elements of thesis writing. (Not given in 1936-37.) (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 of English, with special emphasis on establishing the Oriental, the Classic, the Medieval, and the Renaissance points of view. Primarily for seniors and graduates. (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 study of world masterpieces in biography (in English translation), with concentration on contemporary English and American biography. Primarily for seniors and graduates. (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; exceptional cases—students with semi-professional training and experience—will be handled by the head of the department. 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. 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

123-124 Contemporary Drama 2 credits Each semester

For description of these courses see the statement of Eng. 123 and 124.

141-142 Shakespeare and Dramatic Influences on Shakespeare
3 credits Each semester

For description of these courses see the statement of Eng. 141 and 142.

159 Voice Production 2 credits First semester

The physical factor of voice production will be considered in detail, with emphasis on the proper use of 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)

162 Speech Correction 2 credits Second semester

A study of the general functional cases, including delayed speech, halting speech, monotonous speech, nasality, lisping, voice defects. Especial attention will be given to stuttering, the diagnosis of the case and the therapy. The English sounds will be studied as to their formation by the organs of articulation. Especially intended for teachers. Prerequisites: Eng. 1-2, 17-18, and 31-32 or 33-34 or equivalents. (WHITEHEAD)

163-164 Advanced Speaking 2 credits Each semester

Origin of speech; development of speech in race and individual; personality in speech; psychology of persuasion in 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 debate. 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. (BLANCHARD)

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)

174 History of the Theatre 2 credits Second semester

A study of the world theatre as an art form and a social institution, from its beginnings to the present time. Prerequisites: Junior standing with Eng. 1-2, 17-18. (BLANCHARD)

JOURNALISM

SPECIAL NOTE.—Eng. 1-2 is a prerequisite to all journalism courses; exceptional cases will be handled by the head of the department—students with considerable practical experience or with advanced standing. 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. (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 upperclassman majoring in journalism; he must register for the credit. (BETH)

For Advanced Undergraduates and Graduates

181-182 Reporting 4 credits Each semester

Practical training in reporting and newswriting. General assignment and "run" work for city daily newspaper. Study of courts, public offices, and public affairs as a source of news. Two recitations and two three-hour laboratory periods weekly. Prerequisites: Eng. 1-2, 17-18, 81-82 or equivalent. (BETH)

183 Editorial Writing 3 credits First semester

Discussion of current events. The process of logical thinking. Instruction and practice in the writing of editorials. Prerequisites: Eng. 1-2, 17-18, 81-82. (BETH)

184 News Editing 3 credits Second semester

Practice in copy reading and headline writing; problems of newspaper desk work; proof-reading; practical print shop instruction in makeup and typography. Two two-hour copy reading laboratory periods weekly, with some outside preparation, and one three-hour print shop laboratory period weekly. Prerequisites: Eng. 1-2, 17-18, 181. May be taken with Eng. 182. (BETH)

185 History of Journalism 2 credits First semester

History of the principles and the persons contributing to the development of American journalism. Present tendencies. Outstanding western newspapers and editors. Prerequisites: Eng. 1-2, 17-18, 81-82. (Not given in 1936-37.) (BETH)

186 Special Feature Articles 3 credits Second semester

The writing of non-fiction, special feature articles for newspapers and magazines. Practical and specific study of markets for manuscripts. Individual instruction is given during private conferences. Prerequisites: Eng. 1-2, 17-18, 181-182, or to be taken with Eng. 182, or special permission of instructor and of head of department. (Not given in 1936-37.) (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. Prerequisites: Eng. 1-2, 17-18, 81-82. (Not given in 1936-37.) (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, statutory limitations, postal regulations, and the right to reprint public affairs. Prerequisites: Eng. 1-2, 17-18, 81-82. (BETH)

197 Problems in Newspaper Publishing

2 credits First semester

Editorial, business, and print shop problems of the weekly and small daily newspaper. Common problems in circulation, advertising, promotion, competition, and administration. Newspaper correspondence. The newspaper analysis and community survey. Prerequisites: Eng. 1-2, 17-18, 81-82. (BETH)

198 High School Journalism 2 credits Second semester

Problems in directing high school newspapers and magazines. Prerequisites: Eng. 1-2, 17-18, 81-82 or consent of the head of the department. (Not given in 1936-37.) (BETH)

ENTOMOLOGY

Professor WAKELAND, Associate Professor SHULL
For Advanced Undergraduates and Graduates

101 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. Prerequisite: Zool. 1. (SHULL)

103 External Insect Anatomy 2 credits First semester

Study of insect characters used in classification. Two laboratory periods a week. Prerequisite: Ent. 101. (SHULL)

104 Economic Entomology 3 credits Second semester

A detailed study of the habits and effects of insects and the principles of insect control. Two lectures and one laboratory period a week. Given in alternate years. Not offered in 1936-37. Prerequisite: Ent. 101. (WAKELAND, SHULL)

105-106 Systematic Entomology 2 credits Each semester

Study of the classification of insects. Two or three laboratory periods a week. Prerequisite: Ent. 101. (SHULL)

107-108 Special Problems 2 or 3 credits Each semester
Prerequisite: Senior standing and permission of instructor before registration, and Ent. 104 or 106. (WAKELAND, SHULL)

110 Entomological Technique 3 credits Second semester
Museum methods of insect preservation, preparation of demonstration materials, life-history study and technique. Two lectures and one laboratory period a week. Given in alternate years. Offered in 1936-37. Prerequisite: Ent. 101. (SHULL)

111-112 Pro-Seminar 1 credit Each semester
Prerequisite: Ent. 101. (WAKELAND, SHULL)

Parasites and Parasitosis of Domestic Animals
3 credits First semester
See A.H. 175. (Available to students in Entomology.)

Insecticides and Fungicides 3 credits Second semester
See Hort. 180. (Available to students in Entomology.)

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

Professor CHURCH*, Assistant Professor MARSHALL
Professor AXTELL, Associate Professor HOWE

The following courses are open to all upper-division students: (a) the course 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 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. (Not given in 1936-37.) (MARSHALL)

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. (MARSHALL)

55-56 The Nineteenth Century 3 credits Each semester
This course is designed for students who want to attempt recent history without previous college work in history and to acquire practice in the historical method. Its beginning is the downfall of

*On leave second semester 1935-36.

Napoleon and its scope is measured by the ability of the class. (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, and with special attention to the needs of law students (MARSHALL)

For Advanced Undergraduates and Graduates

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: 12 hours in History, Economics and Political Science. (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. (MARSHALL)

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 intermediate and secondary schools. Methods of approach and the critical examination of textbooks. (CHURCH)

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. (MARSHALL)

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 America in particular. (CHURCH)

161-162 Spanish Civilization 2 credits Each semester

A brief study of the various civilizations which went into the building-up of Spanish culture; their fusion in Spain; and their spread throughout the world, particularly America. (Not given in 1936-37) (HOWE)

171-172 Italian Civilization 2 credits Each semester

Italian history, with emphasis on the singular contributions of Italy to political and intellectual progress. (Not given in 1936-37.) (CHURCH)

173-174 The Expansion of Europe 3 credits Each semester

The transference of European ideas and institutions overseas. Attention will be given to the colonial efforts of the Portuguese and Dutch in the East, to the achievements of Spain in Latin America, and to the fortunes of the British Empire. Prerequisites: 6 hours each of History and Political Science. (MARSHALL)

Primarily for Graduates

201-202 Seminar 3 credits Each semester

Subject for 1936-37 is "The Unification of Italy." (CHURCH)

203-204 Research Credits to be arranged 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 materials, and writing of reports. (CHURCH, MARSHALL)

207-208 Seminar in English History 3 credits Each semester

Subject for 1936-37 is "The Epoch of Reform." (MARSHALL)

231-232 Renaissance and Reformation 3 credits Each 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, and the revolution of religious and political thought which accompanied the attack on the church in the sixteenth century. (CHURCH)

FORESTRY

Professors JEFFERS, JAHN, MARTELL, and BECRAFT; Assistant Professors SOWDER and EHRLICH

Primarily for Undergraduates

1 General Forestry 2 credits First semester

A general course in forestry designed to orient the beginning student in the principles of forestry, forest resources, the history of forestry, economic and social importance to the people of the United States. Each of the various fields of forestry is discussed in detail by the faculty member specializing in that field. Two lectures a week. Not open to non-forestry students.

4 Forestry Problems 2 credits Second semester

Slide rule computations and an introduction to the statistical methods applied to forestry. Two lectures a week. Prerequisite: Math. 1.

10 Dendrology 4 credits Second semester

Characters, classification, identification, distribution and importance of commercial tree species of the United States. Local and exotic species. Two lectures and two laboratory periods a week; field trips. Prerequisite: Bot. 1.

16 Tree Identification 2 credits Second semester

A course for non-forestry students. Identification and economic uses of trees, with special reference to the trees of Idaho. Two lectures a week.

27 Silvics 2 credits First semester

A study of the factors of site and their influence on the tree and stand. Two lectures a week. Prerequisites: Bot. 1-2, For. 10.

28 Forest Planting 2 credits Second semester

Methods of seed collection, extraction and storage and germinative tests; nursery practice; field planting. One lecture and

one laboratory period a week. Prerequisites: Bot. 1-2, For. 10, For. 27.

53 Recreational Uses of the Forest 3 credits First semester

Planning and management of recreational forest areas; economic and social uses of forests for recreation. Two lectures and one laboratory period a week. Prerequisites: For. 1, For. 10.

For Advanced Undergraduates and Graduates

100 Field Trip 1 credit Second semester

Two weeks of field study in June following junior year. A prerequisite to graduation for range management majors.

101 Field Trip 1 credit First semester

Two weeks of field and industry study in September prior to registration for the senior year. A prerequisite to graduation for forest production majors and wood utilization majors.

124 Silviculture 4 credits Second semester

A study of the silvicultural cutting systems, cultural operations, and the silvicultural characteristics of the more important commercial species. Four lectures a week and occasional all-day field trips. Prerequisites: Bot. 101, For. 10, For. 25.

125 Advanced Silviculture 2 credits First semester

A study of the forest regions of the United States and the practical methods for successful handling of the important forest types within the regions. Two lectures a week and occasional all-day field trips. Prerequisite: For. 124.

131 Wood Technology 4 credits First semester

Structure of wood; identification by gross and minute characteristics; physical properties and uses of important North American woods. Two lectures and two laboratory periods a week. Prerequisites: For. 10, Phys. 3-4.

133 Logging 3 credits First semester

Methods of logging and transportation systems used in various forest regions of the United States, with special reference to sustained forest growth, costs of operation, output studies, timber appraisals, and timber sale contracts. Three lectures or recitations, reports, and occasional field trips. Prerequisite: junior or senior standing.

135 Chemical Utilization of Wood 3 credits First semester

Introduction to the chemistry of wood, chemical and technological processes for the conversion of wood into commodities; chemical utilization of other products of forest trees. Two lectures and one laboratory period a week. Prerequisites: Chem. 1-2, For. 131.

136 Wood Industries 4 credits Second semester

Wood-using industries of the United States; manufacture of lumber, lumber grades, uses of lumber; seasoning and kiln drying of wood; preservation of wood; manufacture of wooden products other than lumber; the chemical wood industries; economic aspects of the production and consumption of forest products. (Wood utilization students will be given conference and report work on the lumber and allied industries in place of the time devoted to the chemical wood industries.) Four lectures a week and several industrial trips. Prerequisites: Chem. 1-2, Econ. 51n, For. 131.

141 Forest Measurements 1 credit First semester

Measurement of forest products; fundamentals of log rules. Open only to wood utilization majors. Prerequisites: Math. 1-2.

143 Forest Mensuration 3 credits First semester

Measurement of forest products, log scaling theory and practice, log rule construction, graphical analysis, alinement charts, application of statistical methods to forestry problems, and volume table construction. Two lectures or recitations and one laboratory (field or office) period a week. Prerequisites: C.E. 3a-4.

144 Forest Mensuration 4 credits Second semester

Measurement of tree volumes, timber estimating and topographic mapping, study of growth and yield of the individual tree and forest. Two lectures or recitations and two laboratory (field or office) periods a week. Prerequisite: For. 143.

151 Range Management 3 credits First semester

Development of the range industry; grazing regions; production and utilization of range forage; range improvement; range management plans. Three lectures a week; reports; field trips. Prerequisite: Bot. 2.

152 Advanced Range Management 3 credits Second semester

Detail of reconnaissance; research methods; range forage plants, their characters, associations, economic value. Two lectures, one laboratory period a week; reports; field trips. Prerequisites: Bot. 53-54, For. 151.

155 Erosion 3 credits First semester

Analysis of status and causes of erosion on wild lands; prevention through management and revegetation. Three lectures a week; reports; field trips. Prerequisite: For. 151. (For. 152 desirable).

159 Game Management 3 credits First semester

Production and conservation of game as a renewable natural resource to yield regular crops; legislation; recreational phases; forage requirements, and relation of game to use of wild lands as forest and range. Three lectures a week; reports. Prerequisite: For. 151.

164 Forest Pathology 3 credits Second semester

Principles of forest pathology. The role of environmental factors in causing direct injury and influencing incidence and course of biotic disease; the types of pathogens responsible for biotic disease and decay; the relationship of pathology to silviculture, management, and utilization; field and laboratory study of symptoms, causes, and control of representative and important tree diseases, wood rots, and stains, with readings in original papers and preparation of reports. One lecture or recitation and two laboratory periods a week. Prerequisites: Bot. 101, For. 131.

166 Wood Products Pathology 3 credits Second semester

The decay, stains, molds, and insect damage in wood and wood products; including symptoms, causal organisms and their growth requirements, and control. Two lectures and one laboratory period a week. Prerequisites: For. 131 and senior standing.

167 Fire Prevention and Control 3 credits First semester

A study of fire danger, i.e. risk, forest fuels and inflammability; their reduction or elimination; fire damage and loss; the fire organization, detection, transportation and fire fighting; and fire plans. Three lectures a week. Prerequisites: Chem. 1-2, C.E. 3a-4, For. 124, Phys. 3-4.

174 Forest Economics 3 credits Second semester

A survey of natural resources with special emphasis on forest resources and their importance; economic and social characteristics

of the forests of the United States and important foreign countries; land uses and land use planning; place and value of forestry in the national economic and social structure. Three lectures a week. Prerequisites: Econ. 51n, For. 1.

175 Forest Management 3 credits First semester

The regulation of American forests for continuous timber production. Three lectures a week. Election of this course restricted to seniors and graduate students. Prerequisites: For. 124, For. 144.

176 Forest Management 2 credits Second semester

The financial aspects of management of American forests; taxation, insurance and forest working plans. Two lectures a week. Prerequisite: For. 175.

182 Forest Improvements 2 credits Second semester

Location and construction of forest trails and roads, elements of bridge design, forest mapping, recreational improvements, forest structures. One lecture or recitation and one laboratory (field or office) period a week. Prerequisites: C.E. 3a-4, Phys. 3.

186 Forest Policy and Administration 3 credits Second semester

History of forestry, legislation affecting forestry and policies developed for administration of national, state and private forests. Prerequisite: senior standing.

190 Forest Research Methods 2 credits Second semester

An introduction to the objectives and technique of research. Planning of investigations, use of laboratory and field apparatus; assembly, interpretation, and presentation of data; use of literature, and preparation of manuscripts. Two lectures or practice hours a week. Prerequisite: junior standing.

194 Forestry Studies 2-4 credits Either semester

Individual conference course in advanced studies. Open to seniors and graduates.

196 Range Studies 2-4 credits Either semester

Individual conference course in advanced studies. Open to seniors and graduates.

198 Utilization Studies 3 credits Second semester

A conference course concerning advanced studies of the technology of wood and detailed and comprehensive studies of manufacturing processes and trends in wood utilization. Prerequisites: For. 136 and senior standing.

Primarily for Graduates

235-236 Wood Chemistry 1-3 credits Each semester

Chemistry of cellulose and other polysaccharides; chemistry of lignin; chemistry of wood; laboratory work in the analysis and chemistry of wood. Prerequisites: Chem. 101-102.

263 Advanced Forest Pathology 1-3 credits Either semester

Advanced work in field methods, laboratory technique, and use of original literature in preparation for intensive studies of tree diseases, decay, etc., of wood products, and the organisms which cause them. Prerequisite: For. 164 or 166. It is recommended that Bot. 111 be taken concurrently.

291-292 Research in Forestry

Credits to be arranged Each semester

Facilities and instruction are offered for graduate research in professional or in scientific work along special lines. Individual research under the guidance of the major professor concerned is required.

French

(See under *Modern Languages*)

GEOLOGY AND GEOGRAPHY

Professors LANEY and ANDERSON; Mr. SCHEID

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 student 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. (LANEY)

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. (LANEY)

53-54 General Mineralogy 3 credits Each 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 characteristics most useful in field recognition; also 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: Chem. 2. (SCHEID)

55 Rock Minerals and Rocks 2 credits First semester

Treats of the composition, origin, modes of occurrence, and structures of rocks; their metamorphism and decomposition. One lecture and one laboratory period a week. Prerequisite: Geol. 1 and/or 54. (SCHEID)

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. Prerequisites: Geol. 1-2. (ANDERSON)

102 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. 2. (SCHEID)

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. (SCHEID)

113 World Resources and Their Utilization

2 or 3 credits First semester

Detailed studies in the geographic distribution of the most important natural resources of the world and of their importance in present civilization. Supervised studies in which student and instructor cooperate fully. Prerequisites: Geol. 11 or 12, and junior standing. (LANEY)

114 Weather and Climate 2 or 3 credits Second semester

A detailed study of climate, its fundamental principles and as a control of human activities. Supervised studies in which student and instructor cooperate fully. Prerequisite: Geol. 1 or Geol. 11. (LANEY)

116 Geography and Geology of Idaho and the Pacific Northwest

3 credits Second semester

Lectures, readings, topical investigations, dealing with the physical, human, and economic geography and the stratigraphic, structural, igneous, physiographical geology and the mineral resources of the Pacific Northwest. Prerequisites: Geol. 1-2. (LANEY)

117-118 Advanced Economic Geography

2 or 3 credits Each semester

Intensive studies of the development and capacity of industry in its relations to the factors of geographic environment in areas, regions, states and nations. Supervised individual studies, in which student and instructor will cooperate fully. Prerequisites: Geol. 11 and 12. (LANEY)

121 Structural Geology 2 credits First semester

Study of folds, faults, joints, cleavage, and igneous structures; discussion of mechanical principles; and the analysis of the stresses and strains involved in the formation of each type of structure. Prerequisite: Geol. 2. (ANDERSON)

122 Structural Geology 2 credits Second semester

Completion course for geology students. Interpretation of geologic structures and application to the solution of other geologic problems. A review of the principles and theories of diastrophism. Prerequisite: Geol. 121. (ANDERSON)

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. Given in alternate years. (Not given 1935-36). (LANEY)

130 Geological Field Methods 2 credits Second semester

Lectures and assigned readings on methods of geological fieldwork, note-taking, and making of geological maps and reports, in

preparation for the practical application of these principles in actual field-work. Prerequisites: Geol. 121 and C.E. 3a and 4. (ANDERSON)

131 Geological Field Methods 2 credits First semester

Two weeks' work in the field on the preparation of a geologic map, beginning one week before the opening of the first semester in September; continued by one three-hour laboratory period through the remainder of the semester on office work and writing of official reports. Prerequisite: Geol. 130. (ANDERSON)

141-142 Current Geologic Literature 1 credit Each semester

Reviews, reports, and critical study of current geological literature. Prerequisite: Geol. 2. (DEPARTMENTAL STAFF)

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 and 12. Given in alternate years. (Given 1935-36). (LANEY)

156 Mineragraphy 2 credits Second 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)

157 Geology of Ore Deposits 4 credits First 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, Geol. 121, Chem. 51. (LANEY)

158 Geology of Non-Metalliferous Deposits

3 credits Second semester

The nature, mode and occurrence, distribution, origin, and uses of the more important non-metallic mineral deposits, exclusive of petroleum. Prerequisite: Geol. 54. (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. Prerequisite: Geol. 54. Laboratory work to accompany the course, but optional with the student, one credit. Laboratory studies to consist of mechanical analysis 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. Prerequisites: Geol. 54 and 163. (SCHEID)

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 petro-

graphic 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)

192 Mineral Paragenesis 2 credits Second semester

Evaluation of criteria of mineral succession and interpretation of mineral relationships in ores and rocks; their bearing on mineral genesis. Prerequisite: Geol. 156, 163. (LANEY)

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) soils (in cooperation with the College of Agriculture), and (i) metamorphism. 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, and (g) mineralogy. 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, Miss NAVRATIL†
Assistant Professor PRICHARD

FOODS

Primarily for Undergraduates

4 Experimental Cookery 3 credits Second semester

Foods, their classification, composition and value in diet. Chem-

*On leave, 1935-36.
†Replacing Miss Sell, 1935-36.

istry 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 Credits to be arranged
(JENSEN)

HUMANICS

Primarily for Undergraduates

42 Problems in the Modern Home 2 credits Second 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. Prerequisites: H.Ec. 35 and junior standing. (JENSEN)

136 Economic and Social Problems of the Home
2 credits Second semester

History of the family as a social and educational institution. Two lectures a week. Prerequisites: six credits social studies and H.Ec. 135. (JENSEN)

TEXTILES AND CLOTHING

Primarily for Undergraduates

23 Textiles 2 credits First 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 Dress Designing and Millinery 2 credits Second semester
Designing and draping of garments. Types of decoration. Designing of felt hats. Hat renovation problems. Two three-hour periods a week. Prerequisite: H.Ec. 105. (INGALLS)

166 Historic Costume 2 credits Second semester
A comprehensive study of historic and national costumes 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 First semester

Personal hygiene; the general care of the sick; emergencies and first aid to the injured. One three-hour period a week, with outside work. Open to freshmen and sophomores. (BUCHANAN)

131 House Management and Sanitation 2 credits First semester

Organization of the household. Two lectures a week. Open to juniors and seniors. Prerequisite: H.Ec. 82. (LEWIS)

138 Institutional Administration and Quantity Cookery

4 credits Second semester

Management and practice applied to institutional administration. Prerequisites: 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: six credits in Education, H.Ec. 24, 101, 35, and 65. (SELL)

153 Methods in Related Art and Science

3 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. (NAVRATIL, 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, NAVRATIL, JENSEN)

HOME ECONOMICS FOR NON-HOME ECONOMICS STUDENTS

Primarily for Undergraduates

1 Cooking and Serving 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 Clothing 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 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 VERNER, Associate Professor WOODBURY

Primarily for Undergraduates

2 Introduction to Horticulture 3 credits Second semester

General principles of plant propagation, fruit growing, vegetable gardening, landscape gardening and floriculture. Freshman year. Two lectures and one three-hour laboratory period a week. (VERNER, WOODBURY)

56 Home Floriculture 2 credits Second semester

Practical methods of propagation and culture of flowers and ornamental plants in and about the home. One recitation and one three-hour laboratory period a week. (WOODBURY)

For Advanced Undergraduates and Graduates

109 Floriculture 1 credit First semester

Principles and practices in the commercial production and handling of flowers. One laboratory period a week. Prerequisite: Hort. 2 or 56. (WOODBURY)

120 Landscape Gardening 3 credits Second semester

Elementary principles underlying the use of plants for beautifying private and public grounds. Two lectures and one three-hour laboratory period a week. (WOODBURY)

140 Vegetable Gardening 3 credits Second semester

Fundamental principles and practices in the production and handling of vegetable crops. Two lectures and one three-hour laboratory period a week. Prerequisite: Hort. 2. (WOODBURY)

147 Potato Culture 1 credit First semester

A course dealing with the history, acreage and distribution, varieties, planting, and general culture and handling of the potato. Designed especially for those desiring to grow potatoes on a commercial scale. One lecture a week. (WOODBURY)

161 Tree-Fruit Production 3 credits First semester

Fundamental principles and practices in the production and handling of tree-fruit crops. Two lectures and one recitation period a week. Prerequisite: Hort 2. (VERNER)

168 Small-Fruit Production 2 credits Second semester

Fundamental principles and practices in the production and handling of small-fruit crops. Two lectures a week. Prerequisite: Hort. 2. (VERNER)

180 Insecticides and Fungicides 3 credits Second semester

Application, effects and chemistry of insecticides and fungicides. Given cooperatively by the departments of Horticulture, Agricultural Chemistry, Agricultural Engineering, Entomology and Plant Pathology. One lecture and one three-hour laboratory period a week. Prerequisites: Junior standing and consent of the head

of the department in which the student is majoring. (VERNER and others)

183 Systematic Horticulture 1 credit First semester

Classification, nomenclature and description of horticultural plants, with consideration of varietal characteristics. One lecture a week. (VERNER and WOODBURY)

185 Improvement of Horticultural Plants 2 credits First semester

Study of the characteristics desired, methods used, results obtained, and the importance of breeding and selection, in the improvement of woody and herbaceous horticultural plants. Prerequisites: Hort. 2, Hort. 183, Agron. 101. (WOODBURY)

190 Storage and Preservation of Horticultural Products 2 credits First semester

A study of the methods of preservation and storage requirements of various horticultural products, special emphasis being placed on respiration, ripening, preservation, and breakdown of these products. One lecture and one recitation a week. Prerequisites: Hort. 2 and Bact. 51, or P.P. 101. (WOODBURY)

193-194 Special Problems 2 credits Each semester

A course affording an opportunity for advanced majors to secure additional, specialized training in one of the three main subdivisions of the field: namely, fruit production, vegetable production or ornamental horticulture. Assigned reading or laboratory work as arranged. Prerequisite: Consent of the head of the department. (VERNER, WOODBURY)

195-196 Pro-Seminar 1 credit Each semester

Review of current literature in Horticulture. Papers by members of the department and students. For advanced majors only. (VERNER, WOODBURY)

198 Thesis 1 credit Second semester

Primarily for Graduates

201-202 Advanced Horticulture 3 credits Each semester

(VERNER, WOODBURY)

203-204 Research Credits to be arranged Each semester

(VERNER, WOODBURY)

Italian

(See under *Modern Languages*)

Journalism

(See under *English*)

Latin

(See under *Classical Languages*)

LAW

Professors HOWARD and HARDING; Associate Professor HOPKINS; Assistant Professor PITTMAN*; Visiting Assistant Professor WILLARD; Messrs. AILSHIE, OPPENHEIM and GOFF, Special Lecturers

FIRST YEAR

(Required)

101n-102 Contracts 3 credits Each semester

Formation and performance of promissory undertakings in

*On leave of absence 1935-36

formal and informal business transactions, including breach and remedies therefor. Grismore's *Cases on Contracts.* (HARDING)

105n-106 Criminal Law and Procedure
3 credits First semester
2 credits Second semester

The problem of criminal justice; the sources of and purposes of the criminal law; the meaning of criminal responsibility; the characteristics of particular crimes; organization and procedure in criminal courts; problems of prosecution; agencies for punishment, probation, pardon, and parole. Harno's *Cases and Materials on Criminal Law and Procedure;* Idaho Penal Code and Code of Criminal Procedure. (HOWARD)

107 Court Organization 2 credits First semester

Development of the English court system and reception and modification of the system in the United States with emphasis upon the origin of the doctrine of nullity of extra-jurisdictional action; modernization of the English system; organization of state judiciary systems. McCormick's *Cases and Materials on Court Organization* (mimeographed). (HOPKINS)

109 Civil Procedure 3 credits First semester

An introductory course on procedure in actions at law; origin and development of the common law forms of action; development of equity jurisdiction; the fusion of law and equity. Magill's *Cases on Civil Procedure* (2nd ed.); Morgan's *Introduction to the Study of Law.* (HOPKINS)

111n-112 Property 3 credits Each semester

Introduction to real and personal property; modes of acquiring common types of interests in land and personal chattels and the nature of the interests; fixtures, emblements, waste and some legal relations of landowners. Fraser's *Cases and Readings on Property* (Vols. 1 and 2). (PITTMAN)

116 Torts 5 credits Second semester

The protection, legal and equitable, given the interests of personality and property by the judicial process against physical harms and harms of appropriation; the protection given interests in relations with the other persons. Green's *The Judicial Process in Torts Cases.* (HOPKINS)

120 Legal Bibliography 1 credit Second semester

Use and analysis of legal digests, encyclopedias, and other source books; analysis and organization of legal material. Eldean's *How to Find the Law;* selected materials. (HARDING)

SECOND AND THIRD YEARS

201 Equity I 3 credits First semester

Introduction to equity; general principles of equity procedure; specific performance of contractual undertakings. Durfee's *Cases on Equity.* (PITTMAN)

***202 Equity II** 3 credits Second semester

Injunctions against tort and crime; bills of peace, bills *quia temet* and related cases; relationship of vendor and purchaser; fraud and mistake. Durfee's *Cases on Equity.* (PITTMAN)

***203 Persons and Community Property** 3 credits First semester

Marriage, separation, divorce and alimony; property rights of married women; contractual and tortious liabilities of one spouse to the other and to third persons; Idaho law of community prop-

*Not given in 1936-37.

erty. Madden's *Cases on Domestic Relations;* Idaho statutes and cases. (PITTMAN)

208 Evidence 4 credits Second semester

Functions of judge and jury; burden of proof and presumptions; witnesses; the hearsay rule and its exceptions; opinions and conclusions from lay and expert witnesses; circumstantial evidence; preferred evidence. Hinton's *Cases on Evidence* (2nd ed.). (HOWARD)

212 Wills 2 credits Second semester

Testamentary capacity; execution of wills; fraud and undue influence; revocation; revival and republication of wills; administration of estates. Mechem and Atkinson's *Cases on Wills and Administration.* (HOPKINS)

216 Titles 2 credits Second semester

Methods of conveying interests in land, including incorporeal interests; covenants running with the land. Kirkwood's *Cases on Conveyances.* (PITTMAN)

217 Bills and Notes 3 credits First semester

A consideration of the law of bills of exchange, checks, and promissory notes at common law and under the Uniform Negotiatiable Instruments Law. Britton's *Cases on Bills and Notes* (2nd ed.). (PITTMAN)

222 Sales 3 credits Second semester

A study of the rights and liabilities of parties with respect to executed and executory contracts of sale of chattels. Woodward's *Cases on Sales* (3rd ed.). (PITTMAN)

231 Trial and Appellate Practice 3 credits First semester

Jurisdiction; venue; service and return of process; trial of issues with special reference to the Idaho civil practice; judgment; Idaho appellate practice. Hinton's *Cases on Trial Practice* (2nd ed.). (HOPKINS)

232 Code Pleading 3 credits Second semester

The code cause of action; parties; splitting and joining actions; the complaint; the answer, including counterclaims; motions and bills of particulars; amendment and aider. Special attention is given to the Idaho Code of Civil Procedure. Cathcart and Howell's *Cases on Code Pleading.* (HOPKINS)

***235 Security** 3 credits First semester

Pledges; trust receipts; letters of credit; suretyship; mortgages. Sturges' *Cases on Credit Transactions.* (HOPKINS)

***236 Creditors' Rights** 3 credits Second semester

The administration of the estates of insolvent debtors; fraudulent conveyances; general assignments; receivership; bankruptcy. Hanna's *Cases and Materials on Creditors' Rights.* (HOPKINS)

***242 Municipal Corporations** 3 credits Second semester

Definition and nature; creation, annexation, dissolution, classification and legislative control; nature of ordinances; powers; legislative and administrative procedure; municipal revenue; municipal indebtedness; property rights; liability. Seasongood's *Cases on Municipal Corporations.* (HOWARD)

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*Not given in 1936-37.

251 Constitutional Law 5 credits First semester

The national state and its governmental organization; citizenship, national and state; due process of law; equal protection of the laws; eminent domain; retrospective laws; the regulation of commerce. McGovney's *Cases on Constitutional Law* (2nd ed.). (HOWARD)

255 Conflict of Laws 3 credits First semester

Enforcement of rights created and obligations assumed in states other than the state of the forum; interstate and private international law. Lorenzen's *Cases on Conflict of Laws* (3rd ed.). (HARDING)

***258 Trusts** 4 credits Second semester

The nature, creation and essential elements of express trusts, both private and charitable; resulting and constructive trusts; administration of trusts. Scott's *Cases on Trusts* (2nd ed.). (PITTMAN)

265 Business Associations I 4 credits First semester

Unincorporated business ventures; vicarious liability in tort and contract; partnership property and accounting, including administration of insolvent estates. Magill and Hamilton's *Cases on Business Organization* (Vol. 1); Clark and Douglas' *Cases on Partnership.* (HARDING)

268 Business Associations II 5 credits Second semester

Incorporated business ventures; management and control; corporate powers and liabilities; organization and reorganization of financial structures. Prerequisite: *Business Associations I.* Frey's *Cases and Statutes on Business Associations.* (HARDING)

***274 Taxation** 3 credits Second semester

Legitimate purposes of taxation; general property tax and tax administration; excise taxes; estate and inheritance taxes; income taxes. Maguire and Magill's *Cases on Taxation.* (HOWARD)

278 Administrative Law 3 credits Second semester

Development and functions of administrative tribunals; delegation of powers and administrative legislation; administrative adjudication and enforcement; judicial control of administrative action; finality of administrative determinations; relief against administrative action. Freund's *Cases on Administrative Law* (2nd ed.); selected cases and materials. (HOWARD)

281-282 Research Credits to be arranged Each semester

Individual studies. Open to qualified seniors only by special permission of the law faculty.

***292 Mining Law** No credit

A series of special lectures covering mining titles under the federal mining acts, with especial reference to mining rights in the western states. (AILSHIE)

294 Water Rights No credit

A series of special lectures dealing with water rights in the western states. Extent or riparian rights and liberties; the law of prior appropriation; relative priorities of riparian and non-riparion rights and liberties of use; extinguishment of riparian rights; rights in diffused and underground waters. (OPPENHEIM)

296 Office Practice No credit

Practical exercises in drafting important legal instruments; discussion of problems in the conduct and management of a law office. (GOFF)

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*Not given in 1936-37.

MATHEMATICS

Professor TAYLOR, Assistant Professor BENDER, Mr. BUNCH, Mr. COOLEY, Mr. LOWNEY

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, COOLEY, LOWNEY)

11-12 Freshman Mathematics 5 credits Each semester

Subject matter same as Math. 1-2 with additional emphasis upon computation and upon construction and interpretation of graphs. Required of freshmen in the College of Engineering. (BENDER, BUNCH, COOLEY, LOWNEY)

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. Prerequisite: Math. 1-2 or 11-12. (TAYLOR, BENDER, BUNCH, COOLEY, LOWNEY)

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 Advanced Calculus 3 credits Each semester

Partial differentiation, definite integrals, vector analysis, line and surface integrals. Prerequisite: Math. 51-52. (TAYLOR)

124 Differential Equations 3 credits Second semester

Methods of solution, fundamental theory, and applications of ordinary and partial 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

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

to teach mathematics in the high school. Prerequisite: Math. 51. (BUNCH)

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. (TAYLOR)

221 Theory of Functions 3 credits First semester

An introductory course in the theory of functions of a complex variable. Prerequisite: Math. 121. (TAYLOR)

223-224 Research Credits to be arranged Each semester

(TAYLOR)

226 Modern Analysis 3 credits Second semester

Selected topics in the theory of functions of a real variable. Prerequisite: Math. 121 or Math. 124. (TAYLOR)

MECHANICAL ENGINEERING

Professor GAUSS, Mr. SCHOWALTER, 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 oxyacetylene 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. Three hours in shop and one lecture. 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 3 or 4 credits First semester

Energy transformations; thermal capacities; properties of gases; laws of thermodynamics; available energy; entropy; equations; vapors; steam; flow of fluids; steam engines and turbines; refrigeration; gaseous mixtures; internal combustion engines; compressed air. Prerequisites: Phys. 11-12 and Math. 51-52.

122 Power Plants 3 credits Second semester

The variable load problem; power plant economics; power plant buildings; Diesel engine power; hydro-electric power; steam power; vapor cycles; steam boilers; feed-water; head balance piping systems, meters. 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 in 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 Aeronautical Engineering 3 credits First semester

Airplane design; aviation; aerial photography; landing fields; transportation and terminals; transportation economics; communication; instruments. 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 Refrigeration and Air Conditioning

2 credits Second semester

The thermodynamics of refrigeration; refrigeration systems; thermodynamics of air conditioning; air conditioning applied in industrial projects and in heating and ventilating. Prerequisite: M.E. 121.

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 Heat Power Engineering 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.

156 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

201-202 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 Credits to be arranged Each semester

Subjects for investigation and group discussion will be selected in some field of special activity.

METALLURGY

Professor FAHRENWALD; Assistant Professors STALEY and NEWTON; Mr. LUNDQUIST

For Advanced Undergraduates and Graduates

101-102 Principles of Metallurgy (Lectures)

2 credits Each semester

Properties of metals and alloys; metallic compounds; ores and their values; fuels; refractory materials; pyrometallurgical processes and apparatus; electrometallurgical processes and apparatus; mechanical treatment of alloys; handling of gases; metallurgical products. Prerequisites: Phys. 3-4 or 11-12 and Chem. 1-2. (FAHRENWALD and NEWTON)

104 Fire Assaying 2 credits Second 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. Prerequisites: Chem. 51 and Met. 101. (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; construction of iron and steel, and relation to physical properties; alloy steels. Prerequisites: Chem. 1-2 and Phys. 3-4 or 11-12. (NEWTON)

109-110 Metallurgical Calculations 1 credit Each semester

Thermochemistry of roasting and smelting; calculations of furnace charges; heat balance sheets; electrothermic reactions. Prerequisites: Met. 101-102 and 115-116, taken concurrently. (NEWTON)

111 Ore Dressing 3 credits First semester

Fundamentals of ore dressing processes; plant flow sheets; theory, operation and performance of machines; grinding and flotation pulp circuits; metallic and non-metallic mineral flotation; economics. Prerequisites: Met. 101-102 and Min. 101. (FAHRENWALD)

112 Ore Dressing (Laboratory) 2 credits Second semester

Experiments to demonstrate scientific fundamentals of various ore dressing processes; grinding, classification, sedimentation and flotation experiments; laboratory methods of ore testing and metallurgical calculations. Prerequisite: Met. 111. (FAHRENWALD, NEWTON)

115-116 Non-Ferrous Metallurgy 2 credits Each semester

Chemistry and practice of pyrometallurgical, hydrometallurgical, and electrometallurgical methods of recovering the non-ferrous metals from their ores; fire and electrolytic refining of metallic products; metallurgy of gold and silver. Prerequisites: Met. 101-102. (FAHRENWALD)

117 Metallurgical Plant Design 2 credits First semester

Given concurrently with Met. 111 and Met. 115. Preparation of process flow sheets of ore dressing, smelting or hydrometallurgical plants; selecting machines and apparatus; designing the plant, foundation plans and set-up details. Prerequisites: C.E. 6 and 101. (FAHRENWALD)

194 Advanced Metallurgy 2 credits Second semester

Review and critical discussion of current literature, lectures, and reports. Prerequisites: All metallurgy courses offered in the School of Mines. (FAHRENWALD, NEWTON)

196 Thesis 3 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, NEWTON)

Primarily for Graduates

201-202 Metallurgical Investigations

Credits to be arranged Each semester

Laboratory work on problems in the metallurgical treatment of gold, silver, copper, lead, or zinc ores. (FAHRENWALD, NEWTON, STALEY)

MILITARY SCIENCE AND TACTICS

Brigadier General CHRISMAN, Lieutenant Colonel RUFUS S. BRATTON, Major CHARLES F. SUTHERLAND, Captain LEWIS S. NORMAN, Captain CHARLES H. HART, JR., Band Leader ROBERT B. LYON, First Sergeant LONIE WOODS, Sergeant FRANK L. 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 provisions of War Department Bulletin No. 1, January 8, 1917, and 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 80 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 1½ credits a semester. Membership in band is of selected students of all four years' course in military science and is determined by personal examination of candidates previous to enrollment thereof. Examination of all candidates is by the band leader.

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, 40 hours; practical, 56 hours. Military courtesy, obligations of American citizenship; leadership; physical training; infantry drill regulations; national defense act; map reading; rifle marksmanship; military history and policies; current international situation; military organization.

1k-2k 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, 40 hours; practical, 56 hours. Same subjects as in Mil. 1-2 (continued). Musketry, scouting and patrolling; automatic rifle; combat principles.

3k-4k Second Year Military Band 1½ credits Each semester

Continuation of 1k-2k.

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 government allowances 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, 85 hours; practical, 75 hours. Leadership; aerial photograph reading; machine guns; howitzer weapons; pistol; field fortification; combat training.

105k-106k Third Year Military Band 1½ credits Each semester

Theoretical, 10 hours; practical, 90 hours. Leadership; military band music; concert music; solo work.

FOURTH YEAR

107-108 Military Science 3 credits Each semester

Theoretical, 110 hours; practical, 50 hours. Leadership; military history and policy; military law, company administration and supply; Officers' Reserve Corps regulations; tanks; antiaircraft defense; chemical warfare defense; combat intelligence; infantry signal communications; combat principles.

107k-108k Fourth Year Military Band

1½ credits Each semester

Continuation of 105k-106k.

MINING

Professor FAHRENWALD; Assistant Professors STALEY and NEWTON

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)

103-104 Mine Plant Design 2 credits Each semester

Design of headframes and mine structures; selection of hoisting equipment; mine haulage; handling of water; compressed air; and power plants are discussed. Prerequisites: C.E. 6-101. (STALEY)

106 Mine Surveying 2 credits Second semester

Lectures on standard method of surveying practice 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, and calculations of tonnages extracted. Calculations and reductions of notes from the mine survey and plotting by coordinates. Claim surveying. Two recitations a week. Prerequisites: C.E. 3a-4. (STALEY)

107 Mine Surveying 1 credit First semester

Office work computing field notes from Min. 118, plotting map and solving problems. One three-hour period per week. Prerequisite: Min. 106. (STALEY)

114 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)

110 Mining Economics 2 credits Second 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)

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)

113 Mine Ventilation 2 credits First semester

Theory, principles, and practice of mine ventilation; investigation of mine ventilation flow-sheets; air-conditioning as practiced by deep mines. Two recitations. Prerequisite: Min. 101. (STALEY)

118 Mine Surveying (Field Trip)

1 credit Following Commencement

Ten-day underground surveying trip to Burke, Idaho, or equally suitable district, immediately following commencement. Prerequisite: Min. 101. (STALEY)

120 Advanced Mining 2 credits Second semester

Mine development and organization; assigned problems confronting the mineral industry. Two recitations. Prerequisites: Min. 101-103. Concurrently with Min. 112. (STALEY)

161 Geophysical Prospecting 2 credits First 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)

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 to be 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, RENTFRO, and BEATTIE, Dr. WIENS
Professor CHURCH

Credits in second 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, with the written permission of the instructor. 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. 2, or the equivalent. (BEATTIE, WIENS)

15-16 Scientific French 3 credits Each semester
A special reading course open to students in scientific curricula, and to others only by special permission of the head of the department. A French scientific reader and collateral reading in French scientific journals. Prerequisite: Fr. 1n-2. (HOWE, ELDRIDGE, WIENS)

21-22 Advanced Sophomore French 2 credits Each semester
Open to sophomores only. Prerequisite: Fr. 13-14. (BEATTIE)

81-82 Grammar Review and Composition
2 credits Each semester
A review of French grammar, with constant practice in writing French. Open to upper division students, and to sophomores who have completed Fr. 13-14. Prerequisite: Fr. 13-14. (BEATTIE)

For Advanced Undergraduates and Graduates

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 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
The first semester is devoted primarily to the lyric from Lamartine to Verlaine; the second to the drama from Hugo to Rostand. Prerequisite: Fr. 13-14. (BEATTIE)

141-142 The Seventeenth Century 3 credits Each semester
After a preliminary study of the period, a considerable number

*On leace 1935-36.

of the masterpieces of Corneille, Moliere, and Racine are read. Prerequisite: Fr. 13-14. (ELDRIDGE)

145-146 Contemporary Literature 3 credits Each semester

French literature from 1880 to the present day, including the literary production of the current year in selected books and revues. For students able and willing to read widely in unedited texts. Prerequisite: Fr. 13-14. Recommended preparation: Fr. 135-136. (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)

181-182 Free Composition and Conversation

2 credits Each semester

The course seeks to develop in the student the ability to express himself freely in French, both in conversation and in written work. A thorough knowledge of French grammar is essential. Limited to ten students. Prerequisite: Fr. 13-14. Recommended preparation: Fr. 81-82. (Not given in 1936-37.) (BEATTIE)

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)

Readings 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: *Chestomathie de l'Ancien Francais,* with study of Old French phonology and morphology. Some knowledge of Latin is required. (ELDRIDGE)

221-222 The Literature of the Renaissance 3 credits Each semester

A study of the literature of the French renaissance and the beginning 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 Credits to be arranged 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, with the written permission of the instructor. 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, WIENS)

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 the equivalent. (WIENS)

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 *Wallenstein* complete. Prerequisite: Ger. 13-14. (TROMANHAUSER)

143-144 Goethe 3 credits Each semester

Study of Goethe's life and development, in connection with his lyric poems. Gotz *von Berlichingen, Egmont, Tasso, Faust, Iphigenie.* Prerequisite: One advanced year-course in German. (ELDRIDGE)

147-148 Modern Drama 2 credits Each semester

Reading and discussion of representative dramas from 1890 to the present. Course conducted chiefly in German. Prerequisite: Ger. 13-14. (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)

231 Gothic 3 credits First semester

Introduction to the study of Germanic philology. After a brief treatment of the phonology and morphology of Gothic, readings in *Ulfilas.* Prerequisite: Old English or two years of German. (ELDRIDGE)

271-272 Research Credits to be arranged 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: Old English or two years of German. (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, with the written permission of the instructor. 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 (TROMANHAUSER, 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. Prerequisite: Span. 2, or the equivalent. (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. Prerequisite: Span. 13-14. (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 Credits to be arranged Each semester
(DEPARTMENTAL STAFF)

MUSIC

Professor JONES, Associate Professors CLAUS, MCGILL, Assistant Professors LYON, MACKLIN, BARNARD, Miss LITTLE, Miss GILDEMEISTER
Professor SARGENT

DEGREES

The Department of Music offers specialized curricula leading to the following degrees: (a) Bachelor of Music; (b) Bachelor of Arts; with music as a major study; (c) Bachelor of Science in Music Education; (d) Bachelor of Science in Education, with public school music as a teaching subject; (e) Master of Music; (f) Master of Arts; and (g) Master of Science in Music Education

ORGANIZED MUSIC

Membership in organized music groups is open to all students in the University, after consultation with directors. One credit per semester is offered in each group, and may be counted toward graduation in the senior college irrespective of course numbers.

The following courses are offered: Mixed Chorus, Treble Clef Club (women), Apollo Club (men), Vandaleers (Mixed Chorus), A Cappella Choir, Mixed Quartet, Male Quartet, String Quartet, String Trio, Piano Quintet, Trumpet Trio, Trumpet Sextet, Clarinet Quartet, Woodwind Quintet, University Orchestra, and the University Bands.

A maximum of eight credits is allowed toward graduation in organized music courses. These may be earned in one course, or in a number of different courses. Students may register in any organized

music course after receiving the maximum number of credits, but will receive no credit.

APPLIED MUSIC

Applied music is defined as private lessons for which two credits are offered for one lesson per week, or four credits for two lessons per week. Applied music credit is offered in voice, violin, piano, organ, violoncello, viola, double bass, clarinet, trumpet, trombone, tuba, flute, oboe, and French horn.

Applied music may be taken as an elective course by any student in the University and credit may be counted toward graduation irrespective of course numbers.

Thirty-two credits in a major instrument and four in a minor instrument are required for graduation for a Bachelor of Music degree, twenty-eight credits in a major instrument and four in a minor instrument are required for graduation for a Bachelor of Arts degree, and sixteen credits in a major instrument and four credits in a minor instrument are required for graduation for a Bachelor of Science degree in Music Education.

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.

Piano majors eligible for junior standing should have completed: Bach two and three part inventions, scales and arpeggios, Czerny opus 740, Haydn, Mozart, and Beethoven sonatas, or studies of equal difficulty.

Voice majors eligible for junior standing should have achieved a mastery of the fundamentals of singing, breath control, intonation, diction, and should be able to sing moderately difficult songs in English, French, German, or Italian.

Violin majors eligible for junior standing should have completed studies by Kreutzer, Sevcik, Carorti, and Rode; scales and arpeggios in two and three octaves; Sonatas by Handel and Tartini; and concertos by Viotti, Vivaldi, Mozart, and Mendelssohn, or studies of equal difficulty.

Cello majors eligible for junior standing should have completed scales and arpeggios in two and three octaves; etudes by Werner, Schroedger, Lee, Dotzauer, Grutmacher; easy concertos by Klengel, Romberg, and Golterman, or studies of equal difficulty.

Organ majors eligible for junior standing should have completed appropriate organ instruction books, pedal studies, trios (two manuals and pedal), organ literature by Bach, Mendelssohn, Guilmant, Rheinberger, and Cesar Franck, or studies of equal difficulty.

At the end of the senior year, an applied music examination will be given candidates for degrees in music to determine their proficiency. Graduation depends on proficiency attained and not necessarily on the number of credits earned. Graduation recitals are required of candidates for the B.A. and B.M. degrees.

Students desiring credit for applied music courses are not permitted to register for less than a full semester. Registration in applied music is permitted at any time without credit, for as many lessons as are desired. Students not of University rank may register for the courses in applied music but will not be given credit.

ADVANCED CREDIT

Students transferring to the University of Idaho from an accredited college or university will receive full credit for all work in applied music taken at the former institution. A student who has studied applied music with private teachers after high school graduation, or at unaccredited institutions may apply for an examination

for advanced credit provided his work shall have progressed beyond the minimum requirements for admission to the curriculum leading to the Bachelor of Music degree specified by the National Association of Schools of Music for a major in that branch of applied music. Students desiring advanced credit should obtain approval from the departmental office before applying for an advanced credit examination.

FEES

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 for absence from the first week in any semester.

No deduction will be made for lessons missed by the student, nor will such lessons be made up. In case of serious illness, make-up lessons will be arranged in the departmental office. Lessons missed because of University holidays will not 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 of this catalog.

All students will be required to do their practicing in the practice rooms provided for this purpose in the Music Hall, Music Hall Annex, Bartley Cottage, and Center Cottage, unless special permission to practice elsewhere is granted.

Following is a table of fees per semester for lessons in applied music, payable at the Bursar's office:

APPLIED MUSIC LESSONS

One lesson per week, one-half hour (two credits)	$30.00
Two lessons per week, one-half hour each (four credits)	$60.00

PRACTICE ROOM RENTAL (WITH PIANO)

One hour per day for the semester	$ 4.00
Two hours per day for the semester	$ 7.00
Three hours per day for the semester	$ 9.00

PRACTICE ROOM RENTAL (WITHOUT PIANO)

One hour per day for the semester	$ 2.00
Two hours per day for the semester	$ 3.00
Three hours per day for the semester	$ 4.00

GENERAL MUSIC COURSES

Primarily for Undergraduates

1-2 Sight Singing and Ear Training 2 credits Each semester

An elementary course in the recognition and writing of intervals, chords, and cadences in major and minor modes; practice in one and two part melodic and rhythmic dictation. (McGILL)

1a Sight Singing and Ear Training (Education majors only) 2 credits First semester

A course especially designed for the classroom teacher containing a brief background of music fundamentals. (BARNARD)

3 Orientation in Music 2 credits Either semester

This course is suggested as an elective to all students in the University interested in a general elementary, cultural course in the appreciation of music. An elementary survey of musical elements in which the chief aim is music appreciation, including a brief study of the rudiments of music, theory, harmony, history, and form. Considerable emphasis is placed on musical literature through phonograph records, and faculty and student performance in class. Attendance at certain University recitals and concerts is required. (JONES)

4 Elementary Harmony 2 credits Second semester

An introductory study of the structure of the triads, chords, and practice in the chord progressions in major and minor modes, up to and including the dominant seventh chord. (JONES)

5-6 Second Year Harmony 3 credits Each semester

A course in chord and melody writing, modulations, ornamental tones, dominant ninth chords and altered chords. (Keyboard facility is required, or students may take Music 13-14 concurrently). Prerequisite: Mus. 4. (LITTLE)

11-12 Advanced Sight Singing and Ear Training 2 credits Each semester

An advanced course in three- and four-part melodic and rhythmic dictation with practice in writing three and four part chords and progressions. Prerequisite: Mus. 2. (MACKLIN)

13-14 Keyboard Harmony 1 credit Each semester

Harmony applied to the piano keyboard, with practice in playing written chords and progressions. Prerequisite: Mus. 4. (GILDEMEISTER)

57-58 Accompanying and Sight Reading 1 credit Each semester

A practical course in rapid sight reading with practical experience in accompanying singers and instrumentalists. Prerequisite: Ability to play the piano. (MACKLIN)

60 Musical Diction 2 credits Second semester

A study of the science of phonetics with especial emphasis upon the sounds and enunciation of foreign languages required in singing. (SARGENT)

70 Rural School Methods 2 credits Second semester

A course for classroom teachers not specializing in music. Materials, methods, and problems relating to classroom music and activities and their integration with other activities in the curriculum. Idaho Chorus Plan presented. Prerequisite: Mus. 1 or 1a. (BARNARD)

For Undergraduates and Graduates

101-102 History and Literature of Music 2 credits Each semester

A detailed study of the periods in the history of music with emphasis on the effect of historical periods and schools on the literature of music. Literature will be presented through radio, phonograph records, and faculty and student performances. Prerequisite: Junior standing. (LYON)

103-104 Form and Analysis 2 credits Each semester

Analysis of small and large forms of musical composition including standard works from orchestral literature. Includes harmonic analysis. Prerequisites: Mus. 6 and 14. (LYON)

105-106 Counterpoint 2 credits Each semester

A study of strict counterpoint in two, three, and four parts, with practice in writing in the five species. Prerequisite: Mus. 6. (LITTLE)

107n-108 Piano Class Methods 1 credit Each semester

A comparative survey of materials for piano class instruction with methods of presentation. Prerequisite: 8 credits in piano or consent of instructor. (BARNARD)

109-110 Elementary Composition 2 credits Each semester

A practice course in original music writing, accompaniments for voice and solo instruments, and applications of prose and poetry to musical forms. Prerequisites: Mus. 104 and 106. (MACKLIN)

111-112 Instrumentation and Orchestration
2 credits Each semester
A practical course in arranging for band and orchestral instruments, including a study of range, tone color, relationships, and transpositions. Prerequisite: Mus. 6. (LYON)

113-114 Advanced Counterpoint 1 credit Each semester
A study of free counterpoint in two, three, and four parts, with practice in writing in the five species and in combined species. Prerequisite: Mus. 106. (LITTLE)

115n-116 Song Interpretation and Repertoire
1 credit Each semester
A study of song classics and their interpretation, including program selection. Prerequisite: Junior standing. (MCGILL)

117n-118 Piano Interpretation and Repertoire
1 credit Each semester
A comprehensive study of literature for the piano and interpretation including program selection. Prerequisite: 8 credits in piano or consent of instructor. (MACKLIN)

132 Voice Class Methods 2 credits Second semester
A comparative survey of materials for voice class instruction with methods of presentation, including practice in singing and teaching with the class as a laboratory. Prerequisite: Junior standing or consent of instructor. (MCGILL)

171-172 Elementary School Music Methods
2 credits Each semester
Practical methods of teaching music in the kindergarten and grades one to six inclusive, with particular attention to the care and development of the child voice. Prerequisite: Junior standing. (BARNARD)

173-174 Class String Instrument Methods
1 credit Each semester
Practical course in the playing and teaching of string instruments in class, primarily for public school teachers. (CLAUS, LITTLE)

175-176 Class Wind Instrument Methods
1 credit Each semester
Practical course in the playing and teaching of wind instruments in class, primarily for public school teachers. (LYON)

177 Junior and Senior High School Methods
3 credits First semester
Organization and administration of high school music courses. Includes materials and methods for glee clubs, choruses, appreciation, orchestra, band, and theory and harmony classes. Prerequisite: Mus. 172. (BARNARD)

179 Choral Conducting 2 credits First semester
An introductory course in the technique of conducting with emphasis on materials for and interpretation of music for choruses, choirs, and glee clubs. Prerequisite: Junior standing. (JONES)

180 Orchestra Conducting 2 credits Second semester
A study of the materials for orchestra, interpretation, score reading, and practical experience in conducting. Prerequisite: Mus. 179. (CLAUS)

Practice Teaching (Ed. 131a) 2 credits Both semesters
To be arranged with the Director of Practice Teaching and the vocal or instrumental supervisor. Prerequisite: Mus. 172. (BARNARD, LYON)

Primarily for Graduates

205-206 Canon and Fugue 2 credits Each semester

An advanced course in contrapuntal writing including double counterpoint, imitation, sequences, canon, and fugues in three or more parts. Prerequisites: Mus. 106, 114. (LITTLE)

209-210 Advanced Composition 2 credits Each semester

Practice in original writing in the larger musical forms including writing for the orchestra. Prerequisite: Mus. 113-114. (MACKLIN)

211-212 Advanced Orchestration 2 credits Each semester

Advanced course in arranging and scoring for the orchestra, with emphasis on modern trends. Prerequisite: Mus. 111-112. (LYON)

202 Music Supervision 2 credits Second semester

Advanced course in administration and supervision of public school music, including organization, curriculum construction and supervisory techniques. Prerequisite: 8 credits in music methods. (BARNARD)

203 Problems in Music Education 2 credits First semester

Lectures and discussion of the problems of music education from the elementary through the college level. Particular reference to newer innovations and trends. Primarily for teachers in service. Prerequisite: 8 credits in music methods (JONES)

204 Advanced Music Methods 2 credits Second semester

Advanced course in techniques in music education. Particular reference to objectives, curriculum, accrediting, grading, ability grouping, and project and unit techniques. Prerequisite: 8 credits in music methods. (BARNARD)

208 Tests and Measurements in Music 2 credits Second semester

Evaluation and application of the various ability and achievement tests in music, with methods of use, analysis, and prognosis. Survey and evaluation of studies in the field of music testing. Prerequisites: Psych. 2, and 8 credits in music methods. (JONES)

214 Literature of Music 2 credits Either semester

Advanced practical course in the literature and interpretation of music for voice, violin, piano, or cello. Survey of concert and program literature and program building. Prerequisite: 16 credits in applied music. (MACKLIN, GILDEMEISTER, MCGILL, CLAUS, LITTLE, LYON, JONES)

279 Advanced Choral Conducting 2 credits First semester

Advanced practical course in baton technique and choral interpretation. Practice in conducting required. Prerequisite: Mus. 179 or equivalent. (JONES)

280 Advanced Orchestra Conducting 2 credits Second semester

Advanced practical course in techniques of orchestra conducting and orchestral interpretation, and study of symphonic scores by Haydn, Mozart, Beethoven and others. Practice in conducting required. Prerequisite: Mus. 180 or equivalent. (CLAUS)

281 Band Organization and Conducting 2 credits First semester

Laboratory course in band organization, literature, instrumentation, interpretation, program building, band formations, and conducting. Particular reference to the drum major and marching band. Prerequisite: Mus. 176 or equivalent. (LYON)

SUMMER SESSION

***S155 Advanced Music Appreciation (Stringham)** Summer Session

***S201b Band Supervision (Bachman)** Summer Session

*Not offered in 1936-37.

***S201c Choral Music Supervision (McConathy)**		Summer Session
***S216 History of Music (Stringham)**		Summer Session

APPLIED MUSIC COURSES

021 Piano (Sub-Freshman) (MACKLIN, GILDEMEISTER)	2 or 4 credits	Each semester
21 Piano (Lower Division) (MACKLIN, GILDEMEISTER)	2 or 4 credits	Each semester
121 Piano (Upper Division) (MACKLIN, GILDEMEISTER)	2 or 4 credits	Each semester
221 Piano (Graduate) (MACKLIN, GILDEMEISTER)	2 or 4 credits	Each semester
031 Voice (Sub-Freshman) (JONES, MCGILL)	2 or 4 credits	Each semester
31 Voice (Lower Division) (JONES, MCGILL)	2 or 4 credits	Each semester
131 Voice (Upper Division) (JONES, MCGILL)	2 or 4 credits	Each semester
231 Voice (Graduate) (JONES, MCGILL)	2 or 4 credits	Each semester
041 Violin (Sub-Freshman) (CLAUS)	2 or 4 credits	Each semester
41 Violin (Lower Division) (CLAUS)	2 or 4 credits	Each semester
141 Violin (Upper Division) (CLAUS)	2 or 4 credits	Each semester
241 Violin (Graduate) (CLAUS)	2 or 4 credits	Each semester
081 Viola (Sub-Freshman) (CLAUS)	2 or 4 credits	Each semester
81 Viola (Lower Division) (CLAUS)	2 or 4 credits	Each semester
181 Viola (Upper Division) (CLAUS)	2 or 4 credits	Each semester
061 Cello (Sub-Freshman) (LITTLE)	2 or 4 credits	Each semester
61 Cello (Lower Division) (LITTLE)	2 or 4 credits	Each semester
161 Cello (Upper Division) (LITTLE)	2 or 4 credits	Each semester
261 Cello (Graduate) (LITTLE)	2 or 4 credits	Each semester
085 Double Bass (Sub-Freshman) (LITTLE)	2 or 4 credits	Each semester
85 Double Bass (Lower Division) (LITTLE)	2 or 4 credits	Each semester
185 Double Bass (Upper Division) (LITTLE)	2 or 4 credits	Each semester
051 Organ (Sub-Freshman) (MACKLIN)	2 or 4 credits	Each semester
51 Organ (Lower Division) (MACKLIN)	2 or 4 credits	Each semester
151 Organ (Upper Division) (MACKLIN)	2 or 4 credits	Each semester

*Not offered in 1936-37.

251 Organ (Graduate) 2 or 4 credits Each semester
(MACKLIN)

ORCHESTRAL AND BAND INSTRUMENTS

Students may register for private instruction in any of the instruments used in the standard symphony orchestra or standard military or concert band. Two credits will be given for one lesson per week and four credits for two lessons per week.

091-91-191 Brass Instruments 2 or 4 credits Each semester
095-95-195 Woodwind Instruments 2 or 4 credits Each semester
097-97-197 Percussion Instruments 2 or 4 credits Each semester

ORGANIZED MUSIC

(Prerequisite: consent of instructor)

NOTE: Students desiring credit for mixed quartet, male quartet, string quartet, clarinet quartet, woodwind quintet, string trio, piano quintet, trumpet trio, and trumpet sextet, should register in Mus. 73-74, Ensemble.

35-36 Mixed Chorus 1 credit Each semester
Membership in the mixed chorus is open to all students in the University without tryout. Oratorio work constitutes the large part of the material for this chorus. The activities include the presentation of an oratorio during the spring season. (JONES)

35a-36a Vandaleers 1 credit Each semester
Membership in the Vandaleers is open to all students in the University subject to tryout and election by the club. Activities include concerts, short programs, appearances in school assemblies, and an annual tour. Material consists of standard and classic mixed chorus arrangements. The group is limited to twenty-four. (JONES)

35b-36b Treble Clef Club (Women) 1 credit Each semester
Membership in the Treble Clef Club is open to all girls in the University after consultation with the director. The material includes standard and classic music arranged for women's voices and cantatas and excerpts from opera and oratorios. Activities include concerts and assembly programs. (MCGILL)

35c-36c Apollo Club (Men) 1 credit Each semester
Membership in the Apollo Club is open to all men in the University after consultation with the director. Material includes standard arrangements of male chorus music, and activities include concerts and assembly programs. (JONES)

35d-36d A Cappella Choir 1 credit Each semester
Membership in this organization is open to all students in the University after consultation with the director. Material includes unaccompanied music of the ancient, classic, and modern periods. Activities include concerts, and assembly and radio programs. (JONES)

45-46 University Orchestra 1 credit Each semester
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. This course is required of students majoring in the orchestral instruments. (CLAUS)

THE UNIVERSITY BANDS

NOTE: Students desiring credit for work in the University Bands will register under Military Science and Tactics.

The University maintains two bands, the Military Concert Band and the First Regimental Band. Members are chosen on the basis of superior musicianship and ability. These organizations emphasize the study of standard and advanced band literature, give several concerts during the school year, and furnish music for parades, inspections, and other military functions. Membership in the bands may be substituted for required military drill. (LYON)

Norse

(See under *Modern Languages*)

PHILOSOPHY

Professor CHENOWETH, DR. VIRTUE

Primarily for Undergraduates

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. Cannot be counted toward fulfillment of the philosophy requirement for B.A. degree. (CHENOWETH, VIRTUE)

51 History of Ancient Philosophy 3 credits First semester

A general study of the development of thought from Thales to Descartes, with special reference to the origin of the concepts which are commonly used in the expression of modern thought. 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 study of the various phases 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. (VIRTUE)

104 Contemporary Philosophy 3 credits Second semester

A critical study of contemporary philosophies with especial reference to the systems of naturalism, idealism, realism, and pragmatism. Prerequisites: Phil. 1-2, 51, or equivalent. (VIRTUE)

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)

108 Social Ethics 3 credits Second semester

An examination of the way in which ethical principles enter into the solving of current problems of social morality. Prerequisites: Phil. 1 and 2, or equivalent. (VIRTUE)

109 Problems in Philosophy 3 credits First semester

An examination of the fundamental problems in philosophy, including cosmological and ontological inquiries, with an investigation of the nature of mind, the structure of knowledge, and the fundamental character of value. Prerequisites: Phil. 1-2, 51, or equivalent. (VIRTUE)

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)

114 Aesthetics 3 credits Second semester

An analysis of the experience of the beautiful. A non-technical investigation of the various types of art and a consideration of the relation of art to science, morality, and religion. Prerequisites: Phil. 1-2, or work in art and architecture, music literature, or home economics, and junior standing. (VIRTUE)

121 Philosophical Ideas in Recent European Literature

3 credits First semester

A study of the philosophical, ethical, and religious ideas in the works of Leo Tolstoi, Friedrich Nietzsche, and Henrik Ibsen, and their importance in the development of modern thought. Prerequisites: Phil. 1-2, or Phil. 51-52, or advanced work in literature. (VIRTUE)

122 Philosophical Ideas in Recent American Literature

3 credits Second semester

The philosophical attitudes of such representative authors as O'Neil, Lewis, Cather, Sandburg, Robinson, Millay, Lippman, certain proletarian writers, and others, will be studied as expressions of evolutionary naturalism, instrumentalism, realism, and idealism. Prerequisites: Phil. 1-2, or Phil. 51-52, or advanced work in literature. (VIRTUE)

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 (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. (CHENOWETH, VIRTUE)

205-206 Research Credits to be arranged 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. (CHENOWETH, VIRTUE)

PHYSICAL EDUCATION FOR MEN

Professors BANK and CLAPP; Associate Professors FOX and RYAN; Assistant Professor TESSIER; Mr. PADDOCK, Mr. AUGUST, Mr. LEATHAM Mr. CRUIKSHANK

The University maintains a carefully planned and coordinated program for the health of the students. A physician and an infirmary offer diagnostic service and advice. The department of physical education seeks to develop a health-building and recreational program, and to establish regular habits of physical activity. To this end it endeavors to develop skill in and enthusiasm for sports which may be enjoyed in college and afterward. It offers instruction in numerous games and facilities for participation in them at the level of skill (intramural or intercollegiate) most profitable, socially and physically, to each participant. Physical and medical examinations are required of all new students on matriculation. All freshmen and sophomores, unless excused by the medical department or the divisional dean, are required to take P.E. 31-32-33-34.

A major or minor course of study for prospective teachers of physical education, hygiene and recreation, leading to a B.S.(Ed.) degree, is offered in cooperation with the School of Education.

A minor in physical education, leading to a M.S.(Ed.) degree, is offered for students of graduate standing.

REQUIRED COURSES

Primarily for Undergraduates

***31-32-33-34 Freshman and Sophomore Sports**
½ credit—1 hour per week Each semester
Required of freshmen and sophomores. Instruction and participation in:

Swimming	Basketball	Soft ball
Touch Football	Volley ball	Track
Boxing	Tennis	Fencing
Wrestling	Tumbling and stunts	Clog and tap dancing

(STAFF)

***35-36 Restricted Physical Education**
½ credit—1 hour per week Each semester
Required when physical and medical examinations necessitate prescribing specific activities to meet the individual's need. (STAFF)

ELECTIVE COURSES

Primarily for Undergraduates

21-22 Clog and Tap Dancing 1 credit Each semester
See *Physical Education for Women.* (WIRT)

*Not more than ½ credit can be secured in any one of these courses any one semester.

41 Freshman Activities 2 credits First semester

Required of freshman majors. One lecture and three laboratory periods per week. Calisthenics, tumbling and stunts, apparatus. (PADDOCK)

42 Freshman Activities 2 credits Second semester

Required of freshman majors. One lecture and three laboratory periods per week. Boxing, wrestling. (TESSIER)

43 Sophomore Activities 2 credits First semester

Required of sophomore majors. One lecture and three laboratory periods per week. High and low organized games. (PADDOCK)

44 Sophomore Activities 2 credits First semester

Required of sophomore majors. One lecture and three laboratory periods per week. Swimming, life saving, water polo. (TESSIER)

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. (CLAPP)

99 Technique and Methods of Coaching Track

2 credits First semester

Two-hour lecture course in the methods of coaching track teams. Details of teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning of athletes. In addition, all students will receive practical instruction on the field in track from the coach's viewpoint.

For Advanced Undergraduates and Graduates

102 Playground and Community Recreation

2 credits Second semester

See *Physical Education for Women.*

131 Methods of Teaching Health and Physical Education

2 credits First semester

This course deals with the various problems in the organization of the physical education activities program to secure educational objectives. Prerequisites: P.E. 41-42-43-44. (CLAPP)

141 Technique and Methods of Coaching Basketball

2 credits First semester

Two-hour lecture course in the methods of coaching basketball teams. Details of teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning of athletes. In addition, all students will receive practical instruction on the field in basketball from the coach's viewpoint. Prerequisite: Junior standing. (FOX)

142 Technique and Methods of Coaching Baseball

2 credits Second semester

Two-hour lecture course in the methods of coaching track teams. Details of teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning of athletes. In addition, all students will receive practical instruction on the field in baseball from the coach's viewpoint. Prerequisite: Junior standing. (FOX)

144 Technique and Methods of Coaching Football

2 credits Second semester

Two-hour lecture course in the methods of coaching football

teams. Details of teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning of athletes. In addition, all students will receive practical instruction on the field in football from the coach's viewpoint. Prerequisite: Junior standing. (BANK)

171 Principles for Physical Education 2 credits First semester

Interpretation of the aims and objectives of physical education, the principles and procedures upon which the physical education program should be based, and its relation and contribution to general education. (CLAPP)

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. (CLAPP)

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. (RYAN)

187 Intramural Athletics 2 credits First semester

The organization and administration of the intramural program in elementary and secondary schools, and the ability to officiate at the various activities required. Prerequisite: Junior standing. (CLAPP)

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: Junior standing. (RYAN)

196 Organization and Administration 3 credits Second semester

The organization of a staff, of programs, constructing the gymnasium, arrangement and care of equipment, care and administration of courts, tanks, and fields, and general problems of supervision of a physical education department. Prerequisite: P.E. 131. (BANK)

Primarily for Graduates

246 Coaching Athletic Activities for Men
2 credits Summer School

This course deals with the coaching theory of major sports, stressing the correlation of offense and the setting up of particular defenses to meet the various attacks. The individual's special problems will be given special attention.

296 Advanced Organization and Administration of Physical Education
2 credits Second semester

Deals with the policies in the organization of the program, and the methods of administration to secure results in the public schools, high school, and elementary schools. Topics stressed: classification of children; the time schedule; teaching staff; training; load; office organization and administration; state laws and programs of physical administration; the plant; and finances.

297-298 Seminar in Physical Education 2 credits Each semester

PHYSICAL EDUCATION FOR WOMEN

Associate Professor WIRT, Miss LOCKE*, Miss DRAY, Miss MYLNE
Professors BANK and CLAPP, Associate Professor RYAN

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 in Part III of this catalog. Those registering in this course should consult 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, also may be outlined in conference with the head of the department in which the student majors and with the director of physical education for women. P.E. 125-126 and P.E. 127-128 are absolutely essential to minor curriculum.

All freshmen and sophomore women, unless exempted because of physical disability as determined in the university physical examinations, are required to elect activities among the following courses: P.E. 9-10, 11-12, 13-14, 15-16, 17-18, 19-20, 21-22, 55-56, 66, or if qualified, P.E. 109-110, 117-118. If the physical examinations given all entering women students, or later indications disclose defects in posture, feet, etc., which could be remedied by individual corrective exercises, prescription for the same will be given and individual work outlined in addition to the course for which registered. While freshmen may, if they desire, register for an elective in physical education activities additional to the required hour each semester, they are not permitted to apply such credit earned in the first year to fulfillment of requirement in the sophomore year.

P.E. 1-2, Personal Hygiene, is required of all first-year women except those registered in the home economics or pre-nursing curriculum.

Primarily for Undergraduates

1-2 Personal Hygiene 1 credit Each semester
Informal discussion of and project approach to consideration of personal hygiene problems of the college woman. (WIRT)

9 Beginning Dancing 1 credit First semester
Emphasis upon natural coordination of bodily movement and carry over of them into everyday activities. Recommended for social poise and for stage presence for music and dramatics students. Natural and modern dancing. Two hours a week. (WIRT)

10 Beginning Dancing 1 credit Second semester
Continuation course in dancing. Prerequisite: P.E. 9. Two hours a week. (WIRT)

11 Danish Gymnastics 1 credit First semester
Free swinging exercises demanding alternation of strenuous and relaxed movements, aimed at development of coordination, increased mobility, and flexibility. Informal in approach. Two hours a week. (DRAY)

12 Apparatus and Tumbling 1 credit Second semester
Practice in individual, partner, and group stunts, pyramid building, tumbling and apparatus work on flying rings, traveling rings, window ladder, climbing rope, etc. Two hours a week. (LOCKE)

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

*On leave second semester, 1935-36.

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. (LOCKE and MYLNE)

15-16 Folk Dancing 1 credit Each semester

Dances of various nations, with recreational rather than art approach in rhythmic expression. Of value to those planning to teach in elementary schools. Two hours a week. (WIRT)

17-18 Individual and Leisure Time Sports
1 credit Each semester

Practice in activities which most easily can be continued in after-school life. Includes horseshoes, tennis, table tennis, deck tennis or tenni-quoits, hand tennis, golf. Equipment for golf and tennis must be provided by the registrants. Two hours a week. (MYLNE)

19-20 Women's Athletics 1 credit Each semester

Participation in speed ball, volley ball, basketball, and baseball. Class attendance counted for one-half of necessary practices to qualify for intramural teams. Those who play in interclass tournaments may win points in the Women's Athletic Association. Two hours a week. (LOCKE)

21-22 Clog and Tap Dancing 1 credit Each semester

Emphasis upon relaxed coordination and pantomimic characterizations. Two hours a week. Special section for men. (WIRT)

47 History of Physical Education 2 credits First semester

See *Physical Education for Men.* (CLAPP)

55-56 Intermediate Swimming 1 credit Each semester

Continuation of beginners' course with addition of single overarm trudgen, trudgen 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. (MYLNE)

66 Life Saving 1 credit Each semester

Adaptation of swimming strokes to life-saving, with instruction in approaches, carries, breaks, artificial respiration, etc. Official Red Cross test given at end of course. Two hours a week. Prerequisites: P.E. 13-14 and 55 or equivalent in abilities test. (MYLNE)

For Advanced Undergraduates and Graduates

102 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. Two class periods a week. (MYLNE)

109-110 Advanced Dancing 1 credit Each semester

Emphasis upon techniques of the modern dance and the principles of composition in the dance. Two hours a week. Prerequisite: P.E. 9-10 or equivalent. (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. (MYLNE)

121 Teaching of Corrective Gymnastics 2 credits First semester

Technique of giving physical examinations and the prescription of proper remedial exercises. Two hours a week. (MYLNE)

122 The Teaching of Hygiene 2 credits Second 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. 1 and 2, and junior standing. (WIRT)

125-126 Management of Women's Athletics

2 credits Each semester

Theory and practice in coaching team games for use in playgrounds, public schools, high schools, and camps. Two lecture periods and two hours' practice teaching. Prerequisite: P.E. 19-20. (LOCKE)

127-128 Methods in Physical Education 2 credits Each semester

Organization of programs in physical education for elementary children and high school girls, consideration of problems of administration, of aims and objectives, principles, and methods of teaching. Two class periods a week. Prerequisite: fulfillment of underclass departmental requirements. (Not given in 1936-37.) (WIRT)

129 Practice Teaching 3 credits First semester

Fifty-four hours' teaching. Prerequisite: P.E. 126. At Moscow High School. (Not given in 1936-37.) (WIRT)

188 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: Junior standing. (RYAN)

196 Organization and Administration 3 credits Second semester

See *Physical Education for Men.* (BANK)

PHYSICS

Professor HAMMAR, Assistant Professors LUKE and STAUFFER

Primarily for Undergraduates

1 Elementary Physics 4 credits Second semester

An introductory survey of the field of physics with emphasis on everyday applications. 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. Desired preparation: 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: high school physics. (HAMMAR, LUKE, STAUFFER)

54 Music and Sound 4 credits Second semester

A non-technical treatment of the elements of acoustics with applications to musical instruments, scales and harmony and auditorium acoustics. 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. (HAMMAR)

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. (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. (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; 131 and 133.

Primarily for Graduates

201-202 Research Credits to be arranged 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)

251-252 Introduction to Theoretical Physics
3 credits Each semester
Prerequisite: Phys. 121-122. (HAMMAR)

261-262 Seminar 1 credit Each semester
A study of topics from recent research.

PLANT PATHOLOGY

Associate Professor RAEDER, Assistant Professors BLODGETT and PIERCE

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. Prere-

quisite: Bot. 1-2, or Bot. 11. One lecture and two laboratory periods weekly. (RAEDER, BLODGETT)

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. (PIERCE)

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, beans, sugar beets, alfalfa, clover, etc. One lecture and one laboratory period weekly. Prerequisite: P.P. 101. (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. (BLODGETT)

106 Diseases of Truck Crops 2 credits Second semester

A study of some of the diseases of the more important truck crops grown in Idaho. Two lectures weekly. Prerequisite: P.P. 101. (PIERCE)

107-108 Pro-Seminar 1 credit Each semester

(STAFF)

110 Thesis 1 credit Second semester

(STAFF)

Insecticides and Fungicides 3 credits Second semester

See Hort. 180. (Available to students in Plant Pathology.)

Primarily for Graduates

201-202 Seminar 1 credit Each semester

(STAFF)

203-204 Research Credits to be arranged Each semester

(STAFF)

POLITICAL SCIENCE

Professor KERR, Mr. CHAMBERLAIN, Mr. BERGERSON

Primarily for Undergraduates

1-2 American Government 3 credits Each semester

A survey of the national, state, and local governments. Special consideration of the organization, functions, and present-day problems of the American federal government. (KERR, CHAMBERLAIN, BERGERSON)

75 State Government 3 credits First semester

An analysis of American state government. Emphasis upon executive budget, administrative consolidation, relations of the states and the federal government. (CHAMBERLAIN)

76 City and County Government 3 credits Second semester

A study of the organization, functions, and special problems of the local units of government in the United States. (CHAMBERLAIN)

For Advanced Undergraduates and Graduates

125 Comparative Government 3 credits First semester

The organization, functions, administration, and special systems of the leading countries of the world. Recent changes in European governments. Prerequisite: Pol. Sci. 1-2 or 75-76. (CHAMBERLAIN)

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. Sci. 1-2 or 75-76. (BERGERSON)

128 American Political Theory 3 credits Second semester

American contributions to political thought. Writings of Paine, Hamilton, Jefferson, Calhoun, and others. Consideration will also be given to more recent developments in American political theory. Prerequisite: Pol. Sci. 1-2 or 75-76. (BERGERSON)

132 Political Parties 2 credits Second semester

Public opinion and the political process. Party machines, the spoils system, nominating methods, conduct of elections. Prerequisite: Pol. Sci. 1-2 or 75-76. (CHAMBERLAIN)

135 Legislation and Legislative Bodies 2 credits First semester

Practical workings of legislative bodies. Special attention will be given to such problems as representation, committee activity, the lobby, and the influence of the executive. Prerequisite: Pol. Sci. 1-2 or 75-76. (BERGERSON)

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. Sci. 1-2 or 75-76. (KERR)

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. Sci. 1-2 or 75-76. (KERR)

138 International Political Organizations 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. Sci. 1-2 or 75-76. (BERGERSON)

142 Conduct of American Foreign Policy 3 credits Second semester

Analysis of the chief factors which tend to determine our foreign policy. Especial consideration will be given to Dollar Diplomacy, the Open Door, Isolation, etc. Prerequisite: Pol. Sci. 1-2 or 75-76. (BERGERSON)

151 Government and Business 3 credits First semester

Growth of governmental control, 1890-1930. Sherman Act, Clayton Act, Esch-Cummins Act. Analysis of the New Deal and its implications for the future. Prerequisite: Pol. Sci. 1-2 or 75-76. (KERR)

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. Sci. 1-2 or 75-76. (CHAMBERLAIN)

Primarily for Graduates

205 Principles of International Law 3 credits First semester

Origin and development of International Law and its present

status. Case method will be used. Special study of recent developments. (BERGERSON)

206 Problems in Local Government 3 credits Second semester
Emphasis on new problems growing out of increasing complexity of our economic and social structure. Special consideration to county problems. (CHAMBERLAIN)

207-208 Seminar 2 credits Each semester
Each semester a problem in some field of Political Science will be chosen for study. Course will be conducted through papers and reports. (KERR, CHAMBERLAIN)

211-212 Research in Political Science
Credits to be arranged Each semester
(KERR)

POULTRY HUSBANDRY

Professor LAMPMAN, Mr. WILLIAMS

Primarily for Undergraduates

Introductory Survey 1 credit First semester
This course is given in conjunction with Animal Husbandry 1. (LAMPMAN, WILLIAMS)

For Advanced Undergraduates and Graduates

101 Market Grades and Marketing Agencies
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 to be arranged. 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, Mr. BERG

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; measurements 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 1936-37.) (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 2, or equivalent. (Not given 1936-37.) (LEMON)

106 Infant and Child Psychology 3 credits Second semester

Behavior problems and the psychological care of the young child. Prerequisites: Psych. 1 and 2, or equivalent. (LEMON)

109 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. (BARTON)

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 3 credits First semester

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

151 Psychology of High School Subjects 3 credits First semester

Specific application of educational psychology to the teaching of the subjects of the high school curriculum. Prerequisites: Psych. 1 and 2. (LEMON)

152 Psychology of Elementary School Subjects

3 credits Second semester

A course designed for superintendents, supervisors, and teachers in the elementary school. The application of educational psychology to the subjects of the course of study of the elementary school. Prerequisites: Psych. 1 and 2. (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)

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 2, 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 practices in their administration; use of test results in classification and treatment of pupils. Prerequisites: Psych. 1, 4, and 117. (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)

212 Advanced Psychological Methods 2 credits Second semester

An advanced course to supplement Psych. 117 (Psychological Methods) which includes special correlation techniques; partial and multiple correlation, factor analysis, and experimental techniques adapted to psychological materials. Prerequisite: Psych. 59. (BOYER)

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. (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. (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 receptive roles 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 announcements issued by the Religious Institutes)

SOCIOLOGY

Professor KERR, Assistant Professor VOELKER

Primarily for Undergraduates

51 Sociology 3 credits Each semester

The student is introduced to such fundamental sociological conceptions as group, community, society, contact, isolation, control, interaction, and collective behavior. An analysis of the strike, the gang, and other social phenomena from this point of view follows. Not open to freshmen. (VOELKER)

70 Group Control 3 credits Second semester

Control mechanisms in preliterate and literate societies and in social institutions and mass movements will be compared. The roles of ceremony, ritual, dogma, myth, slogans, legend, prestige, taboo, rapport, esprit de corps and morale are given special attention. Prerequisite: Soc. 51. (VOELKER)

For Advanced Undergraduates and Graduates

121 The Family 3 credits First semester

The historical and economic backgrounds of the modern family. Analysis of the social interaction of the various members of the family and the roles which they play. Relation of the family to social change. Prerequisite: Soc. 51. (VOELKER)

132 Criminology 3 credits Second semester

Consideration is given to the various factors involved in delinquency and crime. Analyses and cases of delinquency. Discussion of the functioning of penal institutions and the treatment of offenders. Prerequisite: Soc. 51. (VOELKER)

144 Race and Nationality Problems 3 credits Second semester

The social processes involved in the migration of races and nationalities, special attention being devoted to the process of assimilation resulting from such migration. Programs of assimilation in Europe and America are compared. Prerequisite: Soc. 51. (VOELKER)

153 Social Disorganization 3 credits First semester

Rapid social change resulting from natural catastrophe, mobility, invention, or scientific discovery in relation to the breakdown of control in existing economic, social, and political institutions, and to personality disorganization. Interaction between factors involved in the disorganization process and the emergence of movements of reorganization. Prerequisite: Soc. 70. (VOELKER)

156 Social Case Work 3 credits Second semester

Principles and theories of various social sciences in relation to the study of maladjusted persons and dependent families. Methods of treatment with the view to their rehabilitation discussed. Prerequisite: Soc. 121 or senior standing. (VOELKER)

161 Community Organization 3 credits First semester

The community from the point of view of its ecological, economic, and political organization. The roles and functions of the various social institutions and welfare organization in the interest of social welfare. Prerequisite: Soc. 51. (VOELKER)

165 Public Opinion 3 credits First semester

Analysis of the processes of group thinking through the study of sermons, newspapers, periodicals, plays, movies, and radio broadcasts with reference to the types of problems to which they call attention and the forms of appeal which are used. Public opinion is distinguished from propaganda, advertising, and education. Prerequisite: Soc. 70. (VOELKER)

Primarily for Graduates

211-212 Research in Sociology Credits to be arranged Each semester (KERR, VOELKER)

Spanish

(See under *Modern Languages*)

ZOOLOGY

Professor STOUGH, Assistant Professor GLASS, Mr. STEFFENS, Mr. MILLER, Miss PETERSON

Primarily for Undergraduates

1-2 General Zoology 4 credits Each semester

The general problems of animal structure, 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, GLASS, MILLER, HAUCK, PETERSON)

4 Comparative Anatomy of Vertebrates

4 credits Second semester

Dissection and study of types of vertebrates, together with lectures and discussions on general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two three-hour laboratory periods a week. Prerequisite: Zool. 1-2. (STOUGH, STEFFENS)

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, or Bot. 3. (GLASS)

53 Invertebrate Zoology 4 credits First semester

A systematic study of invertebrates with special attention to life histories, taxonomy, and distribution of fresh-water and terrestrial forms occurring in this region. Recommended especially for prospective teachers of zoology and biology. Two lectures and two three-hour periods of laboratory or field work a week. Prerequisite: Zool. 1, or junior standing. (MILLER)

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. (GLASS)

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. Prerequisite: 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 1936-37.

66 Protozoology 3 credits Second semester

An introduction to the study of protozoans. Lectures deal with their classification, morphology, life histories, physiology, and ecology with special reference to forms pathogenic in man. Laboratory work involves the collection, cultivation, taxonomy, and morphology of free-living and parasitic species. Two lectures and one three-hour laboratory period a week. Prerequisite: Zool. 1. (MILLER)

68 Ornithology 3 credits Second semester

Not offered 1936-37.

70 Social Hygiene (Men) 2 credits First semester

Not offered 1936-37.

For Advanced Undergraduates and Graduates

101 The Teaching of Zoology 2 credits First semester

Not offered 1936-37.

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. Prerequisite: Zool. 1, 2 or 6, 4, and 113. (GLASS)

105-106 Human Physiology 3 credits Each semester

A study of the varius 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 or 58. (Zool. 113 is recommended.) (GLASS)

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. (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 1936-37.

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 tissue 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)

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

A study of animal parasites with special emphasis on those of man. Laboratory includes the securing of living parasites in all stages of their life histories and the treatment of this material for morphological and other studies. Recommended for pre-medical and pre-nursing students as well as for zoology majors. Two lectures and one three-hour laboratory period per week. Prerequisite: Zool. 2 or 53. (MILLER)

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, STEFFENS)

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 1936-37.

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. (STOUGH, GLASS)

PART VI

Administrative Officers and Faculty of the University

State Board of Education
and
Board of Regents of the University of Idaho

JEROME J. DAY, *President* ..... Wallace
Term expires April, 1938

MRS. A. A. STEEL, *Vice-President* ..... Parma
Term expires April, 1936

J. F. JENNY, *Secretary* ..... Cottonwood
Term expires April, 1939

CLENCY ST. CLAIR ..... Idaho Falls
Term expires April, 1940

ASHER B. WILSON ..... Twin Falls
Term expires April, 1937

JOHN W. CONDIE, *Superintendent of Public Instruction* ..... Boise
Ex-officio

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

Executive Committee for the University of Idaho

JEROME J. DAY, *Chairman*
CLENCY ST. CLAIR — J. F. JENNY — ASHER B. WILSON — J. W. CONDIE
PRESIDENT M. G. NEALE, *Secretary*

MERVIN GORDON NEALE, PH.D. ..... *President of the University*
JOHN ANTON KOSTALEK, PH.D. ..... *Dean of the College of Letters and Science, and Director of Pre-Medical and Pre-Nursing Curricula*
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*
PENDLETON HOWARD, PH.D. ..... *Dean of the College of Law*
ARTHUR WILLIAM FAHRENWALD, E.M., MET.E. ..... *Dean of the School of Mines*
DWIGHT SMITHSON JEFFERS, PH.D. ..... *Dean of the School of Forestry*
JAMES FRANKLIN MESSENGER, PH.D. ..... *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 and Vice-Director of the Agricultural Experiment Station*
THOMAS STONER KERR, LL.B. ..... *Dean of the Junior College*
JAY GLOVER ELDRIDGE, PH.D. ..... *Dean of the University Faculty*
JOHN RALPH NICHOLS, PH.D. ..... *Executive Dean of the Southern Branch* (Pocatello)
PERMEAL JANE FRENCH, M.A. ..... *Dean of Women*
KATHERINE JENSEN, M.S. ..... *Director of Home Economics Curricula*
ARCHIE NEFF JONES, M.A. ..... *Director of Music Curricula*
FRANK STANTON, LL.B. ..... *Bursar*
ELLA LETITIA OLESEN ..... *Registrar*
MARY BELLE SWEET, B.L.S. ..... *Librarian*
OREN ARAM FITZGERALD, M.A. ..... *University Editor*
RAYMOND W. LIND, B.S. (C.E.) ..... *Superintendent of Buildings and Grounds*
FLOYD LYMAN PACKER ..... *Chief Accountant and Purchasing Agent*
GEORGE ELMER HORTON, B.S. (E.E.) ..... *Graduate Manager of Student Activities*
ROBERT FULTON GREENE, B.S. (ED.) ..... *Proctor of Men*

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.

GORDON DEE ALCORN, PH.D., *Assistant Professor of Botany*
B.S., College of Puget Sound; M.S., Ph.D., University of Washington. 1935.

ALFRED LEONARD ANDERSON, PH.D., *Professor of Geology*
B.S.(Chem.), M.S.(Geol.), University of Idaho; Ph.D., University of Chicago. 1928.

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.

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.

G. ORIEN BAKER, M.S.(AGR.), *Assistant Professor of Agronomy, and Soil Technologist, Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.), Washington State College. 1935.

THEODORE PAUL BANK, M.A., *Professor of Physical Education, Head Football Coach and Head of the Department of Physical Education for Men*
A.B., University of Michigan; M.A., Tulane University. 1935.

BERENICE BARNARD, M.S., *Assistant Professor of Music*
B.F.A., B.M., University of Nebraska; M.S., University of Idaho. 1931.

JOSEPH WESLEY BARTON, PH.D., *Professor of Psychology, and Head of the Department of Psychology*
B.S., University of Utah; Ph.D., Peabody Teachers College. 1920.

ARTHUR HENRY BEATTIE, M.A., *Assistant Professor of Modern Languages*
B.A., M.A., University of British Columbia. 1931.

RAYMOND JOHN BECRAFT, M.S., *Professor of Range Management*
B.S., Utah Agricultural College; M.S., Iowa State College. 1935.

*WILLIAM MALCOLM BEESON, PH.D., *Assistant Professor of Animal Husbandry; and Assistant Animal Husbandman, Agricultural Experiment Station*
B.S., Oklahoma A. and M. College; M.S., Ph.D., University of Wisconsin. 1936.

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 Plant Pathologist, U.S.D.A., Agricultural Experiment Station*
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1929.

EARLE BLODGETT, PH.D., *Assistant Professor of Plant Pathology; and Associate Plant Pathologist, Agricultural Experiment Station*
B.S., M.S., University of Idaho; Ph.D., University of Wisconsin. 1927-28; 1929-30; 1935.

RUFUS S. BRATTON, Lieutenant Colonel, Infantry, U.S. Army, *Professor of Military Science and Tactics*
Graduate, U.S. Military Academy; Graduate, Command and General Staff School; Graduate, Infantry School, Fort Benning, Georgia; Graduate, Second Year Course, Imperial Japanese Army Staff College. 1936.

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.

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*Appointed Feb. 1, 1936.
**In cooperation with U.S. Department of Agriculture.

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, PH.D., *Associate Professor of Chemistry, and Acting Head of the Department of Chemistry*
B.S.(Chem.E.), M.S., University of Idaho; Ph.D., University of Wisconsin. 1922.

ISAAC NEWTON CARTER, C.E., *Associate Professor of Civil Engineering*
B.S.(C.E.), M.S.(C.E.), C.E., University of Idaho. 1923.

CURTIS 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.

VIRGIL ARTHUR CHERRINGTON, M.S., *Assistant Professor of Bacteriology; and Assistant Bacteriologist, Agricultural Experiment Station*
B.S., Iowa State College; M.S., University of Idaho. 1928.

EDWARD ROBERT CHRISMAN, Brigadier General, U.S. Army, Retired, *Commandant of Cadets and Lecturer in Military Science and Tactics Emeritus*
Graduate, 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.

PERCY OTIS CLAPP, M.S. (PHYS.ED.), *Professor of Physical Education, Assistant Football Coach, and Intramural Director*
B.S., University of Minnesota; M.S., New York University. 1935.

CARL CLAUS, *Associate 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.

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.

GLEN LEROY DUNLAP, M.S., *Assistant Professor of Bacteriology; and Assistant Bacteriologist, Agricultural Experiment Station*
D.V.M., Kansas State College; M.S., University of Michigan. 1935.

DONALD DUDLEY DUSAULT, M.S., *Assistant Professor of Chemistry*
B.S., M.S., University of Idaho. 1923.

JOHN EHRLICH, PH.D., *Assistant Professor of Forestry*
B.S., Cornell University; A.M., Duke University; S.M., Ph.D., Harvard University. 1935.

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, E.M., MET.E., *Professor of Metallurgy and Ore Dressing, Head of the Department of Mining and Metallurgy, and Dean of the School of Mines*
B.S.(Met.E.), 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.

OREN ARAM FITZGERALD, M.A., *University Editor*
B.A., M.A., University of Idaho. 1927.

WILLIAM E. FOLZ, PH.D., *Assistant Professor of Business Administration*
B.S., Evansville College; M.S., Ph.D., University of Illinois. 1935.

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*On leave second semester, 1935-36.
**On leave, 1935-36.

DAVID LESLIE FOURT, M.S., *Professor of Dairy Husbandry; and Associate Dairy Husbandman, Agricultural Experiment Station*
B.S., M.S., University of Idaho. 1922.

RICHARD ANTHONY FOX, M.S.(ED.), *Assistant Professor of Physical Education, Assistant Football Coach, Head Basketball and Baseball Coach*
B.S.(Agr.), University of Idaho; M.S.(Ed.), 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.

LEROY CONRAD GLASS, M.S., *Assistant Professor of Zoology*
B.S., Purdue University; M.S., University of Wisconsin. 1930.

ERWIN GRAUE, PH.D., *Professor of Economics*
B.S., Ph.D., Cornell University. 1928.

WILLIAM VERNAL HALVERSEN, PH.D., *Professor of Bacteriology; Head of the Bacteriology Department; 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 Head of the Department of Physics*
B.S., M.S., University of Idaho; Ph.D., California Institute of Technology. 1922.

ARTHUR LEON HARDING, S.J.D., *Professor of Law*
A.B., University of Arkansas; J.D., University of Michigan; S.J.D., Harvard University. 1933.

CHARLES HARDY HART, JR., Captain, Infantry, U.S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, Infantry School. 1924.

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.

CARL GOOCH HOWARD, M.S., *Associate Professor of Agricultural Education, and Assistant Teacher-Trainer*
B.S., University of Illinois; M.S., University of Wyoming. 1935.

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.

PENDLETON HOWARD, PH.D., *Professor of Law, and Dean of the College of Law*
LL.B., University of Texas; A.B., A.M., Ph.D., Columbia University. 1929.

ARTHUR SYLVESTER HOWE, M.A., *Associate Professor of Modern Languages*
A.B., College of William and Mary; M.A., University of Idaho. 1922.

ROBERT HARSH HULL, E.E., *Associate Professor of Electrical Engineering*
B.S.(E.E.), E.E., University of Colorado. 1929.

CHARLES WILLIAM HUNGERFORD, PH.D., *Professor of Plant Pathology; Plant Pathologist, Agricultural Experiment Station; 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.

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.

EDWIN CORNELIUS JAHN, PH.D., *Professor of Forestry*
B.S., M.S., New York State College of Forestry at Syracuse; Ph.D., McGill University. 1930.

DWIGHT SMITHSON JEFFERS, PH.D., *Professor of Forestry, and Dean of the School of Forestry*
A.B., Illinois Wesleyan University; M.F., Ph.D., Yale University. 1935.

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.

ARCHIE NEFF JONES, M.A., *Professor of Music, and Head of the Department of Music*
Diploma, University of Nebraska School of Music; B.S., M.A., University of Minnesota. 1935.

THOMAS STONER KERR, LL.B., *Professor of Political Science and Business Law, and Dean of the Junior College*
A.B., Indiana University; LL.B., University of Michigan. 1924.

KARL H. W. KLAGES, PH.D., *Professor of Agronomy; and Agronomist, Agricultural Experiment Station*
B.S., Oregon State College; M.S., Ph.D., University of Illinois. 1936.

HAROLD PHILIP KLUG, PH.D., *Assistant Professor of Chemistry*
B.A., M.A., Ph.D., Ohio State University. 1934.

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.

MARK RUPP KULP, M.S.(AGR.ENGR.), *Assistant Professor of Agricultural Engineering; and Irrigationist, Agricultural Experiment Station*
B.S.(C.&I.E.), Colorado Agricultural College; M.S.(Agr.Engr.), University of Idaho. 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, and Assistant Dean of the College of Agriculture*
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.

RAYMOND W. LIND, B.S.(C.E.), *Superintendent of Buildings and Grounds*
B.S.(C.E.), University of Colorado. 1929.

JAMES DONALD LINDSAY, PH.D., *Assistant Professor of Chemical Engineering*
B.S., M.S., Ph.D., University of Michigan. 1935.

GEORGE LEROY LUKE, M.A., *Assistant Professor of Physics*
B.A., Brigham Young College; M.A., University of Wisconsin. 1920.

ROBERT BRADLEY LYON, B.M., *Assistant Professor of Music*
B.S., B.M., University of Illinois. 1934.

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.

DONALD MCGILL, A.B., *Associate Professor of Music*
A.B., Oberlin College. 1935.

HALL MCINTYRE MACKLIN, B.M., *Assistant Professor of Music*
B.M., University of Illinois. 1935.

HARRY PETER MAGNUSON, M.S.(AGR.), *Associate Professor of Agricultural Chemistry; and Acting Agricultural Chemist, Agricultural Experiment Station*
B.S.(Agr.), University of Nebraska; M.S.(Agr.), University of Idaho. 1920.

CECIL EUGENE MARSHALL, PH.D., *Assistant Professor of European History and Civilization*
B.A., Morningside College; M.A., Ph.D., University of Iowa. 1934.

ELDRED ROLAND MARTELL, PH.D., *Professor of Forest Management*
B.S.F., M.S.F., Ph.D., University of Michigan. 1935.

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.

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.

LILLIAN NAVRATIL, M.S., *Assistant Professor of Home Economics, State Supervisor of Home Economics, and Resident Teacher Trainer of Home Economics*
B.S.(Ed.), M.S., Iowa State College. 1935.

JOSEPH NEWTON, M.S.(MET.), *Assistant Professor of Metallurgy*
B.S.(Met.E.), Montana School of Mines; M.S.(Met.), University of Idaho. 1930.

JOHN RALPH NICHOLS. PH.D., *Executive Dean of the Southern Branch* (Pocatello)
B.S., Oregon Agricultural College; M.A.(Ed.), Ph.D., Stanford University. 1934.

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.

LEWIS SHEPPARD NORMAN, Captain, Infantry, U.S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, Infantry School; LL.B., Chattanooga College of Law. 1935.

ELLA LETITIA OLESEN, *Registrar*
University of Idaho. 1915.

HARRY SUTPHIN OWENS, PH.D., *Assistant Professor of Chemistry*
B.S.(Chem.E.), University of Idaho; Ph.D., Columbia University. 1935.

FLOYD LYMAN PACKER, *Chief Accountant and Purchasing Agent*
University of Idaho. 1927.

WALTER HOWARD PIERCE, PH.D., *Associate Plant Pathologist, Agricultural Experiment Station*
B.S.(Agr.), (M.S.(Agr.), University of Idaho; Ph.D., University of Wisconsin. 1926.

*WILLIAM HENRY PITTMAN, 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.

GEORGE CLEMENT HALLAM, *Carpenter.* 1908.

JAMES BURBANK REED, PH.D., *Assistant Professor of Chemistry*
B.S.(Chem.), Massachusetts State College; M.S., Ph.D., University of Illinois. 1935.

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.

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.

MICHAEL JAMES RYAN, Graduate of Physical Therapy School—Bellevieu Hospital, New York, *Associate Professor of Physical Education, Trainer and Head Track Coach*
Colby College. 1935.

*MARGARETE LOUISE SARGENT, M.A., *Professor of Modern Languages*
M.A., Columbia University. 1920.

WILLIAM SCHROEDER, E.E., *Assistant Professor of Mechanical Engineering*
B.S.(E.E.), E.E., University of Idaho. 1929.

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*On leave, 1935-36.

*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.

WESLEY EARL SHULL, PH.D., *Assistant Professor of Entomology; and Associate Entomologist, Agricultural Experiment Station and Extension Division*
B.S., Iowa State College; M.S., University of Idaho; Ph.D., Iowa State College. 1926.

WALTER WAYNE SMITH, M.S.(ED.), LL.D., *Associate Professor of Secondary Education, and Director of Practice Teaching*
A.B., California Christian College; M.S.(Ed.), University of Idaho; LL.D., College of Puget Sound. 1928.

ROBERT SHIRLEY SNYDER, M.S.(AGR.), *Associate Professor of Agricultural Chemistry; and Associate 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*
B.S.(Min.Engr.), 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.

CHARLES FEARN SUTHERLAND, Major, Infantry, U.S. Army, *Assistant Professor of Military Science and Tactics*
B.S., Mississippi State College; Graduate, Infantry School, Fort Benning, Georgia. 1935.

MARY BELLE SWEET, B.L.S., *Librarian*
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.

ROBERT ANDREW TESSIER, B.E.(PHYS.ED.), *Assistant Professor of Physical Education, Assistant Football Coach*
B.E.(Phys.Ed.), Tulane University. 1935.

DONALD RICHARD THEOPHILUS, PH.D., *Professor of Dairy Husbandry; and Dairy Husbandman, Agricultural Experiment Station*
B.S.(An.Hus.), B.S.(Dairy Mfg.), M.S.(Dairy Bact.), Ph.D., 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.

LEIF VERNER, PH.D., *Professor of Horticulture; and Horticulturist, Agricultural Experiment Station*
B.S., M.S., Pennsylvania State College; Ph.D., Johns Hopkins University. 1927.

EDGAR WILLIAM VOELKER, A.M., *Assistant Professor of Sociology*
A.B., A.M., University of Michigan. 1934.

*HAROLD AARON VOGEL, M.S., *Associate Professor of Business Administration; Associate Professor of Agricultural Economics; and Assistant Agricultural Economist, Agricultural Experiment Station*
B.B.A., M.S., University of Minnesota. 1931.

CLAUDE WAKELAND, PH.D., *Professor of Entomology; and Entomologist, Agricultural Experiment Station*
B.S.(Agr.), M.S., Colorado Agricultural College; Ph.D., Ohio State University. 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.

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*On leave, 1934-36.

ROBERT REYNOLDS WILLARD, LL.B., *Visiting Assistant Professor of Law*
A.B., University of Washington; LL.B., University of California. 1935.

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.

GEORGE WALLIS WOODBURY, M.S., *Associate Professor of Horticulture; and Assistant Horticulturist, Agricultural Experiment Station*
B.S., M.S., Michigan State College. 1935.

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.

INSTRUCTORS AND ASSISTANTS IN INSTRUCTION

VADA HAZEL ALLEN, M.S., *Instructor in Botany*
B.S., M.S., University of Idaho. 1931.

WOODROW EMERSON ARRINGTON, B.S.(M.E.), *Graduate Assistant Department of Agricultural Engineering*
B.S.(M.E.), University of Idaho. 1935.

JACOB OSBORN ASHCRAFT, B.S.(CHEM.E.), *Assistant in Chemistry*
B.S.(Chem.E.), University of Idaho. 1935.

LOUIS VITUS AUGUST, *Instructor in Physical Education, Boxing Coach*
University of Idaho. 1933.

WILLIAM CARR BANKS, M.A., *Instructor in English*
A.B., M.A., University of Washington. 1927.

FRANK L. BARNUM, Sergeant, U.S. Army, *Assistant in Military Science and Tactics.* 1926.

JOHN ASAHEL BECKWITH, M.A., *Instructor in English*
B.A., Gooding College; M.A., University of Idaho. 1928.

*HARALD BERGERSON, B.A., *Instructor in Political Science*
B.A., College of Puget Sound. 1936.

FRED CLAYSON BLANCHARD, A.M., *Instructor in Dramatics*
A.B., A.M., University of Washington; M.S.(Ed.), University of Idaho. 1930.

DONALD WILLIAM BOLIN, M.S.(AGR.), *Assistant Agricultural Chemist, Agricultural Experiment Station*
B.S.(Agr.), University of Wisconsin; M.S.(Agr.), University of Idaho. 1929.

WILLIAM HAROLD BOYER, M.S., *Instructor in Psychology*
B.S., M.S., University of Idaho. 1930.

THOMAS J. BRINDLEY, PH.D., *Assistant Entomologist, U.S.D.A., Agricultural Experiment Station*
B.S., M.S., Ph.D., Iowa State College. 1931.

LEAH TUTTLE BUCHANAN, B.S., *Instructor in Home Nursing*
R.N., Good Samaritan Hospital, Portland; B.S., University of Idaho. 1930.

HAMER HAROLD BUDGE, A.B., *Assistant in Business Law*
A.B., Stanford University. 1935.

WILLIAM HERSCHELL BUNCH, M.A., *Instructor in Mathematics*
B.A., Walla Walla College; B.A., Pacific University; M.A., University of Oregon. 1927.

MERRILL JACOB BUSCHLEN, B.S., *Field Superintendent, Department of Agronomy*
B.S., University of Michigan. 1935.

GEORGE ROBERT CERVENY, M.A., *Instructor in English*
B.S.(Ed.), M.A., University of Idaho. 1935.

**LAWRENCE HENRY CHAMBERLAIN, M.A., *Instructor in Political Science*
B.S.(Ed.), M.A., University of Idaho. 1931.

ELSIE JEAN COLLETTE, M.A., *Instructor in English*
B.A., M.A., University of Idaho. 1933.

JAMES AVAS COOLEY, PH.D., *Instructor in Mathematics*
A.B., A.M., Indiana University; Ph.D., University of Illinois. 1935.

DOUGLAS BARTON CRUIKSHANK, *Instructor in Physical Education, Fencing Coach*
B.S.(E.E.), University of Idaho. 1935.

MURIEL LEYRER CRUIKSHANK, B.A., *Fellow in Philosophy*
B.A., University of Idaho. 1935.

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*Appointed Feb. 1, 1936.
**On leave, 1935-36.

DUANE HUBER DALY, M.S., *Instructor in Bacteriology*
B.S.(Agr.), Kansas State Agricultural College; M.S., University of Idaho. 1933.

ARTHUR JEROME DAVIDSON, M.S.(C.E.), *Instructor in Civil Engineering*
B.S.(C.E.), M.S.(C.E.), University of Idaho. 1933.

*DORIS ANN DRAY, B.A., *Instructor in Physical Education for Women*
B.A., Mills College. 1936.

JOHN NICHOLAS FAICK, B.S.(GEOL.), *Teaching Fellow in Geology*
B.S.(Geol.), University of Washington. 1935.

MARION FEATHERSTONE, M.A., *Instructor in Home Economics*
B.S.(Ed.), University of Idaho; M.A., University of Southern California. 1931.

DONALD LESLIE FERNHOLZ, PH.D., *Instructor in Botany*
B.A., Milton College; M.A., University of Wisconsin; Ph.D., Ohio State University. 1935.

VELMA GILDEMEISTER, M.M., *Instructor in Music*
B.M., M.M., Chicago Musical College. 1935.

ROBERT FULTON GREENE, B.S.(ED.), *Proctor of Men*
B.S.(Ed.), University of Idaho. 1931.

ROWLAND WELLS HAEGELE, M.S., *Assistant Entomologist, Agricultural Experiment Station* (Parma)
A.B., Stanford University; M.S., University of Idaho. 1925.

STANLEY ROWLAND HALL, B.S.(M.E.), *Assistant in Civil Engineering*
B.S.(M.E.), University of Idaho. 1935.

ROBERT BLUM HALLER, B.S.(CHEM.E.), *Assistant in Chemistry*
B.S.(Chem.E.), University of Idaho. 1935.

VERAL FRANKLIN HAMMERAND, B.S.(GEOL.), *Teaching Fellow in Geology*
B.S.(Geol.), University of Idaho. 1934.

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. 1925-34, 1935.

FORREST ROBERT HAUCK, B.S.(ED.), *Fellow in Zoology*
B.S.(Ed.), University of Idaho. 1935.

LEONARD HELLAND, M.S.(M.E.), *Assistant in Physics*
B.S.(M.E.), M.S.(M.E.), University of Idaho. 1921.

KENNETH HOAG, M.A., *Instructor in English*
A.B., M.A., University of Michigan. 1935.

GEORGE ELMER HORTON, B.S.(E.E.), *Graduate Manager of Student Activities*
B.S.(E.E.), University of Idaho. 1923.

ELMER NEWTON HUMPHREY, *Instructor in Agricultural Engineering and Motor Mechanics*
University of Idaho. 1927.

ALLEN SHEELEY JANSSEN, B.S.(C.E.), *Instructor in Civil Engineering*
B.S.(Arch.), B.S.(C.E.), University of Idaho. 1931.

REUBEN FREDERIC JOHNSON, B.S.(AGR.), *Assistant Animal Husbandman; Assistant in Feeding Investigations, Agricultural Experiment Station; and Superintendent, Caldwell Substation*
B.S.(Agr.), University of Idaho. 1929.

WAYNE WHITE JOHNSON, B.S.(CHEM.E.), *Assistant in Chemistry*
B.S.(Chem.E.), University of Idaho. 1935.

ALEXANDER JOSS, M.S., *Instructor in Agricultural Economics and Research Assistant*
B.S., Washington State College; M.S., Cornell University. 1935.

MARY BURNETTE KIRKWOOD, M.F.A., *Instructor in Art and Architecture*
B.A., University of Montana; M.F.A., University of Chicago. 1930.

ARTHUR FOLK LADD, B.S.(ED.), *Fellow in Physics*
B.S.(Ed.), University of Idaho. 1935.

PAULINE LAMAR, M.A., *Instructor in English*
B.S., Oregon State College; M.A., University of Idaho. 1929.

LESLIE LUNDGREN LARSON, B.S., *Fellow in Forestry*
B.S., University of Idaho. 1934.

EARL GEORGE LEATHAM, *Instructor in Physical Education, Wrestling Coach*
University of Idaho. 1935.

MIRIAM HARRIET LITTLE, B.M., B.F.A., *Instructor in Music*
B.M., B.F.A., University of Nebraska. 1930.

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*Appointed for second semester only, 1935-36.

*MABEL LOCKE, B.S., *Instructor in Physical Education for Women*
B.S., Northwestern University. 1930.

ELBERT MONROE LONG, M.S., *Instructor in Botany*
B.S., M.S., University of Idaho. 1935.

ROBERT EDWARD LOWNEY, M.A., *Instructor in Mathematics*
A.B., Intermountain Union College; M.A., Michigan State College. 1934.

RAYNARD VICTOR LUNDQUIST, B.S.(CHEM.E.), *Instructor in Fire Assaying*
B.S.(Chem.E.), University of Idaho. 1928.

JOSEPH LEPAGE MCCARTHY, B.S.(CHEM.E.), *Fellow in Forestry*
B.S.(Chem.E.), University of Washington. 1934.

LYMAN WINN MADSEN, B.S.(C.E.), *Assistant in Civil Engineering*
B.S.(C.E.), University of Idaho. 1935.

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 Architecture*
B.Arch., University of Minnesota. 1929.

DONALD ELBERT MILLER, PH.D., *Instructor in Zoology*
A.B., Thiel College; M.S., Ph.D., University of Michigan. 1935.

**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 CLOUD MOORE, B.S.(BUS.), *Instructor in Economics*
B.S.(Bus.), University of Idaho. 1930.

ELLEN MARGARET MYLNE, B.A., *Instructor in Physical Education for Women*
B.A., University of Oregon. 1935.

HOWARD EMERSON PACKENHAM, M.A., *Instructor in English*
B.A., College of Idaho; M.A., University of Idaho. 1931.

ALFRED HARLAN PADDOCK, B.E.(PHYS.ED.), *Instructor in Physical Education, Assistant Football and Basketball Coach*
B.E.(Phys.Ed.), Tulane University. 1935.

MICHAEL HENRY PEECH, PH.D., *Assistant Agricultural Chemist, Agricultural Experiment Station*
B.Sc.(Agr.), University of Saskatchewan; Ph.D., Ohio State University. 1934.

MAURINE LAURA PETERSON, B.S.(PRE-NURS.), *Fellow in Zoology*
B.S.(Pre-Nurs.), University of Idaho. 1934.

†JOSEPH WILLIAM ROBINSON, M.A., *Instructor in Political Science*
A.B., M.A., Stanford University. 1935.

ARTHUR LINCOLN SCHADE, B.S., *Assistant in Plant Pathology*
B.S., Harvard University. 1935.

VERNON EDWARD SCHEID, A.B.(GEOL.), *Instructor in Geology*
A.B.(Geol.), Johns Hopkins University. 1934.

WILBUR SCHROEDER, *Fellow in the Department of Agronomy.* 1935.

LESTER LORENZ SCHULDT, M.A., *Instructor in English*
B.A., University of Minnesota; M.A., University of Idaho. 1927.

ALFRED O. SHAW, PH.D., *Instructor in Dairy Husbandry; and Assistant Dairy Husbandman, Agricultural Experiment Station*
B.S., M.S., University of Idaho; Ph.D., Pennsylvania State College. 1935.

THEODORE ALLISON SHERMAN, M.A., *Instructor in English*
A.B., Stanford University; M.A., University of Idaho. 1931.

HORACE JENNINGS SHIPMAN, B.S.(AGR.), *Research Fellow in Entomology, Agricultural Experiment Station*
B.S.(Agr.), University of Idaho. 1934.

**CLARENCE HERMAN SCHOWALTER, A.E., *Instructor in Mechanical Engineering*
B.S.(M.E.), University of Wisconsin; A.E., New York University. 1934.

HERMAN WALTER STEFFENS, M.S., *Instructor in Zoology*
B.S.(Pre-Med.), M.S., University of Idaho. 1931.

DOROTHY VELMA STURGEON, B.S.(ED.), *Fellow in Education*
B.S.(Ed.), University of Idaho. 1935.

††THOMAS IVAN TAYLOR, M.S.(CHEM.E.), *Assistant in Chemistry*
B.S.(Chem.E.), M.S.(Chem.E.), University of Idaho. 1931.

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*On leave second semester, 1935-36.
**Resigned, March 1936.
†Resigned, January 1936.
††On leave, 1935-36.

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.

ADRIAN CRACROFT THRUPP, B.Sc.F., *Fellow in Forest Management*
B.Sc.F., University of Toronto. 1935.

JOHN LAU TORGESEN, B.S.(CHEM.E.), *Assistant in Chemistry*
B.S.(Chem.E.), University of Idaho. 1935.

LOWELL RAY TUCKER, M.S.(HORT.), *Assistant Horticulturist, Agricultural Experiment Station* (Parma)
B.S.(Agr.), University of Illinois; M.S.(Hort.), University of New Hampshire. 1930.

OTTO TURINSKY, JR., B.S.(CHEM.E.), *Instructor in Chemistry*
B.S.(Chem.E.), University of Idaho. 1929.

CHARLES FRANKLIN VIRTUE, PH.D., *Instructor in Philosophy*
B.A., University of Cincinnati; Ph. D., Yale University. 1935.

OMER LEO WATSON, B.S.(AGR.), *Research Fellow in Agricultural Engineering*
B.S.(Agr.), North Dakota Agricultural College. 1933.

HELEN M. WELDON, B.A., *Teaching Fellow in Business Administration*
B.A., State College of Washington. 1935.

ALBERT EDWARD WHITEHEAD, M.A., *Instructor in Public Speaking*
B.A., University of Colorado; M.A., University of Wisconsin. 1930.

ABRAM GERHARD WIENS, PH.D., *Instructor in Modern Languages*
A.B., Bluffton College; M.A., Ph.D., Ohio State University. 1935.

JAMES KENNETH WILLIAMS, B.S.(AGR.), *Assistant Poultry Husbandman, Agricultural Experiment Station*
B.S.(Agr.), Texas A. & M. College. 1931.

HENRY LOVEJOY WILSON, PH.D., *Instructor in English*
B.A., Ph.D., University of Idaho; M.A., University of Colorado. 1935.

CLINTON HENRY WISWALL, B.S.(AGR.), *Critic Teacher in Vocational Agriculture*
B.S.(Agr.), University of Idaho. 1934.

LONIE WOODS, 1st Sergeant, U.S. Army, *Assistant in Military Science and Tactics* 1921.

CLAIR LYNNETTE WORLEY, B.S., *Fellow in Botany*
B.S., Hiram College. 1934.

*CAROL OSCAR YOUNGSTROM, M.S., *Associate Agricultural Economist, Agricultural Experiment Station*
B.S., Oregon State College; M.S., Kansas State College. 1929.

ASSISTANTS IN ADMINISTRATION AND SERVICE

LILLIAN ELLEN BAIR, *Secretary* to Graduate Manager. 1931.

AMALIE BARING, *Cashier*, Office of Bursar. 1924.

SIDNEY CHESLEY BATES, *Chief Engineer*, Heating System. 1910.

ELEANOR RUTH BERGLUND, B.S.(ED.), *Secretary*, Department of Dairy Husbandry
B.S.(Ed.), University of Idaho. 1934.

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.

NELLIE BUE, *Assistant Accountant*, Office of Bursar. 1929.

ISA ADAMSON BURKE, *Clerk*, Office of Registrar
University of Idaho. 1934.

LYDIA BUE CARLSON, *Statistics Clerk*, Office of Registrar
University of Idaho. 1927.

MILDRED REGINA CARLSON, B.S.(BUS.), *Clerk*, Office of Bursar
B.S.(Bus.), University of Idaho. 1932.

JEAN COLLINS, *Secretary* to Dean of the Graduate School
University of Idaho Southern Branch. 1934.

DOROTHY MCCAULEY COX, B.S.(ED.), *Clerk*, Office of Bursar
B.S.(Ed.), University of Idaho. 1931.

GERTRUDE EVANS CROMWELL, *Secretary* to Dean of Women
University of Idaho. 1932.

**CHARLES DAGMAN, *Machinist*, 1931.
*On leave, Dec. 10, 1935, to June 10, 1936.
**Died, January 11, 1936.

KENNETH ANDREW DICK, B.S.(BUS.), *Assistant Chief Accountant*, Office of Bursar
B.S.(Bus.), University of Idaho. 1931.

MATTHEW DIETHELM, *Painter*. 1930.

WILLIAM J. FLORENCE, *Beef Cattle Herdsman*. 1928.

CHARLES EDGAR GABBY, *Dairy Cattle Husbandman*
University of Idaho. 1921.

RAPHAEL SANFORD GIBBS, B.A., *A.S.U.I. Publicity Agent*
B.A., University of Idaho. 1934.

ELIZABETH GINDER, *Stenographer*, College of Agriculture. 1935.

LAVINIA ADELINE GROSS, *Stenographer*, College of Agriculture. 1925.

CECIL HAGEN, B.A., *Assistant* in Department of Publications
B.A., University of Idaho. 1930.

RHODA HOBSON, *Head of Stenographic Bureau*. 1911.

MARTHA KILIMANN HOWARD, *Clerk*, Office of Bursar. 1934.

RUTH LUECK INGEBRITSEN, B.A., *Credential Clerk*, Office of Registrar
B.A., University of Wisconsin. 1930.

ANNA JOHNSON, R.N., *Nurse*, Infirmary
R.N.,Deaconess Hospital, Spokane. 1935.

AUDELLA JOHNSON, *Secretary* to Dean of the College of Agriculture
University of Idaho. 1929-32, 1933.

ESTHER CECELIA JOHNSON, *Secretary* to Dean of the School of Forestry. 1935.

JAMES WILLARD KALBUS, B.S.(BUS.), *Assistant Accountant*, Office of Bursar
B.S.(Bus.), University of Idaho. 1934.

RALPH KENNEDY, *Electrician*
University of Idaho. 1920.

CLARENCE EDWIN MITCHELL, *Storekeeper*. 1930.

MABEL GEORGENE NYE, *Secretary* to the President. 1935.

MELBA BLOUGH OGG, R.N., *Nurse*, Infirmary
R.N., Deaconess Hospital, Spokane. 1927.

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.

MYRTLE IRENE RACH, B.S.(ED.), *Secretary and Assistant* to the Registrar
B.S.(Ed.), University of Idaho. 1930.

MARY LARENE RICHARDS, B.S.(ED.), *Secretary* to Director of Placement Service
B.S.(Ed.), University of Idaho. 1934.

ELMER ROTH, *Assistant Engineer*, Physical Plant. 1929.

INEZ TRACY ROULSTON, *Secretary*, School of Mines. 1926.

EARL SAWYER, *Herdsman*. 1927.

LENA SHOUP, *House Mother*, Hays Hall. 1927.

WILMA MCKAY SILVER, *Secretary* to Superintendent of Buildings and Grounds
1931.

AUGUST GOTTFRED SKOG, *Head Janitor*. 1909.

VIVIAN STEPHENS, *Stenographer*, Office of the President. 1935.

GEORGIA EMMA THOMAS, M.S.(ED.), *Secretary* to Home Demonstration Leader
B.S.(Ed.), M.S.(Ed.), University of Idaho. 1933.

HELEN MARGARET THORNHILL, B.S.(ED.), *Secretary* to Dean of College of Letters and Science
B.S.(Ed.), University of Idaho. 1935.

LUCIE THROCKMORTON, *Secretary* to County Agent Leader
University of Idaho. 1918.

GEORGE TOMER, *Foreman*, University Farm. 1922.

MARGARET KING TROUT, B.S.(ED.), *Recording Clerk*, Office of Registrar
B.S.(Ed.), University of Idaho. 1931.

OTTO TURINSKY, SR., *Head Gardener*. 1929.

GEORGE VAN, *Foreman*, Poultry Farm. 1921.

NINA LOUISE VARIAN, *Secretary* to Dean of College of Engineering
University of Idaho. 1935.

WADE WELLS, *Swine Herdsman*
University of Idaho. 1934.

MARION M. WHITE, B.S.(H.EC.), Cafeteria Director, Hays and Forney Halls
B.S.(H.Ec.), University of Idaho. 1935.

LIBRARY ASSISTANTS

AGNES CHRISTINA 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.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.

ELIZABETH NYE, B.S.(L.S.), *Catalog Assistant*
B.S.(L.S.), University of Washington. 1932.

*MARGARET RUTH MACDONALD, B.S.(L.S.), *Cataloguer*
B.S.(L.S.), University of Washington. 1934.

JOSEPHINE LYNCH, B.S.(L.S.), *Reserve Assistant*
B.A., B.S.(L.S.), University of Washington. 1934.

**VICTORIA SIEGFRIED, B.L.S., *Cataloguer*
A.B., Leland Stanford Junior University; B.L.S., University of California. 1936.

OFFICERS OF EXTENSION DIVISION

(Agriculture and Home Economics)

EDWARD JOHN IDDINGS, M.S., *Dean of the College of Agriculture, and Director of Extension Division*
B.S.(Agr.), M.S., Colorado Agricultural College. 1910.

AUDELLA JOHNSON, *Secretary* to the Director. 1929.

Field Staff

JESSIE CAMERON AYERS, A.B., *State Seed Analyst* — Noble Bldg., Boise
A.B., University of Washington. 1919.

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.

†STANLEY CAIPHUS CLARKE, M.S.(FOR.), *Extension Forester* — Moscow
Ph.C., University of Illinois; B.S.(For.), M.S.(For.), University of Idaho. 1931.

MARJORIE EASTMAN, M.A., *Clothing Specialist* — State House, Boise
B.S., Simmons College; M.A., Columbia University. 1926.

MARION MARTHA HEPWORTH, B.S.(H.Ec.), *State Home Demonstration Leader and Nutrition Specialist* — Moscow
B.S.(H.Ec.), Kansas State College. 1924.

KARL VICTOR HOBSON, B.S.(AGR.), *Assistant Agricultural Economist*
B.S.(Agr.), University of Idaho. 1935. — State House, Boise

HAROLD WILLIAM E. LARSON, PH.D., *Extension Specialist in Soils*
B.S., M.S., Oregon State College; Ph.D., University of Wisconsin. 1935.

IVAN H. LOUGHARY, M.S.(AGR.), *Extension Dairyman* — State House, Boise
B.S.(Agr.), M.S.(Agr.), Oregon State College. 1935.

PREN MOORE, *Poultry Specialist* — State House, Boise
University of Idaho. 1919.

THOMAS B. MURRAY, *Rodent Control Leader.* — State House, Boise
1928.

†KENNETH BATDORF PLATT, M.S., *Assistant in Extension Division*
B.A., University of Montana; M.S.(For.), University of Idaho. 1936.

*KENNETH BATDORFF PLATT, M.S., *Assistant in Extension Division*
B.S., University of Idaho; M.S., University of Minnesota. 1935.

JOHN HENRY REARDEN, B.S., *State County Agent Leader, and State Club Leader* — Moscow
B.S., Oregon State College. 1920.

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*Resigned, January 1, 1936.
**Appointed, February 1936.
†Resigned, January 1936.

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.

HARRY LOWE SPENCE, JR., B.S., *Extension Agronomist and State Seed Commissioner*
B.S., University of Idaho. 1931.

CLAUDE WAKELAND, PH.D., *Extension Entomologist* Moscow
B.S.(Agr.), M.S., Colorado Agricultural College; Ph.D., Ohio State University. 1920.

County Agents

REUBEN F. BAUER, B.S.(AGR.), *County Extension Agent,* Benewah County
B.S.(Agr.), University of Idaho. 1936. St. Maries

DELBERT T. BOLINGBROKE, B.S.(AGR.), *County Extension Agent,* Madison County
B.S.(Agr.), Utah Agricultural College. 1926. Rexburg

GEORGE WILLIAM CLEVELAND, B.S.(AGR.), *County Extension Agent,* Caribou County
B.S.(Agr.), Utah Agricultural College. 1934. Soda Springs

CHARLES WARREN DAIGH, B.S., *County Extension Agent,* Minidoka County
B.S., Oregon State College. 1930. Rupert

ALMA EARL DUKE, B.S.(AGR.), *Extension Agent,* Bannock County Pocatello
B.S.(Agr.), University of Idaho. 1931.

HARRY STEWART GAULT, B.S.(AGR.), *County Extension Agent,* Lincoln County
B.S.(Agr.), University of Idaho. 1935. Shoshone

PETER RUSSELL GLADHART, B.S.(AGR.), *County Extension Agent,* Bear Lake County
B.S.(Agr.), University of Idaho. 1934.

HARVEY S. HALE, B.S.(AGR.), *County Extension Agent,* Twin Falls County
B.S.(Agr.), Oregon State College. 1930. Twin Falls

ROBERT NEIL IRVING, B.S.(AGR.), *County Extension Agent,* Kootenai County
B.S.(Agr.), B.S.(Ed.), University of Idaho. 1922. Coeur d'Alene

PETER MARTIN JESNESS, B.S.(AGR.), *County Extension Agent,* Elmore County
B.S.(Agr.), University of Minnesota. 1918. Mountain Home

GEORGE W. JOHNSON, B.S.(AGR.), *County Extension Agent,* Clearwater County
B.S.(Agr.), University of Idaho. 1936. Orofino

CHASE KEARL, B.S.(AGR.), *County Extension Agent,* Franklin County Preston
B.S.(Agr.), Utah Agricultural College. 1921.

BUFORD ELMER KUHNS, B.S.(AGR.), *County Extension Agent,* Gem County
B.S.(Agr.), University of Idaho. 1927. Emmett

GUY THEODORE MACALEXANDER, B.S.(AGR.), *County Extension Agent,* Latah County
B.S.(Agr.), Colorado Agricultural College. 1930. Moscow

CHESTER L. MINK, B.S.(AGR.), *County Extension Agent,* Gooding County
B.S.(Agr.), University of Idaho. 1935. Gooding

WILLIAM WENDELL PALMER, B.S.(AGR.), *County Extension Agent,* Cassia County
B.S.(Agr.), University of Idaho. 1927. Burley

CHASE WASHINGTON RANEY, B.S.(AGR.), *County Extension Agent,* Lewis County
B.S.(Agr.), University of Idaho. 1934. Nezperce

WILLIAM EBER RAWLINGS, B.S.(AGR.), *County Extension Agent,* Idaho County
B.S.(Agr.), Purdue University. 1931. Grangeville

JOHN ROLAND ROBERTSON, B.S.(AGR.), *County Extension Agent,* Power County
B.S.(Agr.), University of Idaho. 1930. American Falls

IRVIN W. SLATER, B.S.(AGR.), *County Extension Agent,* Fremont County
B.S.(Agr.), University of Idaho. 1934. St. Anthony

DELMER EYRE SMITH, B.S.(AGR.), *County Extension Agent,* Jerome County
B.S.(Agr.), Utah Agricultural College. 1927. Jerome

LEON B. TAYLOR, B.S.(AGR.), *County Extension Agent,* Washington County
B.S.(Agr.), University of Idaho. 1921. Weiser

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. 1921.

MERLE L. TILLERY, B.S.(AGR.), *County Extension Agent,* Bingham County
B.S.(Agr.), Colorado Agricultural College. 1925. Blackfoot

CECIL ROOSEVELT TULLEY, B.S.(AGR.), *County Extension Agent,* Bonneville County
B.S.(Agr.), University of Idaho. 1932. Idaho Falls

DANIEL EMERSON WARREN, B.S.(AGR.), *County Extension Agent*, Oneida County
B.S.(Agr.), University of Idaho. 1929. Malad

EUGENE WINFIELD WHITMAN, M.S.(AGR.), *County Extension Agent*, Teton County
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1929. Driggs

LEWIS M. WILLIAMS, B.S.(AGR.), *County Extension Agent*, Jefferson County
B.S.(Agr.), University of Idaho. 1934. Rigby

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*, Northeastern District Idaho Falls
B.S.(H.Ec.), Utah Agricultural College. 1929.

HILDA FREDERICK, M.A.(H.Ec.), *District Home Demonstration Agent*, Southeastern District Pocatello
B.S.(H.Ec.), Utah State College; M.A.(H.Ec.), University of California. 1935.

FRANCES GALLATIN, B.S.(H.Ec.), *District Home Demonstration Agent*, Southwestern District Boise
B.S.(H.Ec.), Oregon State College. 1935.

FERN EVELYN SPENCER, B.S.(H.Ec.), *District Home Demonstration Agent*, Northern District Moscow
B.S.(H.Ec.), University of Idaho. 1934.

District Extension and Club Agents

GEORGE CLARENCE ANDERSON, M.S.(AGR.), *District Extension Agent* Boise
B.S.(Agr.), Kansas State College; M.S.(Agr.), University of Idaho. 1922.

JAMES WARREN BARBER, M.S.(AGR.ECON.), *District Extension Agent* Pocatello
B.S.(Agr.), M.S.(Agr.Econ.), University of Idaho. 1921.

*HERMAN GEORGE HILFIKER, B.S.(AGR.), *County Club Agent* Bannock County
B.S.(Agr.), University of Idaho. 1936.

EARL RAYMON STANSELL, M.S.(AGR.), *District Club Agent* Burley
B.S.(Agr.), M.S.(Agr.), University of Idaho. 1934.

WILLIAM LOUIS STEPHENS, B.S.(AGR.), *District Extension Agent* Moscow
B.S.(Agr.), University of Idaho. 1926.

Superintendents of Experiment Substations

JOHN LEONARD TOEVS, B.S.(AGR.) Aberdeen
B.S.(Agr.), University of Idaho. 1931.

REUBEN FREDERIC JOHNSON, B.S.(AGR.) Caldwell
B.S.(Agr.), University of Idaho. 1929.

RALPH E. KNIGHT, B.S.(AGR.) Sandpoint
B.S.(Agr.), University of Idaho. 1935.

WILLIAM ALFRED MOSS, B.S.(AGR.) Tetonia
B.S.(Agr.), Kansas State College. 1918.

RESEARCH STAFF

Idaho Bureau of Mines and Geology

ARTHUR WILLIAM FAHRENWALD, E.M., MET.E., *Director and Secretary* Board of Control
B.S.(Met.E.), 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.

WILLIAM WESLEY STALEY, M.S.(MET.), *Mining Engineer*
B.S.(Min.E.), E.M., New Mexico School of Mines; M.S.(Met.), University of Idaho. 1928.

JOSEPH NEWTON, M.S.(MET.), *Assistant Metallurgist*
B.S.(Met.E.), Montana School of Mines; M.S.(Met.), University of Idaho. 1930.

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*Appointed, February 1936.

VERNON EDWARD SCHEID, A.B.(GEOL.), *Field Assistant in Geology*
A.B.(Geol.), Johns Hopkins University. 1934.

RAYNARD VICTOR LUNDQUIST, B.S.(CHEM.E.), *Chemist*
B.S.(Chem.E.), University of Idaho. 1928.

VERAL FRANKLIN HAMMERAND, B.S.(GEOL.), *Field and Laboratory Assistant in Geology*
B.S.(Geol.), University of Idaho. 1934.

JOHN NICHOLAS FAICK, B.S.(GEOL.), *Field and Laboratory Assistant in Geology*
B.S.(Geol.), University of Washington. 1935.

EARL THOMAS HAYES, B.S.(MET.ENG.), *Research Fellow in Metallurgy*
B.S.(Met.Eng.), University of Idaho. 1935.

PATRICK LAWRENCE MCMANUS, B.S.(MIN.), *Research Fellow in Metallurgy*
B.S.(Min.), University of Kansas. 1935.

DONALD INGVOLDSTAD, B.S.(MET.ENG.), U.S. Bureau of Mines *Research Fellow in Metallurgy*
B.S.(Met.Eng.), University of Minnesota. 1935.

FORESTRY EXTENSION

U.S.D.A. Bureau of Entomology and Plant Quarantine

(In cooperation with the School of Forestry)

Division of Blister Rust Control

RENE PAUL D'URBAL, B.A., *Assistant Chemist, U.S.D.A.*, (Student in the Chemical Eradication of Ribes.)
B.A., Gonzaga University. 1927.

U.S.D.A. Bureau of Plant Industry

(In cooperation with the School of Forestry)

*ROYALE KING PIERSON, M.S.(FOR.), *Assistant Pathologist, U.S.D.A.*, (Blister Rust Infection Studies.)
B.A., University of Montana; M.S.(For.), University of Idaho. 1932.

STANDING COMMITTEES OF THE FACULTY

ACADEMIC COUNCIL:
President Neale, Chairman; Dean Eldridge, Vice-Chairman; Deans Crawford, Fahrenwald, Farmer, French, Howard, Hungerford, Iddings, Jeffers, Kerr, Kostalek, Messenger; General Chrisman; Professors Jensen, Johnson, Jones, McCoy, Taylor; Miss Olesen.

ADMINISTRATIVE COUNCIL FOR THE JUNIOR COLLEGE:
Dean Kerr, Chairman; Deans Eldridge, Farmer, Kostalek, Messenger; Professors Chenoweth, Taylor.

ADMISSIONS AND ADVANCED CREDITS:
Professor Axtell, Chairman; Professors Barton, Gail, Taylor; Miss Olesen.

AFFILIATION WITH STATE TEACHERS' ASSOCIATION:
Professor Smith, Chairman; Professors Snyder, DuSault, Buchanan.

REPRESENTATIVE ON A.S.U.I. BOARD:
Dean Kerr.

REPRESENTATIVE IN ATHLETIC CONFERENCE:
Dean Crawford.

ATHLETICS, INTERCOLLEGIATE:
Dean Crawford, Chairman; Dean Fahrenwald; Professors Axtell, Bank, Hulbert, Rearden.

BUILDINGS AND GROUNDS:
Mr. Lind, Chairman; Dean Crawford; Professor Beresford.

CALENDAR:
Professor Church, Chairman; Dean French; Professor Snyder; Mr. Horton; Mr. Greene; A.S.U.I. representative.

DISCIPLINE:
Professor Hickman, Chairman; Professors Taylor, Johnson, Buchanan; Student Representatives, Russell Honsowetz, Bert Larson.

EMPLOYMENT OF GRADUATE STUDENTS:
Dean Hungerford, Chairman; Dean Messenger; Professor Cady.

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*Appointed Extension Forester, February 1936.

FACULTY LOAN FUND COMMITTEE OF 1932:
Professor Taylor, Chairman; Professors Buchanan, DuSault.

GRADUATE COUNCIL:
Dean Hungerford, Chairman; Deans Fahrenwald, Farmer, Messenger; Professors Johnson, Jahn, Miller; Miss Olesen.

HEALTH AND HOUSING:
Professor Halversen, Chairman; Dean French; Professors Bank, Lewis, Stough, Wirt; Doctors Armstrong, Einhouse; Miss Peterson.

LIBRARY:
Miss Sweet, Chairman; Dean Farmer; Professors Church, Johnson, Howe, Nordby, Taylor.

LOAN FUNDS:
Mr. Stanton, Chairman; Professors Taylor, Tromanhauser.

MEN'S WORK COMMITTEE:
Dean Kerr, Chairman; Professors Buchanan, Cady.

NON-RESIDENT STATUS OF STUDENTS:
Dean Howard, Chairman; Dean Kerr; Professor Harding.

PROMOTION OF SCHOLARSHIP:
Professor Taylor, Chairman; Dean Hungerford; Professors Graue, Johnson, Tromanhauser.

PUBLIC EVENTS:
Dean Kerr, Chairman; Deans Hungerford, Jeffers, Messenger; Professor Miller.

REGISTRATION AND SCHEDULE:
Miss Olesen, Chairman; Deans Farmer, Howard, Kostalek, Messenger; Professors Axtell, Buchanan, DuSault, Staley; Mr. Stanton.

RESIDENCE—WOMEN STUDENTS:
Dean French.

RESIDENCE—MEN STUDENTS:
Dean Kerr, Chairman; Professors Lemon, Snyder; Captain Hart.

STUDENT ORGANIZATIONS:
General Chrisman, Chairman; Deans Crawford, French, Kostalek; Professor Barton

PART VII

Alumni Organization

Degrees Conferred in 1935

Honor List

PART VII

Alumni Organization

Degrees Conferred in 1935

Honor List

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Degrees Conferred in June, 1935

COMMENCEMENT ADDRESS

ERNEST KIDDER LINDLEY, '20
Washington Correspondent, New York *Herald-Tribune*

BACCALAUREATE DEGREES

College of Letters and Science

BACHELOR OF ARTS

Jane Frances Archbold
Harold Robert Boyd
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Jean Emily Clough
Marjorie Druding
Sue Evans
William Mark Felt
Conrad Orville Frazier
Aldon Mellroy Hoffman
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Kathryn Isabel Kennard
Helen Dorothea Latimore
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Ethlyn Virginia O'Neal
Eugene Perrine
Martha Jean Rehberg
Rosanne Virginia Roark
Juan Derama Romero
Paul James Rust
Harley Belcher Smith
Theodore Hutchins Thurston
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Victor Eugene Warner, Jr.
William Bascom Wetherall
Donald William White
Helen Lucile Wolfe

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Ivan Frederick Ellis
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Sheldon Russell Witwer

BACHELOR OF SCIENCE IN PRE-MEDICAL STUDIES

Marion Vorpe Klingler
Lewis Mihelich
Kenneth Dew Orr
Erma Deane Sogard
Allen Humphrey Tigert

BACHELOR OF SCIENCE IN PRE-NURSING STUDIES

Kathleen Martha Hamacher

BACHELOR OF SCIENCE IN HOME ECONOMICS

Dorothy Harriet Chamberlin
Helen Dorothy Creaser
Mary Abigail Davis
Helen Louise Frederic
Isobel Victoria Gibson
Kathleen Mary Goodwin
Maxine Myra Hofmann
Julia Elizabeth Hoover
Ruth Hildreth Johnson
Margaret Louise Jones
Mabel Rue Mullikin
Emma Alene Riley
Helen Theriault Stover
Ruth Lurlene Talbott
Mary Ann Tuttle

College of Agriculture

Bachelor of Science in Agriculture

David Carl Alftine
Robert Edgar Ames
Chester Emil Arndt
Elmer Durlin Belnap
Harold George Bergen
Howard Lynn Bodily
Howard Hughling Cagle
William Rufus David, Jr.
Tracy McClure Donahey
George Albert Fitzpatrick
Orval Eugene Goodsell
Yale B. Holland
Ralph Emerson Knight
Glenn Robert Kunkel
Eldred Lee
Hugh Shepard Cameron McKay
Donald Merle Murphy
Ralph Ransom Osborn
John Leon Parker
Rodney Alma Pearson
Ray Olaf Petersen
Mark Ephraim Peterson
Henry Thomas Schodde
Richard Wilbur Schumacher
John Leo Schwendiman
Leo Henry Senften
Walter Frank Stevens
Walter James Virgin
James Weldon Webster

College of Engineering

Bachelor of Science in Civil Engineering

Paul Henry Berg
Arthur Evans
Harold Donald Hafterson
Clarence Raymond Hoidal
Howard Dunham Langley
Lyman Winn Madsen
Frank Harris Peavey
Arthur George Schwartzenhauer
Franklin Edward Smith

Bachelor of Science in Electrical Engineering

James Gordon Anderson
Del LeRoy Andrews
Richard Ellis Boyce
Sarmukh Singh Brar
Arthur Ingemor Dahl
Alfred Bertram Day
Charles Robert Doucette
William Dale Eddington
Joseph James Gilgan, Jr.
Arthur Chris Hagen
Earl Eugene Haroldsen
Loyd Edwin Larsen
Arnold Johan Moen
Stephen John Pope
Ansbert George Skina
Clement Andrew Streifus
Bernard Iliff Valentine
Walter Gerrit Walstra
Helmer Westerlund
Donald Miller Wiseman

Bachelor of Science in Mechanical Engineering

Howard Eugene Arnett
Woodrow Emerson Arrington
Charles Crawford Dotson
Stanley Rowland Hall
Elmer Clinton Lundquist
Herman Clyde McBirney
Gordon Charles O'Bryan
Donald Ellis Ridings
Jack Myers Stanton, Jr.

Bachelor of Science in Chemical Engineering

Charles Raymond Crowley
Harry Maxwell Dewey
Robert Blum Haller
Martell Bell Harris
Wayne White Johnson
Kenneth Kenwood Kirkpatrick
Bennett Gordon Langford
Bruno Orlandini
John Lau Torgesen
Samuel Branch Walker

Bachelor of Science in Agricultural Engineering

Kenneth Hutchison Parks

College of Law

Bachelor of Laws

Edward Van Davis
Paris Townsend Martin
Warren Wakefield Russell
Charles Stanley Skiles

School of Mines

Bachelor of Science in Mining Engineering

Jack H. Barbee
Gustew Albert Dahlke, Jr.
Leo Aaron Woodruff

Bachelor of Science in Metallurgical Engineering

Fritz William Danielson
Earl Thomas Hayes
Darrell Reed Larsen
Roy Jack Quinstrom

Bachelor of Science in Geology

Veral Franklin Hammerand
Egon Herbert Henry Kroll
William Grannis Lundstrum
Herbert Lithgow McCallum

Bachelor of Science in Geological Engineering

William Carl Kleiner, Jr.
Clement Clair March

School of Forestry

Bachelor of Science in Forestry

Leslie Raymond Albee
Stewart Edward Brown
Thomas Stewart Buchanan
Brennan Briggs Davis
Milton Bromley Edwards
Earl Maurice Fickes
Herbert John Freece
Jack I. Groom
Anders Benjamin Hultman
Raymond Donald Lyons
Henry Francis McCormick
Bert Pascoe Munthe
Gray Dickson Reynolds
Dean Morris Sachs
Henry Victor Ziminski

School of Education

Bachelor of Science in Education

Maurina Juanita Aldecoa
Hollice McKinley Aldridge
Vera Irene Allen
Helen Coaina Amstutz
Clarence Lee Anderson
Lucile Stephenson Anderson
Mildred Mae Anderson
Tom William Armour
Miriam Dorothy Babcock
Charles Burnell Baker
Wallace Edgar Baker
Mary David Beamer
Alfred William Berg
Hannah Margaret Bozarth
Josephine Anna Breckenridge
Donald Olvir Brown
Lois Lenore Burnett
Herbert Irving Canine
Emma Pearl Courtney
Erma Crawford
Elizabeth Cynthia Daly
Anna Catherine Dau
Mary Helen Scudder Delo
Paul Franklin Dempsey
Lewis Brady Dunn
Pauline Pizey Dunn
Harold C. Engen
Dorothy Virginia Goode
Ethel Margaret Hanson
Forrest Robert Hauck
Lula McLane Hendricks
Elaine Constance Hersey
Frank Richard Hill
Vernon Marion Hixon
Donald Clifford Holmes
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Henery Bernard Hopwood
Arthur Laurence Houston
Kermit Hove
Thomas Albert Hunt
William Boland Hunt
Frances Margaret Illingsworth
Nellie Alene Irwin
Mary Agnes Jeffries
Mildred Mathilda Kantola
Richard Lewis Kelly
Maurine Kinghorn
K. Oscar Knudson
Herschell Stanton Lamb
Francis Towner Laney
James Van Rensselaer LeClair
Orrin Earl Lee
Lillie McManama Leistner
Marian Florence Lewis
Elizabeth Louise Lyle
Ruth E. Lyon
Irene Vivian McKeirnan
Isobel May Macdonald
Addie Emeline Martin
Lowell Bayard Martin
Wilbur Whittaker Merchant
Jane Rachel Merrick
Virginia May Merrick
Marjory Merwin
Norman Rhodes Miller
Ruth Annetta Miller
Mary Alice Moore
Mary Eileen O'Dea
Andres Almojuela Oreiro
Homer Franklin Peterson
Eugene V. Pugh
Helen Mae Pugh
John Milford Rantschler
Mildred Blanche Richardson
Jean Alice Ricker
William Gladstone Robb
Dorothy Amelia Robel
Norman Roberts
Chester Rodell
Mary Caroline Schlueter
Julius Jay Schreiber
Owen Hyder Seatz
Wesley Orr Shurtliff
Owen Delevan Smith
Willis Merton Smith
John Howard Snodgrass
Marvin Henry Snyder
William Jaynes Squance, Jr.
Frances Alene Stewart
Elizabeth Jane Stickney
Dorothy Velma Sturgeon
Anna Lenora Sweeley

Felipe Tabali Taaca
Lois Geraldine Thomas
Helen Margaret Thornhill
Helen Margaret Thornton
Isaac Kern Thurman
Ralph Warren Villers
Carl Wayne Warner
Charles Knight Warner
Nora Delphine Washburn
Bertha Mae Wilburn
Alden Earl Williams
Catherine Jean Wilson
Charles Eugene Wilson
George Kermit Woodward
Marjorie Bell Wurster

BACHELOR OF SCIENCE IN MUSIC EDUCATION

Alice Miriam Bell
Mary Margaret Reeland
Lillian Louise Sorenson
Frances Lee Wimer

School of Business Administration

BACHELOR OF SCIENCE IN BUSINESS

Mary Margarett Anderson
Evelyn Mae Bennett
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C. Worth Clarke
Frank Robert Ford
Cyril Lawrence Geraghty
Wayne Charles Hancock
Eugene Russel Hargraves
Mary Edna Hartley
John Francis Hayden
Robert Condit Herrick
Esther Edsall Hunt
David Donald Kendrick
Mary Martha Kersey
Leo Glenville Kraemer
Reginald Charles Lyons
Frances Jean McNaughton
Keenan Bushnell Mains
Eleanor Merriam
Edith Ilomay Miller
Carl Clifford Morfitt
Ralph Alexander Morgan
Frederick William Richardson
Raymond William Sowder
Eldred Clarence Stephenson
John Tritt Steward
Herman Edward Wagner
James Martin Warner
Frances Carolyn Wheeler

ADVANCED DEGREES

MASTER OF ARTS

NAME	PRESENT DEGREE	MAJOR DEPARTMENT
Rhoda Louise Evans	B.A., University of Idaho, 1930	*English*
Wilbur Owings Hogue	B.A., University of Idaho, 1935	*Philosophy*
Dolores Elizabeth Holmes	B.A., University of Idaho, 1931	*English*
Mildred Edna Peterson	B.S.(Ed.), University of Idaho, 1934	*English*
Sylvia Theresa Smitham	B.S.(Ed.), University of Idaho, 1924	*English*

MASTER OF SCIENCE

Duane Huber Daly	B.S.(Agr.), Kansas State College, 1932	*Bacteriology*
Louis Schroer Keyser	B.S., University of Idaho, 1934	*Chemistry*
Charles Edwin Moser	B.S.(Chem.E.), University of Idaho, 1933	*Chemistry*
James Orville Pence	B.S.(Chem.E.), University of Idaho, 1933	*Chemistry*
Louis DeSpain Smith	B.S.(Pre-Med.), University of Idaho, 1932	*Zoology*
Donald Clyde Snyder	B.S.(Chem.E.), University of Idaho, 1933	*Chemistry*

MASTER OF SCIENCE IN AGRICULTURE

Donald William Bolin, B.S., University of Wisconsin, 1926 *Agricultural Chemistry*
David Leslie Fourt, B.S.(Agr.), University of Idaho, 1923 *Dairy Husbandry*
Wylie Daniel Goodsell, B.S.(Agr.), University of Idaho, 1934 *Agricultural Economics*
Servando Abad Madarang, B.S.(Agr.), University of Idaho, 1934 *Plant Pathology*
Roy Marvin Monk, B.S., Agricultural and Mechanical College of Texas, 1929 *Agricultural Education*
Omer Leo Watson, B.S., North Dakota Agricultural College, 1929 *Agricultural Engineering*

MASTER OF SCIENCE IN CIVIL ENGINEERING

Charles Oscar Wamstad, B.S.(C.E.), University of Idaho, 1934 *Civil Engineering*

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Dennis William Keef, B.S.(M.E.), University of Idaho, 1933 *Mechanical Engineering*
Fred L. B. Miller, B.S.(M.E.), University of Idaho, 1934 *Mechanical Engineering*

Master of Science in Agricultural Engineering

Jefferson Belton Rodgers, B.S.(M.E.) University of Idaho, 1929
Agricultural Engineering

Master of Science in Education

John Eric Anderson, B.S., Utah State Agricultural College, 1933 *Education*
Thomas Reginald Ashlee, B.S.(Ed.), University of Idaho, 1934 *Education*
Swen Robert Bjorkman, B.S., Utah State Agricultural College, 1923 *Education*
Eunice Haskell Congleton, B.S.(Bus.), University of Idaho, 1927 *Education*
Wilhelmina Conrad, B.A., College of Idaho, 1926 *Education*
Lillian Eberdene DeWinter, B.S.(H.Ec.), University of Idaho, 1933 *Education*
Olga Ewasen, B.S.(Ed.), University of Idaho, 1934 *Education*
Richard Anthony Fox, B.S.(Agr.), University of Idaho, 1925 *Education*
Marjorie McNaughton Greene, B.S.(Ed.), University of Idaho, 1930 *Education*
William Lucas Harlan, A.B., DePauw University, 1925 *Education*
Milan Elven Hawk, B.S.(Ed.), University of Idaho, 1932 *Education*
Norman Jacob Jacobson, B.A., University of Idaho, 1922 *Education*
Lillie McManama Leistner, B.S.(Ed.), University of Idaho, 1935 *Education*
Benjamin Franklin Mahoney, B.S.(Ed.), University of Idaho, 1926 *Education*
Helen Howard Miller, A.B., Whitman College, 1919 *Education*
Edith Marie Nancolas, B.S.(Bus.), University of Idaho, 1930 *Education*
Carl M. Nielsen, B.A.(Ed.),Nebraska State Normal College at Chadron, 1928 *Education*
Helen Marie Powers, B.S.(Bus.), University of Idaho, 1932 *Education*
Myrtle Angeline Rindy, B.A., University of Idaho, 1928 *Education*
Winston Leigh Roesch, B.S.(Ed.), University of Idaho, 1934 *Education*
Eldon Bryson Sessions, B.S., Utah State Agricultural College, 1923 *Education*
Fred McKinley Sparks, A.B., Tusculum College, 1927 *Education*
Walter Frank Stevens, B.S.(Agr.), University of Idaho, 1935 *Education*
Ezra S. Stucki, B.S., Brigham Young University, 1927 *Education*
E. S. Suenkel, B.A.(Ed.), State College of Washington, 1931 *Education*
Benjamin Earl Thomas, B.S.(Ed.), University of Idaho, 1934 *Education*
Ormond J. Thomas, B.S., University of Idaho, 1930 *Education*
James Morrison Thompson, B.A., College of Idaho, 1929 *Education*
Jerome Ernest Tolbert, B.S.(Agr.), University of Idaho, 1922 *Education*
Wilber Dwain Vincent, B.A., University of Kansas, 1903 *Education*
Robert Dean Walden, B.S., University of Oregon, 1932 *Education*
Fred Beardsley White, B.S.(Ed.), University of Idaho, 1933 *Education*

Master of Science in Music Education

Pauline Harriet Paterka, B.S.(Mus.Ed.), University of Idaho, 1932
Music Education

Agricultural Engineer

Edgar Henry Neal, B.S.(A.E.), University of Idaho, 1930
Agricultural Engineering

HONORARY DEGREE

Doctor of Engineering

Walker Rollo Young, B.S.(Min.E.), University of Idaho, 1908

COMMISSIONS AND CERTIFICATES

COMMISSIONED AS SECOND LIEUTENANTS IN THE OFFICERS' RESERVE CORPS, ARMY OF THE UNITED STATES

Robert Edgar Ames
Harold Talbott Anderson
Hugh Benedict Burnett
Howard Hughling Cagle
Worth Charles Clarke
John Hinckley Crowe
Lewis Plank Ensign
James Gerald Fogle
Conrad Orville Frazier
Richard Frank Hill
Kermit Hove
William Boland Hunt
Parris Emmett Kail
Francis Towner Laney
Norman Rhodes Miller
Ralph Alexander Morgan
Robert Delmore Moser
Richard Curtice Nutting
Gordon Charles O'Bryan
John Milford Rantschler
Donald Ellis Ridings
William Gladstone Robb
Leo Henry Senften
Franklin Edward Smith
Victor Earl Smith
Jack Myers Stanton
Courtenay Emal Stevens
Herschell Wallace Swann
Wilbur Ddwain Vincent
Harvie Ellis Walker
Samuel Branch Walker
Victor Eugene Warner, Jr.
Donald Miller Wiseman

TO BE COMMISSIONED AS SECOND LIEUTENANTS IN THE OFFICERS' RESERVE CORPS, ARMY OF THE UNITED STATES, UPON COMPLETION OF CAMP TRAINING

Walter Littleton Budge
Horace Elburn Pierce
Ansbert George Skina
Herman Edward Wagner

THE FOLLOWING (additional) MEMBERS OF THE GRADUATING AND ADVANCED DEGREE CLASSES HAVE PREVIOUSLY RECEIVED COMMISSIONS IN THE OFFICERS' RESERVE CORPS, ARMY OF THE UNITED STATES

Donald Warren McGlashan
Keenan Bushnell Mains
Kenneth Dew Orr
Owen Hyder Seatz
Wesley Orr Shurtliff
Ben Earl Thomas

FINAL HONOR LIST, CLASS OF 1935

For conditions upon which honors are awarded, see page 16. In the following lists names are arranged in alphabetical order.

HIGHEST HONORS

Mary Margarett Anderson, B.S.(Bus.)
Carol Joy Campbell, B.A.
David Donald Kendrick, B.S.(Bus.)
Kathryn Isabel Kennard, B.A.
Janet Rankin Kinney, B.S.
Ralph Emerson Knight, B.S.(Agr.)
Eldred Lee, B.S.(Agr.)
Lillie M. Leistner, B.S.(Ed.)
Ethlyn Virginia O'Neal, B.A.
Martha Jean Rehberg, B.A.
Anna Lenora Sweeley, B.S.(Ed.)
Theodore Hutchins Thurston, B.A.

HIGH HONORS

Jane Frances Archbold, B.A.
Harold George Bergen, B.S.(Agr.)
Thomas Stewart Buchanan, B.S.(For.)
Harold Victor Ellingson, B.S.
Sue Evans, B.A.
William Gail Hoback, B.S.
Henery Bernard Hopwood, B.S.(Ed.)
Frances Margaret Illingsworth, B.S.(Ed.)
Mary Agnes Jeffries, B.S.(Ed.)
Marion Vorpe Klingler, B.S.(Pre-Med.)
Helen Dorothea Latimore, B.A.
Elmer Clinton Lundquist, B.S.(M.E.)
Hugh Shepard Cameron McKay, B.S.(Agr.)
Lewis Mihelich, B.S.(Pre-Med.)
Rodney Alma Pearson, B.S.(Agr.)
Frank Harris Peavey, B.S.(C.E.)
Eugene Perrine, B.A.
Ray Olaf Petersen, B.S.(Agr.)
Eugene V. Pugh, B.S.(Ed.)
Rosanne Virginia Roark, B.A.
Julius Jay Schreiber, B.S.(Ed.)
Arthur George Schwartzenhauer, B.S.(C.E.)
Harley Belcher Smith, B.A.
Clement Andrew Streifus, B.S.(E.E.)
Walter James Virgin, B.S.(Agr.)
Samuel Branch Walker, B.S.(Chem.E.)
William Bascom Wetherall, B.A.

PART VIII

List of Students, 1935-36

Enrollment Statistics

Index

List of Students

SYMBOLS used in the following list are to be interpreted thus:

S	Summer School
Freshman	39-40
Sophomore	(or 1st-yr. Law) 38
Junior	(or 2nd-yr. Law) 37
Senior	(or 3rd-yr. Law) 36
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
ge.	Geological Engineering
h.	Home Economics
jc.	Junior College
law	Law
me.	Mechanical Engineering
med.	Pre-Medical
met.e.	Metallurgical Engineering
min.	Mining Engineering
m.	Music
mus.ed.	Music Education
n.	Pre-Nursing
s.	Bachelor of Science
sp.	Special

A

Aas, Alma, G S ..... Moscow
Abbey, Robert Jerome, 39 ce ..... Boise
Abbott, Helen Marie, 39 jc ..... Moscow
Abbott, Robert Asa, 38 jc ..... Moscow
Accola, Bill Valentine, 39 f ..... Sheridan, Wyo.
Acuff, Alice, 36 ed ..... Rupert
Acuff, Joe Rollin, 36 ag ..... Rupert
Adams, Kathryn Maurine, 38 jc Moscow
Adams, Merle Richard, S 36 ed American Falls
Adams ,Molly Anne, S ..... Nampa
Adams, Thomas Russell, 37 ed Twin Falls
Adamson, Jack Hale, 39 jc ..... Carey
Addy, Leon Carl, 39 ag ..... Twin Falls
Adkins, Cyril Lee, 37 ed ..... Kimberly
Adkins, Howard Ernest, 38 law Moscow
Adriansen, Esther, 37 h ..... Moscow
Afshar, Hadji Azadi Khan, S 36 min Rezaieh, Iran
Aherin, David Adelbert, 39 me Genesee
Ahler, Ernest Eugene, 37 f ..... LaFollette, Tenn.
Ahlquist, Charlotte Louise, 36 ed ..... Buhl
Ahlskog, Howard Ernest, 38 f Coeur d'Alene
Ahrenholz, Frederick William, 36 f P f Kennan, Wis.
Airola, Ellis John, 36 s ..... Gardner, Mass.
Aitkin, Lynn A., 37 ag ..... Roberts
Albin, Donald Paul, 39 ag ..... Filer
Albrethesen, Harvey Martin, 39 f Gannett
Alcorn, Rowena Clement, 37 a ..... Moscow
Alden, Andrew Earl, 36 ed ..... Bovill
Alden, Floyd Lewis, 39 ed ..... Bovill
Alexander, Aleck, 38 ch ..... Boise
Alexander, Ward Hilbert, 37 ed Moscow
Alexanderson, Robert LaVerne, 39 jc Caldwell
Alison, Jean St.Clair, 39 jc Coeur d'Alene
Allen, Amy Faye, 39 jc ..... Moscow
Allen, Fred Robert, S ..... Castle Rock, Wn.
Allen, Ida Doris, 37 ed ..... Moscow
Allen, Martha DeGroat, S ..... McCall
Alley, Enos Gifford, G S A ed Corsica, S. Dak.
Allison, Oren Gerald, 38 law ..... Filer
Alm, Theodore, Edwin, 38 jc ..... Wallace
Almquist, Alma Sophia, S 36 h ..... Mullan
Alsop, Clinton Elliman, 38 me ..... Boise
Alters, Maurice Virgil, 38 ee Galesburg, Ill.
Alzola, Eugene Ralph, 39 jc Mountain Home
Ambrose, Grant Lewis, 37 a ..... Mackay
Ammer, Charles Justin, 39 jc Winchester
Anderle, Olive Bottorff, G S Cheney, Wn.
Anderson, Chester John, 39 f Wooster, Ohio
Anderson, David Alvin, 39 min Moscow
Anderson, Donald Edward, 39 min Grimes Pass, Ore.
Anderson, Earl Henning, 39 ce Idaho Falls
Anderson, Eleanor Catherine, S American Falls
Anderson, Elva Louise, 36 a Coeur d'Alene
Anderson, Ernest William, 37 f ..... Nampa
Anderson, Floyd Edward, 36 ch American Falls
Anderson, Fred Williams, S ..... Rupert
Anderson, Georgie May, G S ..... Aberdeen
Anderson, Gilmore, 38 ag ..... Moscow
Anderson, Joe Shaw, 38 jc ..... Aberdeen
Anderson, John Welsh, 38 jc ..... Twin Falls
Anderson, Kenneth Evans, 39 ed Moscow
Anderson, Lorin L., 38 f ..... Malad
Anderson, Lynn Wutke, 39 ee ..... Payette
Anderson, Paul Forkner, 38 f Belen, N. Mex.
Anderson, Paul Luther, 36 f P f Spokane, Wn.
Anderson, Raymond Albert, G S Palouse, Wn.
Anderson, Robert Leonard, 38 min Wallace
Anderson, Robert Morris, 39 f ..... Nampa
Anderson, Vaughn Franklin, 37 ch Palouse, Wn.
Anderson, William Rush, 38 ee Thornton
Anderson, Winifred, S ..... Gooding
Andrew, Donald Melvin, 39 ed ..... Emmett
Andrews, John Edwin, 38 ag ..... Notus
Andrews, Myrtle Otheldra, G S Wallace

Andrews, Oral Frederick, 37 b Caldwell
Anell, Arthur Bernard, 37 f.....Moscow
Annable, Harold Ocumis, 39 ed....Worley
Anson, Helen Andrea, 38 ed
Horseshoe Bend
Aram, John Lorenzo, 36 b.....Joseph
Aram, Narcissa Elizabeth, 39 jc....Joseph
Arms, Henry Shull, 36 s.....Wallace
Arms, William Dean, 37 ee.....Wallace
Armstrong, Dorothy Edna, 36 ed P ed
Rupert
Armstrong, Hazel Dean, 39 jc.....Rupert
Armstrong, Ivan William, 37 b
Bend, Ore.
Armstrong, Ralph Joseph, 36 law
Olympia, Wn.
Arnett, Kenneth B., 39 me.....Wallace
Arnold, Donald Cutler, 36 s.....Boise
Arnold, Elta Moorman, S....Grangeville
Aronson, Abel Curtis, 39 ch
Bonners Ferry
Arrington, Leonard James, 39 ag
Twin Falls
Arrington, Lucile Kutterer, 37 ed
Pocatello
Arrington, Woodrow Emerson, G ae
Pocatello
Arthur, Marcus Levi, 37 med....Lapwai
Ash, Arles Ivan, S.....Rupert
Ash, Betty, 39 jc.....Boise
Ash, Henry Woodrow, S.....Rupert
Ash, Mildred Marian, 37 ed.....Boise
Ash, William Henry, 37 b.....Boise
Ashbrook, Robert Lewis, 37 b
Huntington Park, Calif.
Ashby, Dorothy Eshom, 39 jc.....Moscow
Ashcraft, Jacob Osborn, Jr., G s
St. Anthony
Asher, Allen Hermann, 36 law Sandpoint
Ashlee, Ella Elizabeth Ireson, 38 jc
Moscow
Aslett, Marvin James, 36 ae.....Jerome
Aspray, Kime Edward, Jr., 38 f
Glen Ellyn, Ill.
Atkins, Harold Frank, 39 ag.....Buhl
Atkinson, Henry Melville, 39 min Boise
Atwood, Edwin Milo, 36 ee.....Moscow
Atwood, James Palmer, 38 me Lewiston
Auger, Richard Francis, 39 f
Brockton, Mass.
August, Joseph, 39 ed.....Spokane, Wn.
August, Louis Vitus, 37 b....Spokane, Wn.
Austin, Billye Jane, 38 jc.....Blackfoot
Averett, Jack Willard, 39 f.....Emmett
Avery, Lavell Jesse, 39 ag
Lava Hot Springs
Axtell, Richard William, 36 a....Moscow
Ayers, John Martin, 39 ch....Grangeville
Ayre, Joe Reed, 39 ed.....Wallace

B

Babcock, Ethel Peyton, G S
Long Beach, Calif.
Bacabac, Faustino Caliston, 37 ee
Ajuy, Iloilo, P.I.
Bachand, Emile Patrick, 39 ce....Weippe
Bacharach, Billy Burrell, 39 jc..Lewiston
Bacon, David Clarence, 39 jc
Georgetown
Baer, Jean Hitchcock, 39 jc.....Boise
Baeschlin, Neal, G S A ed.....Collins, Mont.
Baird, Dora Annette, 38 jc.....Boise
Baird, Frances May, 38 jc.....Boise
Baird, Fred Joseph, G S Corvallis, Ore.
Baird, Laurence Edwin, 36 a.....Boise
Baird, Thomas Orville, G S.....Lapwai
Baird, William Andrew, 36 ee
Valentine, Ariz.
Baker, Ancil David, 38 f....Mojave, Calif.
Baker, Bertram Charles, 38 f
Devils Lake, N. Dak.
Baker, Beverly Bernice, 39 jc.....Boise
Baker, Dorotha May, G S.....Caldwell
Baker, Geraldine, G S.....Gooding
Baker, Jack W., 39 jc.....Rupert
Baker, Marguerite Harper, G S Reubens
Baker, Martha Jane, S 37 a.....Rupert
Baker, Marvin Rader, G S A ed Reubens
Baker, Ralph Arthur, 38 jc.....Pocatello
Baker, Richard Charles, 38 mus.ed
Coeur d'Alene
Baker, Robert Hugh, S 38 law....Rupert
Baker, Sarah Jane, S 38 ed.....Moscow
Baker, William Roy, G S A ed
Pendleton, Ore.
Baldridge, Lela Gail, S.....Parma
Baldwin, John Ramsey, 39 ch....Lewiston
Baldwin, Robert Hugh, 38 me..Lewiston
Ball, Harold Knowlton, 38 ag.....Menan
Ballard, Helen Maurine, G S Twin Falls
Baltuth, Otto, 39 f....Niagara Falls, N.Y.
Banaka, Helen Louise, S.....Lewiston
Banbury, Helen Bernice, 39 jc.....Buhl
Bandelin, Betty, S 36 mus.ed Sandpoint
Banks, Chester Louis, 39 ed.....Troy
Banks, George Walter, 39 ed.....Troy
Banks, John Vallery, 38 ce..Coulee Dam, Wn.
Banks, William Carr, G.....Moscow
Barker, John Matthew, 38 jc.....Buhl
Barker, Lynn Spence, G S
Cache Junction, Utah
Barnard, Berenice Nellie, G
Superior, Nebr.
Barnes, Aldous Gilbert, 36 ch.....Boise
Barness, Joseph Ray, G S.....Greenleaf
Barnett, Gordon Levi, 38 ed....Sandpoint
Barnhill, Earl Donald, 38 ee.....Moscow
Barronett, Frances Ballinger, 36 ed
Yakima, Wn.
Barronett, Loyd Clifton, 36 ed
Centralia, Wn.
Barrus, Thayer Clark, G S Logan, Utah
Barstow, Georgia Grace, 39 jc....Moscow
Barstow, Virginia Lee, 39 jc.....Moscow
Barto, Harold Edwin, G S A ed
Ellensburg, Wn.
Barton, Dwight Weldon, 37 b Lewiston
Barton, Gerald Delbert, 39 jc....Rupert
Barton, Hubert Henry Jr., 39 jc
Coeur d'Alene
Barton, Margaret LaVerne, 39 jc
Spokane, Wn.
Barton, Sherwin Montieth, 37 min
Weiser
Basom, Elson Ray, 36 ee.....Nampa
Bateman, William Thomas, 38 f
Madison, Wis.
Bateman, Winifred, 36 a.....Moscow
Battcher, John Howard, 39 f Bismarck, N.Dak.
Bauch, Thomas James, S 38 jc
Milwaukee, Wis.
Bauer, George Henry, 39 ce.....Letha
Baumgartner, Walter, 36 ag Thornton
Baxter, Elba Boyd, 36 ag.....Challis
Baxter, Helen Catherine, S....St. Maries
Baylon, Charles Armand, 38 jc Copeland
Beal, Bernard, 39 jc....Millington, Mich.
Beall, Ausman T., 39 ed.....Caldwell
Bean, Agnes, 38 ed.....Sugar City

Bean, James Robert Jr., 39 g....Wallace
Beardmore, Charles Curtiss, 37 b Priest River
Beary, John Graham, 38 jc....Albion, Ia.
Beattie, Raymond DeLoy, 39 jc Rexburg
Beatty, Francis James, 38 ed Van Nuys, Calif.
Bechard, Eugene Earsel, 37 a Bonners Ferry
Bechtol, Edwardine Evelin, S 38 jc Moscow
Beck, Caroline Jane, 39 jc.....Boise
Beck, Ernest Peter, 38 ag.....Post Falls
Beck, Glenn Hanse, 36 ag.....Aberdeen
Beck, John Melvin, 36 ag.....Burley
Beck, Seymour Morgan, S 36 ag Rupert
Beecher, Clyde Rolla, 39 ae.....Heyburn
Beeler, Lewis Frederick, G S A ed Billings, Mont.
Beeler, Raymond Leo, 39 ed.....Payette
Beeman, Addison Cecil, 37 s....Gooding
Beers, Francis Davison, G S.....Kamiah
Behnke, Alaska, G S.....Seattle, Wn.
Behrens, Harold Edward, 39 f....Juliaetta
Behrns, Abbie Cecil, G S.....Missoula, Mont.
Bell, Alice Miriam, G S.....Moscow
Bell, Clarence Watson, S.....Moscow
Bell, George M., G S.....Logan, Utah
Bell, Rachel Perrenoud, S.....Moscow
Bell, Roscoe Ernest, G S.....Moscow
Bell, Ruth Kringel, 38 jc.....Boise
Bell, Thomas Donald, G ag.....Rupert
Bellwood, Sherman Jean, 38 jc Kimberly
Belmore, Ethel Mae, S.....Glenns Ferry
Bender, Philip Homer, 38 f....Spokane, Wn.
Benedict, Donald Dwight, 38 ag Lewiston
Bennett, Doris Madeline, 39 jc.....Deary
Bennett, Eber Fred, 39 jc.....Moscow
Bennett, James Ralph, 39 jc.....Parma
Bennett, Mary Bell, 38 jc.....Lewiston
Benson, Benny Bernard, 37 ag St. Maries
Benson, Ellen Clarice, 38 ed.....Moscow
Benson, Helen Elizabeth, 38 jc....Moscow
Beresford, Hobart, G.....Moscow
Berg, John Allison, 38 ee.....Osburn
Berg, Lloyd Wesley, G S.....Pocatello
Berg, Richard Elvin, 37 a.....Pocatello
Berge, Palmer Kermit, 37 ed....McVille, N. Dak.
Berger, Billie Maxine, 38 jc....Pocatello
Berger, Donald Raymond, 38 jc Lewiston
Berkenbosch, William, 38 f....St. Louis, Mo.
Berlinger, Margaret Josephine, 38 ed Kelly Lake, Minn.
Berrey, Vernon LeMarr, 39 min Montpelier
Berry, Byron, G S.....Buhl
Berry, Ena Lois Dresser, 38 ed....Emmett
Berry, Myrtle Dexter, S.....Buhl
Berry, Ray Harris, 37 ed.....Lewiston
Berry, Vern E., G S A ed Centralia, Wn.
Beth, Elmer Frederick, 38 law....Moscow
Bethmann, Emilie Frieda, 37 ed Kamiah
Betts, Russell Alonson, 37 ed Southwick
Betts, Walter Bert, 38 ed....Los Angeles, Calif.
Beveridge, Norman Stephen, 39 f Rhinelander, Wis.
Beverly, Robert Edgar, 38 jc Priest River
Bevington, Frank Clark, 36 b.....Boise
Bevis, Paul Marshall, 39 ed....Portland, Ore.
Bevis, Ruth Lee, 38 a.....Portland, Ore.
Bevis, Vincent Poole, G S A ed Portland, Ore.
Beyersdorf, Rudolph Rienhard, 38 jc Davenport, Wn.
Bickford, Richard Folsom, 36 f Cambridge, Mass.
Bida, Peter, 39 ed....South New Berlin, N.Y.
Bida, Samuel Loren, 38 min South New Berlin, N.Y.
Biggart, Vera Lee, 39 jc.....Moscow
Bigham, Oren William, 38 jc.....Bovill
Billeter, William, G S.....Rexburg
Bingaman, Marguerite Frances, 38 ed Morton, Wn.
Birlew, Betty Georgia Frances, 39 jc Mullan
Bishop, Harriette Elizabeth, 39 jc St. Anthony
Bistline, Ray Donald, 38 law....Pocatello
Bjorklund, Alice Charlotte, 39 jc. Moscow
Bjorkman, Samuel, 38 jc.....Aledo, Ill.
Bjornstad, Catherine Janet, 37 a Spokane, Wn.
Black, Blanche Susanna, 39 jc.....Boise
Black, William August, 37 med Pocatello
Black, Zenos Linden, G S.....Paris
Blackman, Blythe Almeda, 38 jc Kellogg
Blackman, John Andrew, 37 met.e Kellogg
Blackwell, Arlene Lucille, 38 ed Kellogg
Blaine, Marjorie Ruth, 39 ed.....Boise
Blair, Albert Garrison, 37 me Priest River
Blake, Hazel, 37 ed.....St. Anthony
Blake, Ralph Davis, 39 f.....Twin Falls
Blake, Sumner Tuttle, 38 jc....Sharon, Mass.
Blakeslee, Elizabeth, S.....Bowmont
Blanchard, Fred Clayson, G.....Moscow
Blattner, Milton R., 38 jc.....Kuna
Blevins, Ethel Caroline, 39 ed.....Greer
Blewett, Aaron Ellsworth, 38 ag Culdesac
Blood, Dorothy Eleanor, S Palouse, Wn.
Blum, Robert Foote, 39 f Cleveland Heights, Ohio
Boardman, Mathew Leeman, 39 f Glen Ellyn, Ill.
Bodily, Glenn LeRoy, 38 ag.....Preston
Bodine, David Philip, 39 jc.....Lewiston
Bodwell, Philena Elizabeth, 38 ed Spokane, Wn.
Bohman, Alice Viola, 36 n.....Troy
Bohman, Morris Peter, 39 jc.....Troy
Bohman, Willis Austin, 38 f.....Troy
Boles, Matha Irene, S 38 jc.....Moscow
Bolin, Donald William, G.....Moscow
Bolin, Margaret Knudson, G.....Moscow
Bollinger, Robert Edgar, 38 b....Lewiston
Bond, Charles Henry, G S A ed Twin Falls
Bonin, Pete John, 39 jc.....Hailey
Booker, Edward Connell, 38 f....Dewey, Okla.
Boomer, Evelyn Jean, S 36 s.....Payette
Boomer, Lois Margaret, S.....Payette

Boone, William Holt, 39 f....Dayton, Wn.
Booth, Betty Ann, 37 ed.....Kellogg
Booth, George Edwin, G a.....Burley
Booth, Ida Mae, S.....Kellogg
Booth, John Neff, G S.....Preston
Bopp, Earl Anthony, 36 ed....Sandpoint
Borup, Philip Byron, 38 ag.....Paul
Bothwell, Elizabeth Jane, 39 jc
Twin Falls
Bottcher, Charles Joseph, 39 f Sandpoint
Bottinelli, Milam Francis, 36 ch Kellogg
Boule, Virgil Danton, 39 ag....Portland, Ore.
Bow, Wilson Francis, 36 ae.....Bowmont
Bowdish, Floyd Ellis, 39 ag.....Orofino
Bowers, Floyd Edward G S....Spokane, Wn.
Bowker, John Paul, 38 ed....Curlew, Wn.
Bowlby, James Wellington, G ed
Moscow
Bowler, Aldrich Earnest, 37 ed..Gooding
Bowler, Martha B., G S.....Gooding
Bowler, William Bruce, 38 law..Gooding
Bowles, Claramae, 37 b.....Twin Falls
Bowman, Eugene William, S G ed
North Powder, Ore.
Bowman, Howard William, 39 f Ravinia, Ill.
Boyatt, Clyde Vernon, 36 law..Pocatello
Boyd, Buford Cornelious, 39 me
Nezperce
Boyd, James Arvid, 39 f....Huron, S. Dak.
Boyd, William Hicks, 39 jc.....Buhl
Braddock, Mary Gene, 37 a.....Lewiston
Brado, Glenn Eugene, 36 f.....Aberdeen
Bradshaw, Dorothy Ellyn, 39 jc
Spokane, Wn.
Brady, William Wells, S....Castle Dale, Utah
Brasch, Charles Theodore, 37 ed
Nezperce
Bratton, Leslie Sumter, sp jc....Moscow
Braxton, Mary Margaret, 38 jc.....Boise
Breckenridge, Robert, 37 min....Atlanta
Bremer, George Allison, 39 jc.....Boise
Brende, Anna Beatrice, S 37 ed
Clarksfork
Brende, Otto Bergman, 39 me
Clarksfork
Brennan, Elizabeth Margaret, S....Nampa
Brevick, Irene Ella, 39 jc.....Wendell
Brewer, William Franklin, 38 jc
Escondido, Calif.
Briggs, Ethel, 38 ed.....Teton
Briggs, Francis Ray, 39 ed.....Buhl
Brigham, Morton Roy, 38 f.....Genesee
Brighton, William Stewart, G S
Idaho Falls
Brinck, Ava Chester, S.....Boise
Brindley, Harriet Pauline, G S A a
Cedar Falls, Ia.
Brindley, LaVerna Rohden, G ed
Moscow
Brittain, Armond Jean, 39 f Rapid City, S. Dak.
Britton, Merle Rudolph, 39 f....Oakland, Calif.
Broadhead, Alice, S.....Blackfoot
Broadhead, Dean A., 39 ag.....Rupert
Broadhead, Floyd R., 39 ag.....Rupert
Broadhead, Marian, S.....Blackfoot
Brodrecht, Barbara Jean, 39 jc
Spokane, Wn.
Brodrecht, Helen Elizabeth, 38 jc
Spokane, Wn.
Brodrecht, Margaret May, 36 ed
Spokane, Wn.
Brody, Mary Jane, 39 ed.....Moscow
Broemeling, Rose Mary, 37 h....Genesee
Bronson, Karl Lewis, 38 ag.....Burley
Brosnan, John Stapleton, 37 a....Moscow
Brown, Beverly, S 38 jc.....Ogden, Utah
Brown, Charles Edward, 36 ag..Belmont
Brown, Charles Gilbert, 36 f....Wapato, Wn.
Brown, Clarence Williams, 37 f
Homedale
Brown, Clifford Clarence, G S Pocatello
Brown, Clifford John, 40 f Libby, Mont.
Brown, Dorothy Carolyn, 37 ed....McCall
Brown, Edith Marie, 36 ed....Homedale
Brown, Lester Raymond, 37 b Sandpoint
Brown, Margaret, 39 ed.....McCall
Brown, Mary Ellen, 36 b.....Twin Falls
Brown, Richard Wayne, 39 ag
Winchester
Brown, Sarah Margaret, 39 ed....Moscow
Brown, Wallace Bernard, 39 ce Moscow
Brown, Wallace Morell, 36 me
Port Townsend, Wn.
Brown, Walter Lee, 38 jc.....Lewiston
Brown, William Jacob, 39 jc.....Moscow
Brownlow, Marie Jane, 39 jc.....Moscow
Browning, Nellie Ruth, 39 ed....Kamiah
Bruesch, Ada Belle, 36 a.....Almo
Bruns, Clare Goplin, G S.....Kellogg
Bruns, Emory Lee, G S A ed....Kellogg
Bruns, Howard Melvin, G S....Kimberly
Brunzell, George M., 36 ee.....Murphy
Brush, Pauline Reed, 39 jc.....Wilder
Bryant, John Arlie, 38 jc.....Orofino
Bucey, William Boyd, 39 min
Cleveland, Ohio
Buchanan, Walter Francis, 37 b
Twin Falls
Buck, Edward Moore, G S....Milton, Ore.
Buckles, Nellie Elaine, S.....Lewiston
Budge, Hamer Harold, 36 law.....Boise
Bue, Helen Bertha, 37 a.....Moscow
Bue, James Marshall, 39 met.e....Moscow
Bue, Neal Stanley, 39 ag.....Moscow
Bue, Norval Kermit, 38 jc.....Moscow
Buell, Carl Monroe, 36 law.....Calder
Bulfinch, Kate Gardner, S.....Fairfield
Bullock, Earl Russell, 37 a.....Lewiston
Bullock, Glen Trace, 39 ed....McCammon
Bundy, Marcia Helen, G S.....Bliss
Bundy, Wilson Woodrow, 37 ag Culdesac
Bunker, Theresa, S.....Twin Falls
Bunten, Glenn, G S....American Fork, Utah
Burch, Delbert, 36 med.....Priest River
Burger, Inez Jones, S.....Council
Burgett, Rosemary Parks, 38 a
Ashtabula, Ohio
Burke, Edward Earl, 39 jc.....Weiser
Burke, Frederick Richard, 37 law
New Haven, Conn.
Burke, Joseph Kay, 39 jc.....Elk River
Burkhard, James Robert, 38 jc.....Bliss
Burnam, Thomas Bond, 36 a....Lewiston
Burns, Ernest Reginald, 37 s....Pocatello
Burns, Marcella Ethel, 38 ed....Juliaetta
Burns, Ruth Eileen, 39 jc.....Caldwell
Burns, Willard Russell, 37 b.....Boise
Burr, Richard Douglass, 37 f Lakewood, Ohio
Burriss, Geraldine Maxine, 38 jc Wallace
Burstedt, Frank Peter, 36 ag.....Challis
Burt, Carl Robert, 39 jc.....Boise
Burton, Miriam, G S.....Moscow
Buschlen, Merrill J., G ag Snover, Mich.

Bush, Mary Louise, G ed.....Moscow
Butler, Eleanor, 39 jc.....Bliss
Butler, Glenn Lowe, 38 f.....Eden
Butler, Ross Erin, 39 jc.....Eden
Butler, Violet Black, S....American Falls
Buttars, Mabel, G S.....Clarkston, Utah
Butterfield, William Melvin, 39 ag Boise
Button, Earl Franklin, 39 ch.....Potlatch
Byington, Darrell Luraine, 37 ag
Lava Hot Springs
Byington, Dowe Henry, 39 ag
Lava Hot Springs
Byrne, Edward Patrick, G b....Richfield
Byrne, Maurice Edward, 37 ee Lewiston

C

Cable, Dwight Raymond, 38 f....Tucson, Ariz.
Cable, Oscar Jacob Jonas, 38 ed
Rapid City, S. Dak.
Cady, Katherine Jean, 39 jc....Pocatello
Caine, Julia Alleman, G S....Idaho Falls
Caldwell, Berl, 39 met.e.....Caldwell
Call, Donald Melvin, 39 jc.....Lewiston
Callahan, Eleanor Ardith, S 39 ed
Moscow
Callahan, Francis Burtram, 39 jc
Moscow
Callahan, Michael Byron, 36 s....Moscow
Callaway, George Ross, 38 f....Lenexa, Kans.
Callister, Francella Johanna, S
Balckfoot
Calnon, Wilbur Francis, 37 ag..Meridian
Cameron, Edward Glen, S....St. Anthony
Camm, Frederick James, 40 ed Harrison
Camm, Victor Nelson Lincoln, 38 jc
Harrison
Cammack, Myrtle Irene, 39 ed Murtaugh
Campbell, Clayton John, 39 jc....Orofino
Campbell, Fred William, 37 a....Orofino
Campbell, Ivan DeForrest, 38 ch Emmett
Campbell, Jack Vallet, 38 ce
Swan Valley
Campbell, Lionel Thaddeus, 37 law
Moscow
Campbell, Oliver Harold, G S A ed
Manhattan, Mont.
Campbell, Oren Floyd, G S A ed
Enterprise, Ore.
Campbell, Richard Lorne, 39 f
Los Angeles, Calif.
Cantlon, Dale Victor, 39 ed.....Buhl
Capellen, Mamie Ruth, G S....Dows, Iowa
Caporaso, Alessio Peter, 37 f Waterbury, Conn.
Caples, James Watts, 39 f.....Salmon
Carberry, Kenneth Joseph, 39 ed
Manitowoc, Wis.
Cardon, Royal Dahlstrom, 37 ag....Inkom
Carlquist, Barbara Janet, 40 ed
Spokane, Wn.
Carlson, Alvina Cecelia, 39 jc....Moscow
Carlson, Charles Edward Malcolm, 36 f
Jamestown, N.Y.
Carlson, Earl C., 37 b.....Swan Lake
Carlson, Evangeline Montgomery, 38 s
Juneau, Alaska
Carlson, Franklin Edward, 39 f.....Gem
Carlson, Harold DeVere, 36 ed..Wardner
Carlson, Ida Ellen, S.....Rupert
Carlson, John Walfred, 38 me....Moscow
Carlson, Lillian Charlotte, 37 law
Pocatello
Carlson, Marion Constance, 37 ed
Coeur d'Alene
Carlson, Paul Joseph, 39 ag.....Troy
Carmody, Maurice William, S..St. Maries
Carnaham, Carolyn, S.....King Hill
Carothers, Margaret, 39 jc Spokane, Wn.
Carpenter, John Bartley, S 36 ag....Boise
Carpenter, Robert Dickerson, 38 met.e
Salmon
Carr, Dorothy Irene, S.....Pocatello
Carr, Joseph James, 39 jc.....Kellogg
Carringer, Harold Starr, 39 jc.....Eagle
Carson, Mildred Madeline, 36 a....Moscow
Carte, Samuel John, 38 f....West Point, Ind
Carter, George William, 39 jc....Moscow
Cary, Orville Ballard, 39 f Walsenburg, Colo.
Case, Walter Earl, 39 f.....Bayview
Casey, Vera Elva, S.....Boise
Cate, Lena Morgan, G S.....Boise
Cates, Louis Edmond, 39 f Gillette, Wyo.
Cerutti, Andrew, 39 ed.....Moscow
Cerutti, Angelin, 37 ed.....Moscow
Chamberlin, Dorothy Harriet, G h
Lewiston
Chamberlin, Nancy Bell, 36 ed.....Boise
Chambers, Robert Orin, 37 ee....Reubens
Chandler, Dorothy Snyder, 38 ed
Springfield
Chandler, Ellen Dorothy, G S....Montour
Chandler, Evelyn Jean, 39 jc....Emmett
Chandler, Jesse S., G S.....Provo, Utah
Chandler, Newell Bradford, 36 ce
Montour
Chapman, Howard Robert, 36 ch....Rigby
Chapman, Maxine Lois, 40 jc.....Moscow
Chariton, Clarence Walter, G S
Coeur d'Alene
Cheney, Thomas Edward, G S A a
Moreland
Cherrington, Maurine Merwin, G
Moscow
Cherrington, Virgil Arthur, G....Moscow
Cherrington, William Charles, S 36 ed
Moscow
Chester, Thomas James, 37 ag.....Henry
Chestnut, John Havre, 39 jc.....Moscow
Childs, Charmion Helen, 37 med
Huntington Park, Calif.
Childs, Clarence Eugene, 38 jc.....Buhl
Childs, Elizabeth Bromley, 38 jc
Huntington Park, Calif.
Chipman, Lloyd George, 39 jc
Grangeville
Choules, Edna, S.....Preston
Chrape, George Michael, 39 me Bovey, Minn.
Christensen, Georgia, 38 ed.....Shelley
Christensen, Jensen D., G S A ed
Shelley
Christensen, Maurine, G S.....Downey
Christiansen, Francis Reed, 39 ed
American Fork, Utah
Christiansen, John Modell, 38 g Downey
Chrystal, Francis Homer, S 37 b Bovill
Church, Marie Antoinette, S
New Plymouth
Clack, James Henry, 39 f Coeur d'Alene
Clark, Richard Allan, 38 jc.....Culdesac
Clark, Theron Elijah, S.....Blackfoot
Clark, Thomas Joseph, 37 ch.....Driggs
Clarke, Anita Catherine, S 38 jc Moscow
Claypool, James Floyd, 36 ag.....Jerome
Clayton, Grace Mariam, 39 ed....Cabinet
Clayton, Joe Emerson, 39 jc....Pocatello
Clement, Hollis Demont, 39 ag
Lewisville
Clements, Robert Ellis Jr., 38 f....Moscow

Clemons, Dale Darrel, 36 law....Gooding
Cleveland, Dana Lawrence, S.....Pierce
Cleveland, Ethel Kathryn, 38 jc Kooskia
Cleveland, Presley, 39 jc.....Lewiston
Click, Leo Ennis, G S A ed.....Lewiston
Clifford, Jeanette Dean, 39 jc.....Boise
Clough, Helen Elizabeth, 39 ed....Weiser
Clouser, John Fisher, 37 g.....Gooding
Clubb, William Fred, 38 f.....Mullan
Coates, Enid, S.....Bellevue
Coates, George Kenneth, 38 met.e Caldwell
Coats, Helen Elizabeth, 37 a....Vale, Ore.
Cobb, Melissa Darell, S....Coeur d'Alene
Cobbett, LaVerne Charles, 38 a....Moscow
Coffin, Elizabeth, 39 jc.....Shoshone
Coleman, John Milton, 39 jc.....Cascade
Collett, Gordon Raymond, 40 ed Mountain Home
Colley, Everett Arthur, 38 jc....Homedale
Colley, Kenneth Harold, 39 jc Homedale
Collings, Ward Lawrence, 39 ed..Jerome
Collins, Charles Thomas, 37 ed..Reubens
Collins, Marjorie Patricia, 36 a Pocatello
Colquhoun, Marjorie McCrea, 37 ed Coeur d'Alene
Combs, Clifton Breckenridge, 39 jc Moscow
Compagnoni, Panfilo, 38 f.....St. Maries
Condit, Gomer Henry, 38 ce....Hagerman
Condon, Sister Mary Hedwig, G S Cottonwood
Congdon, Mary Virginia, 37 a.....Boise
Congleton, Eunice Haskell, G S....Burley
Conklin, Gene Louis, 37 a.....Rathdrum
Connolly, William Thomas, 37 ee Harrison
Conquest, Jay Walter, 36 ag P ag....Boise
Consalus, David Carson, 39 jc....Plummer
Consalus, Marjorie Nan, S.....Plummer
Conway, Fannie Jane, G S.....Boise
Conwell, Willard Irven, 36 b Costa Mesa, Calif.
Cook, Howard Loren, 36 s Coeur d'Alene
Cooke, Earle Essex, S.....Nampa
Cooley, Bertha Hill, G.....Moscow
Coon, Beckford Feddersen, 37 ag Payette
Coon, Ernest Theodore, 38 jc Rathdrum
Coon, Robert Carl, 39 ag.....Caldwell
Coope, Dorothy Page, sp a.....Moscow
Coope, Geoffrey Gainsborough, G S Moscow
Cooper, John Warren, 37 ed.....Gooding
Coppock, Claire Melissa, 38 ed.....Athol
Coppock, Laura Nell, 38 ed.....Athol
Corbridge, Ivan Lawrence, 39 jc....Malad
Corless, John Matthew, 38 f.....Paul
Cornell, Lorna Jane, 36 a.....Pocatello
Corpuz, Jose Morales, 36 ce Bacnoton, La Union, P.I.
Cory, Philip Braden, G S.....Wallace
Cotterel, Ramona Lee, S American Falls
Coughlan, Glenn A., 38 law Kemmerer, Wyo.
Coulter, Emily Louise, G S.....Weiser
Courtney, Arthur Baxter, 36 ch Kellogg
Courtney, Richard Guernsey, 36 met.e Kellogg
Cowden, Lloyd, 37 ag.....Blackfoot
Craig, Glenn Elmer, 36 ch.....Moscow
Cramer, Margaret Jane, 38 ed....Moscow
Crampton, Joe Hamilton, 38 jc Lewiston
Crane, John Henford, 38 me.....Oakley
Craven, Dorothy, 37 h.....Boise
Crawford, Blaine Gordon, 38 ed Plummer
Crawford, Ivan Charles Jr., 37 ce Moscow
Crawford, James William, 37 ed....Boise
Crawford, Kenneth James, 36 f Darlington
Crawford, Marion Ruthven, G S Payette
Criddle, Merdin Clyde, 38 ee Idaho Falls
Crombie, Richard Joseph, 37 med Spokane, Wn.
Cromwell, Gertrude Evans, S.....Moscow
Cromwell, John Frederic, 36 law Gooding
Crooks, Orrin Dorsey, 39 ee.....Moscow
Crosby, John Dugald, 39 jc Grangeville
Cross, Kenneth Jacob, 38 f Moorefield, Nebr.
Crouch, Ralph Wilson, 38 ed Bonners Ferry
Crowe, Gerald Martin, 38 ee.....Moscow
Crowe, John Hinckley, 36 ce.....Boise
Crowley, Charles Raymond, G Idaho Falls
Crowley, Delberta Wanda, 39 ed Idaho Falls
Crowley, Delsa Vivian, 37 a Idaho Falls
Crowser, Kenneth Eugene, 39 me Gifford
Crowther, Charles Dawson Jr., 39 jc Spokane, Wn.
Cruikshank, Douglas Barton, G s Moscow
Cruickshank, Muriel Leyrer, G a Moscow
Crumb, Henery Edwin, 37 ed Redondo Beach, Calif.
Cruse, Lenn Brussels, S 37 ed....Emmett
Cuddy, Bess Teresa, S 38 ed.....Boise
Cuddy, Margaret Elizabeth, G S....Boise
Cummings, George Hight, 39 ce..Moscow
Cummings, Leona, G S....Brigham City, Utah
Cummock, Davina Maxine, 37 a..Weiser
Cummock, Jack Charles, 38 b.....Boise
Cunningham, May Lattin, G S Fairfield
Cuoio, Alfred, 36 a.....Pocatello
Currie, Blanche Martha, G S....Pocatello
Curtis, Ann, 37 ed.....Sandpoint
Curtis, Floyd Clifford, 39 f.....Kuna
Curtis, Mary Ada, 38 jc.....Kuna
Curtis, Ray B., G S.....Driggs
Cushing, John Henry, 38 jc.....Weiser
Custer, Donald James, 39 f Coeur d'Alene
Cutler, Helen Elsie, 37 ed.....Emmett
Czehatowski, Adam William, 36 ee Gardner, Mass.

D

Daggett, Robert Maxwell, 39 ed....Weiser
Dahl, Elizabeth, 36 mus.ed.....Plummer
Dahlquist, Lillian Sophie, S Coeur d'Alene
Dailey, Edward Lee, 39 jc.....Boise
Dailey, Hilda Ida, S.....Palouse, Wn.
Daily, Walter Howard, G S Angels Camp, Calif.
Dakin, William Edward, 39 jc Kimberly
Dalberg, Virgil Romaine, G.....Troy
Dalley, Arthur Frederick, 39 jc Aberdeen
Daly, Jack Alois, 38 jc.....Rupert
Daly, John Haskell, 38 law.....Boise
Darby, Vos Carl, 38 jc.....Payette
Darkenwald, Lucille Antoinette, S Blackfoot

Darnell, Richard James, 39 jc Spokane, Wn.
Daugherty, Virginia Alice, 38 jc Reubens
Daughs, Herman Cunningham, 37 f Princeton
David, Franklin Connaughton, S 36 med Moscow
David, Homer Jr., 38 jc....Moscow
Davidson, Eugene Walter, 39 jc Moscow
Davidson, George Merrill, 38 jc Kendrick
Davidson, Gordon Fremont, 38 jc Stites
Davies, Homer Evan, 39 jc....Nampa
Davies, June, 39 jc....Boise
Davies, Lois Elaine, 36 ed....Wallace
Davis, Carol Jean, 39 jc....Spokane, Wn.
Davis, David James, 38 f....Bozeman, Mont.
Davis, George Albert, 38 ee....Spokane, Wn.
Davis, Harriet Eloise, S....Spokane, Wn.
Davis, Julie Pauline, 37 a....Boise
Davis, Margaret Josephine, 39 ed Kimberly
Davis, Oliver Thomas, G S....Challis
Davis, Onah Lea, S....Buhl
Davis, Owen Marion, G S....Loa, Utah
Davis, Rita Baxter, S....Challis
Davis, Tommie Olava, G S Spokane, Wn.
Dawson, Doris Helen, 38 jc....Burley
Dawson, Georg Clarence, 37 mus.ed Boise
Day, Herbert Alfred, 39 ag....Montour
Day, Neil John, 38 ed....Idaho Falls
Dayley, Kendall Earl, 38 ag....Filer
Dayley, Mark Y., 39 ag....Filer
Dayton, Rose Mae Sellars, 38 ed Moscow
Dayton, Wendell Leo, 36 s....Moscow
Deacon, Robert Richardson, 38 law Pocatello
Dean, George W., 37 ed....Emmett
Dean, Hazel, 39 jc....Emmett
Dean, Joseph Rodney, 38 jc....Rexburg
Deane, Darrell Dwight, 38 ag Anacortes, Wn.
DeBacker, Charles, 39 f....Sandpoint
DeBeaumont, Dare C., G S Spirit Lake
Decker, George Wendell, 38 ce....Kooskia
Decker, Ivan Cornelius, 37 f....Pocatello
Decker, John Peter, S 38 c....Moscow
DeCourcey, James Monroe, 38 jc Culdesac
DeKay, Marguerite, 39 jc....Blackfoot
Delana, Marion Estelle, 37 a....Boise
Delo, Harry Francis, 37 ee....Melba
Delo, John Jacob, 36 b....Duquesne, Pa.
DeMars, Harold Victor, 37 med....Wallace
Dempsey, Frances Louise, G S....Salmon
Dempsey, Marjorie Jean, 38 ed Grangeville
Denning, Harriet Jean, 39 jc Spirit Lake
Dennis, Fay Bell, 39 jc....Rexburg
Denton, Louis Martindale, 37 ed Kimberly
DeSpain, Charles Campbell, 40 jc Weiser
Devine, Marylou, S....Moscow
Devlin, Clarence William, 37 ed....Boise
DeWinter, Adrian Gerard, 38 jc Moscow
DeWinter, Gertrude Margeurite, G S Moscow
DeWinter, Katherine Adrianna, 39 ed Moscow
DeWinter, Marie Jane, G S A ed Moscow
DeWitt, Myrtle Chrystine, S....Moscow
Dick, Elizabeth Taylor, G S G ed Moscow
Dick, Kenneth Andrew, G b....Moscow
Dickerson, Catherine Gail, 39 ed Weiser
Dickerson, Charles Carroll, G S St. Anthony
Dickinson, Lola Mae, 38 ed....Moscow
Dickinson, Virgil Maurice, 39 jc Moscow
Dickson, Donald Franklin, 38 f....Rupert
Dickson, Enid, 39 Jc....Challis
Dienst, Lillian Hawk, G S....Boise
Dierken, Richard Henry, 37 f Milwaukee, Wis.
Diethelm, Alta Mae, 38 ed....Moscow
Dietz, Herman Beattie, 37 med....Boise
Dillard, Ella Jane, 40 ed....Spokane, Wn.
Dimock, Ross Albert, 39 ag....Moscow
Dinnison, Leah Ruth, 39 jc....Pierce
Dinnison, Walter Leon, 39 ed....Pierce
Dirks, Walter Cornilius, 39 ag Aberdeen
Dissmore, Charles Harry, 37 ed Coeur d'Alene
Dissmore, Chester Harper, 39 jc Kamiah
Doane, Emery David, G S....Grangeville
Doane, Emma Minton, G S....Grangeville
Dobbs, Evert Allen, 36 ee....Nampa
Dobler, Clifford Irvin, 38 jc....Worley
Dodds, Peter Fabian, 38 jc....Sandpoint
Dodge, Robert Gray, 39 jc....Boise
Dokken, Elmore Melvin, 39 ch Nezperce
Dole, Dorothy Perkins, S 36 a Lewiston
Doles, Ethel Evelyn, G S Havre, Mont.
Doll, Gilbert Bushnell, 38 f....Ontario Calif.
Dollard, Ellen Lucille, 37 ed....Boise
Dolphin, Alma Laura, S....Emmett
Donley, Richard Warren, 38 ee Grimes Pass
Donnelly, Elnora, S....Salmon
Donovan, John Patrick, 39 jc....Bovill
Dorsey, George Henry, 39 me....Nampa
Douglas, James Robert, 39 jc Stanwood, Wn.
Douglas, John Franklin, 36 f....Gilby, N. Dak.
Doupe, Woodrow William, 38 f....Desmet
Doyle, James, 37 s....Wallace
Draisey, Glen Leo, 39 ed....Mitchell, S. Dak.
Drake, Frances Grace, 37 a Bonners Ferry
Dresser, Donald Adelbert, 39 jc Lewiston
Dresser, Marion Cross, G S....Spokane, Wn.
Drew, Cyrus John, 37 med....Wallace
Driscoll, Charlotte Maxine, 39 jc....Troy
Driscoll, Jean Margaret, 39 jc....Troy
Dropick, Michael, 38 jc Hartford, Conn.
Drury, Miriam Leyrer, S....Moscow
Dryden, Marshall Howard, 38 jc Meadows
DuBois, Lauriston J., G a....Moscow
Dudley, Robert Erle, 38 jc....Kellogg
Dunagan, Thomas Patrick, 39 ed Wilder
Dunbar, Forrest Fred, S....Buhl
Duncan, Robert Cree, 38 ae....Nezperce
Dunham, Harriet Foote, 37 a....Boise
Dunkle, Jean Eleanor, 38 jc....Kellogg
Dunkley, Mack Lester, 39 ag....Whitney
Dunn, Alfred Charles, 36 a....Twin Falls
Dunn, Alice Marjorie, 37 b Fort Mills, P.I.
Dunn, Robert Emmet, 39 me....Hope
Dunne, Sister Annunciata, G S....Moscow
Durant, Verla Burwell, 39 jc....Weippe
Durbin, Edna Ladine, G S....Troy

Durbin, Mildred Lucille, S.....Troy
Durfee, Angie, S.....Shoshone
Durham, Harold Alderson, 39 ee Gooding
Durham, Ora Lucille, 36 b.....Gooding
Dusenberry, Lucile, S.....Weiser
Duvall, Everett Wellman, 38 f Creston, Wn.
Dwight, Harriette, G.....Moscow
Dwight, Marian Frances, 39 jc....Moscow
Dwyer, John Clark, 37 a....Coeur d'Alene
Dyer, Jack Newton, 37 b....Grangeville
Dyer, John Armond, 37 f.....Berkeley, Calif.

E

Eames, Donna Geddes, S 36 ed Preston
Eames, John Wesley, S.....Rigby
Eames, Veda Geddes, 39 jc.....Preston
Eames, Wendell Geddes, 39 ag....Preston
Eastburn, Marian Eleanor, S 37 ed Moscow
Eastburn, Maxine Helen, 37 ed Moscow
Ebel, Sister Mary Angela, 39 ed Moscow
Eberhard, Ernest Jr., G S.....Preston
Eberhard, Nevon Olsen, S.....Preston
Ebert, Robert Beatty, 38 jc Bremerton, Wn.
Echternach, Eleanor Louise, 36 a Lewiston
Echternach, Mary Margaret, 36 a Lewiston
Eckenberg, Robert Karl, 40 f Alhambra, Calif.
Eddington, Elmer Dalling, '39 ed Sugar City
Eddington, James Altos, 39 ag....Carlo Mont.
Eddy, John Courtney, G S A ed Potlatch
Edelblute, Arthur, S.....Rathdrum
Edelblute, Walter Glenn, 37 ee Rathdrum
Edgley, Farris Leo, S.....Pocatello
Edin, Ralph James, 38 f Pine City, Minn.
Edlefsen, Clisby Thatcher, G S A ed Boise
Edmister, Olive Merritt, G S A ed Vay
Edwards, Douglas Fassett, 39 f Beverly, Mass.
Edwards, Herbert Mason, 39 ag New Plymouth
Egan, Marian Margaret, S.....Potlatch
Egbert, Margaret, G S.....Logan, Utah
Eggers, Velma Mae, 39 jc.....Post Falls
Eggert, Ruth Louise, 38 jc Spokane, Wn.
Eiden, Agnes Mary, 38 ed.....Boise
Eisinger, Neva Johanna, S 38 ed Moscow
Ekstein, Elsie Lorraine, 39 jc.....Nampa
Elder, John Milton, 39 ch Coeur d'Alene
Eldredge, Frances, 38 ed.....Carey
Eldridge, Hugh Wallace, S 36 a Moscow
Elison, Charles Glenn, 39 jc.....Oakley
Elkins, Kenneth Virgil, 39 jc.....Buhl
Elledge, Paul C., 38 f Lava Hot Springs
Ellerson, John Elsmer, 37 ag.....Boise
Elliott, Ann Lona, 37 a.....Rexburg
Elliott, Edward Gregory, 38 jc.....Boise
Elliott, George Lorenzo, 39 jc.....Oakley
Elliott, Jessie Dorothy, 38 jc.....Boise
Elliott, Mildred Florine, 36 ed Spokane, Wn.
Ellis, Guy Tom, 39 ed.....Spokane, Wn.
Ellis, Irwin Deforest, 37 f Watertown, S. Dak.
Ellison, David, 39 jc.....Bovill
Elsensolm, Sister M. Alfreda, G S Cottonwood
Elvy ,Delbert Crawford, 39 ee Lewiston
Emery, Karl Banard, 39 jc.....Kendrick
Emery, Kathryn Louise, 38 jc Kendrick
Enders, Bessie Ingalls, S.....Post Falls
Engen, Harold C., G S....Coeur d'Alene
English, J. Orville, 39 ag.....Parma
English, James Cyril, 38 jc.....Wallace
Enlow, Audrey, G S G a.....Tahlequah, Okla.
Ennis, Paul Byrne, 38 jc.....Pocatello
Ensign, Lela May, G S A.....Hines, Ill.
Ensign, Lewis Plank, 38 law.....Boise
Erickson, Evelyn Isabel, S.....Blackfoot
Erickson, Everett Russell, G S A a Juneau, Alaska
Erickson, Fern Vaverly, 37 ed....Genesee
Erickson, Glen Howard, 38 ed....Genesee
Erickson, Linne, 37 ce.....Pocatello
Erickson, Robert Arthur, 39 f.....Gibbs
Erickson, Taimie Esther, 38 mus.ed Coeur d'Alene
Erikson, Arval Lewis, 37 ag.....Rexburg
Erickson, Boyd Essington, 37 ed Genesee
Esmay, Doris Wunderlich, 38 jc St. Maries
Esmay, Kenneth Eugene, 38 a St. Maries
Espe, Patricia Napina, 36 ed.....Burley
Espe, Vola-Claire, 38 jc.....Burley
Espeland, Hans, 39 jc.....Moscow
Estes, Hazel Simonds, G a.....Moscow
Eubanks, Grace Norine, 39 jc....Moscow
Eubanks, Wayne Thomas, 38 jc Bowmont
Evans, Clifford Curtiss, S.....Murtaugh
Evans, David Lloyd, 36 b.....Malad
Evans, David Wesley, 36 b Scranton, Pa.
Evans, Earl Orvid, 38 ag.....Malad
Evans, Harold James, G S A ed Rathdrum
Evans, Iva Margaret, 39 ed....Twin Falls
Evans, Jerome, 38 f....Lava Hot Springs
Evans, Jessie Ruth, 36 ag.....Weiser
Evans, John Coffin Jr., 37 med Ogden, Utah
Evans, Katherine Fahey, S.....Murtaugh
Evans, Lorenzo Lloyd, 39 jc Grangeville
Evans, Rhoda Louise, G S.....Downey
Evans, Viola Christina Weidman, G S A a Boise
Evans, Virgil Jenkins, G S A ed Samaria
Every, Robert Wilson, 38 ag.....Billings, Mont.
Ewasen, Millicent, S 36 ed.....Moscow
Ewasen, Olga, 36 a.....Moscow
Exleton, Bernice Evelyn, 38 jc Twin Falls
Exleton, Eileen, 38 ag.....Twin Falls

F

Fahrenwald, Arthur William, 39 met.e Moscow
Faick, John Nicholas, G g.....Sandpoint
Fails, Herman Clark, 38 a.....Boise
Fails, Wesley Alfred, 38 ee.....Rupert
Fairbairn, Phyllis Abel, 38 ed....Weiser
Fairbanks, Carroll Everett, G a Moscow
Farber, Frank, 39 ce.....Moscow
Farber, Gretchen Louise, 39 jc Moscow
Farley, Ruth Frances, 36 a.....Cabarton
Farmer, Helen Marguerite, 36 b Pocatello

Farquhar, John Thomas, 37 law Spokane, Wn.
Fattu, John, G S A ed....Kellogg
Fattu, Mary Dorothy, 38 ed....Kellogg
Faulkner, Carolyn Louise, 38 ed Moscow
Faulkner, Willard, 38 ch....Moscow
Faurot, Frank Seymour, 39 jc....Weiser
Fawcett, Wilbert Davis, 39 f Brookville, Pa.
Featherstone, Marion, G S....Moscow
Featherstone, William Hall, 37 a Wallace
Fehr, Norman Eric, 38 ee....Lewiston
Felton, Robert Theodore, 36 ed Lewiston
Felton, Thomas High, 37 law Lewiston
Fenton, Grace Ellen, 36 ce Horseshoe Bend
Fergus, Leone, 38 ed....Boise
Ferguson, Maud, G S....Dayton, Wn.
Ferguson, Troy William, 39 me Spokane, Wn.
Ferney, Ruth, 36 a....St. Anthony
Fiedler, William Bernard, 39 ag Moscow
Fifield, Laura Peters, G S....Weston
Fike, Arthur Ray, G S....Moscow
Finch, Robert Clearance, 37 b Soda Springs
Finkelstein, Morris, 38 law....Syracuse, N.Y.
Finklea, Richard Malcolm, 38 jc....Boise
Fisch, Cecil Ernest, G S A ed....Payette
Fischer, Dorothy Olive, S....Lewiston
Fischer, Louise, S....Lewiston
Fischer, Richard Harry, 39 jc Coeur d'Alene
Fisher, Alice Irene, S 37 a....Post Falls
Fisher, Beatrice Jane, 38 ed....Weiser
Fisher, Charlotte Anna, 38 jc....Dudley
Fisher, Harold Evans, G S A Twin Falls
Fisher, James Homer, 38 jc Idaho Falls
Fisher, Merle Clinton, 37 ed....Sequim, Wn.
Fisk, Bert, G ed....Orofino
Fisk, Doris Aurelia Weeks, 39 ed Orofino
Fitzgerald, Kenneth, 38 f....Peola, Wn.
Fitzke, Paul Bob Frederick, G S A ed Scranton, Pa.
Fitzpatrick, Fred Anthony, 39 f Idaho Falls
Flechtner, Alfred Gustav, 39 jc....Jerome
Fleener, Myrtle Jeanette, 39 jc....Moscow
Fleiger, Earl, 38 jc....Moscow
Fleming, June Elizabeth, 37 h....Baker, Ore.
Flenner, Esther Regina, 37 ed....Boise
Flink, Marjorie Eleanor, 38 ed....Wallace
Flint, Weldon Collins, 36 med Cottonwood
Floyd, Lloyd Ivan, 36 ch....Lewiston
Fluharty, Dean Milton, 38 jc....Moscow
Fluharty, Rex Gilbert, 39 jc....Moscow
Flynn, Mary Loretta, S....Boise
Fogarty, Jerry Joseph, S G ed....Wilsall, Mont.
Fogle, James Gerald, 36 ce....Moscow
Fogle, John Leslie, 39 f....Moscow
Folsom, Lewis Lee, 38 f....Boise
Folz, Carolyn Atkins, G....Moscow
Forbes, Robert Hall, 39 f....Cleveland, Ohio
Ford, John Donald, 38 jc New Haven, Conn.
Fore, Orlando, 36 f....Pocatello
Foreman, Ellsworth Dwight, 39 jc Kamiah
Forkner, Fervid Viola, S 37 b....Moscow
Foster, Edward Grove, G S A ed Hailey
Foster, Eva Elizabeth, S....Harrison
Foster, Mary Ruth, S....Harrison
Foster, Ralph Ellsworth Jr., 39 ed Perry, Okla.
Fountain, Ogden, 39 jc....Forest
Fowler ,Margaret Louise, S 36 ed P ed Twin Falls
Fowler, Ralph Marion, 39 f....Moscow
Fowler, Virginia Marion, S....Driggs
Fowles, Eli Russell, S....Burley
Fox, Richard Anthony, G....Moscow
Francis, Jean Harriet, 39 ed....Moscow
Francisco, Charles Clark, 39 ag....Rupert
Franson, Doris Elvina, 39 ed....Stibnite
Frasier, William Eugene, G S....Payette
Frazier, Elodease Agnes, 39 ed....Moscow
Frazier, Wesley LeRoy, 37 ed....Moscow
Free, Wilbur Allen, 39 f Homestead, Fla.
Freebairn, Willard Green, G S Salt Lake City, Utah
Freehafer, Emerson William, 39 jc Moscow
Freehafer, Rose Ethel, 38 jc....Moscow
Freeman, Charles Eugene, 37 b....McCall
Freeman, Gertrude Vantine, S Soda Springs
Freer, Ross Vooris, S....Burley
Frei, Albert Henry, 39 ce....Ferdinand
Fremstad, Liston Joseph, 39 jc....Burley
Freseman, Keith Alan, 39 jc....Malta, Mont.
Frevert, Rachel Elizabeth, 39 jc Smith River, Calif.
Frey, Robert, 38 f....Lodi, Calif.
Friend, Gail Elizabeth, 37 ed....Moscow
Fries, Valletta Margaret, 40 jc Spokane, Wn.
Friesen, Edwin Walter, 39 ag American Falls
Frisch, Lawrence Vaughan, 36 me G me Lewiston
Fritz, John Leonard, 38 f....Kellogg
Frost, Myrl Albert, 37 ed....Warren
Fry, Mildred McKay, S....Cascade
Fry, Wilfred Washington II,37 a Prosser, Wn.
Frye, Jack Douglas, 38 ed....Weiser
Fryer, Russell William, 37 ch....Preston
Fudge, Richard Kenneth, 39 g....Wardner
Fuller, Donald Hugh, G S....Columbia, Utah
Fuller, Frank Bruce, 39 jc....St. Maries
Fuller, John Paul, 38 a....Sprague River, Ore.
Fulton, David, 39 ag....Eden
Fulton, Lester Rutherford, 39 f Priest River
Fulton, Marybelle, S 36 a....Moscow
Furchner, Thomas Carl, 38 jc Blackfoot
Furchner, William Howard, 36 law Blackfoot

G

Gabby, Charles Elliott Jr., 39 ag Moscow
Gabby, Elizabeth Eleanor, 38 ed Moscow
Gabby, Stella Maxine, 37 mus.ed Moscow
Gaby, Lewis Philip, 38 jc....Kellogg
Gaffney, Leonard Gillman, 36 b Weippe
Gagon, George F. Jr., 36 ce....Idaho Falls
Gail, Harold Telford, 37 ed....Moscow
Galbraith, Marlin C., 37 f....Thornton
Galbreaith, Robert Berry, 38 ee....Boise
Galloway, James William Jr., 39 jc Boise

Galloway, Ruth McCoy, G S.....Weiser
Gallup, Genevieve Blanche, 39 ed Moscow
Gamble, Perry Clay, 38 jc.....Greer
Gannon, Arthur J., 39 ed.....Buhl
Gannon, Wendell, 38 ag.....Buhl
Gardner, Genevieve Ruth, 36 ed Moscow
Gardner, Grace Isabel, 38 ed....Moscow
Gardner, Leone, G S.....Fairfield
Gardner, Richard Booth, 39 jc Midvale, Utah
Gardner, Robert Bruce, 37 ag....Gooding
Garets, Wallace Earl, 38 mus.ed Grangeville
Garrett, Hayden DeMers, 39 jc Spokane, Wn.
Garrett, Samuel Bond, 36 s....Pocatello
Garrison, Charles Louis, 37 ee....Moscow
Garrison, Mary Shepherd, 37 ed Moscow
Garten, Wilbur Vernon, 39 f Winchester
Garvin, Madeline Adda, S.....Pocatello
Gascoigne, Emily Ruith, 37 ed Seattle, Wn.
Gaskill, John Leonard, 38 jc.....Burley
Gauss, Joseph Henry, 38 me.....Moscow
Gauss, William Henry, 36 me....Moscow
Geddes, Barbara, 36 ed.....Winchester
Gee, Cleon Ether, 38 f.....St. Anthony
Gehrke, Ethel Pauline, 38 jc.....Moscow
Gehrke, Gertrude Grace, 37 mus.ed Moscow
Gehrke, Maybelle Marie, G S....Moscow
Gentry, Fred Lenard, 39 ag.....Filer
Gentry, Hazel Florence, S 37 b Wallace
Gentry, Hester Faustina, 39 ed....Wallace
George, Jerry Paul, 39 jc.....Blackfoot
Geraghty, Cyril Lawrence, G ed Spokane, Wn.
Geraghty, Marcella Marie, 39 jc Spokane, Wn.
Geraghty, Wallace Norbert, 36 b Spokane, Wn.
Gerry, Madaline Margaret, 38 mus.ed Rathdrum
Gessel, Henry Brandt, 38 jc Spokane, Wn.
Gibbs, Beatrice Ellen, 37 b.....Moscow
Gibbs, Cecelia Marie, 38 ed.....Moscow
Gibbs, James Paul, 38 me.....Lewiston
Gibler, Mildred Viola, S.....Kamiah
Gibson, Isobel Victoria, G S.....Victoria, B.C., Can.
Gibson, Marjorie Dale, 37 a....Lewiston
Giese, Alfred E., 37 ed.....Juliaetta
Gifford, Arthur LaMont, S....Idaho Falls
Gifford, Hannah Pearl, 39 jc.....Boise
Gigray, William Franklin Jr., 38 jc Caldwell
Gillenwater, Ida May, 39 jc.....Boise
Gillett, Laurence A. Jr., 38 ag.....Delco
Ginder, Marian Isabel, S 36 ed P ed Moscow
Givens, Raymond David, 39 jc.....Boise
Gladhart, David Frederick, 39 ag Payette
Glasner, Charles H., G S A ed New Plymouth
Glenn, Marjorie Ellen, 38 jc.....Hailey
Goemmer, Robert Alvie, 38 ag....Jerome
Goenne, Frederick William, 36 f Davenport, Wn.
Goetz, Louis Paul, 38 ee.....Shelley
Goldsmith, Howard Fulton Jr., 36 b Pocatello
Goodell, Floyd Kent, 38 ce.....Salmon
Goodman, Mary Lorraine, 39 jc....Hope
Goodsell, Gordon Hoopes, 39 ag Weston
Goodsell, Lee Wilson, 38 ag.....Weston
Goodsell, Orval Eugene, G.....Weston
Goodwin, Betty Lenore, 36 ed Harrison
Gordon, William Howard, 38 jc....Avon, Ill.
Gosling, Kenneth Reginald, S 37 f Moscow
Goss, William Winston, 38 s.....Kellogg
Gossett, Vernon Orlin, 38 jc.....Moscow
Gotzinger, Rita Isabel, 40 jc.....Pollock
Gould, Virgil Adelbert, 37 f.....Buhl
Gove, Eldene Marie, 37 ed.....Buhl
Grabner, Floren Alden, G S A ed Wallace
Grabner, Wayne Elroy, 38 ag New Plymouth
Graham, Eleanora Angeline, 39 ed Grangeville
Graham, Eugene Earl, 38 ch.....Payette
Graham, John Roop, 39 me.....Payette
Graham, Kathryn Jean, 37 s.....Peck
Graham, Marian Eloise, 36 b Twin Falls
Grange, Arthur Hollis, G S A McCammon
Granville, Robert Richey, 38 jc....Mullan
Gray, Jack Burton, S.....Twin Falls
Gray, Roy Brockway, 38 b....Twin Falls
Gray, Winton Schoonmaker, 39 ed Buhl
Greco, Verneldo A., 36 f American Falls
Greek, Norvin Ellsworth, 39 me Nezperce
Green, George Harold, 39 ce Nelson, B.C., Can.
Green, Leon Grant, 37 ed....McCammon
Green, Merrill, 36 b.....Moscow
Greene, Olen Dean, 38 ed.....Glendale, Calif.
Greene, Olga Allston, 38 jc.....Barber
Greene, Robert Fulton, G ed.....Moscow
Greenough, Richard McDonald, 38 a Spokane, Wn.
Greenway, Gordon Harry, 38 f....Parma
Greer, Joseph Hugh, 37 ee.....Potlatch
Gregory, Sidney Earl, 39 me Palouse, Wn.
Greider, Robert Louis, 39 ed....Lewiston
Greiner, Richard Rayome, 39 jc Harrison
Gridley, James Huntington, 39 jc Coeur d'Alene
Grieve, John Leon, 38 min.....Dietrich
Griffin, Roy Isaiah, S.....Bellevue
Griggs, Ruth Irene, 38 b.....Twin Falls
Grimes, Neva Ann Drury, S.....Moscow
Gripton, Charles Forrest, 39 min South Center, Kans.
Gripton, David LaMonte, 39 min South Center, Kans.
Grogan, George Richard, 39 f Kaukauna, Wis.
Groome, Margaret Aileen, 37 ed Twin Falls
Grootes, Alma Mae, G ed.....Kimberly
Groseclose, Blondell Eugene, 38 ed Juliaetta
Grover, Don Ricks, 37 b.....Rexburg
Grover, Iola Marie, 36 ed.....Fruitland
Groves, Bruce Vernon, 36 f.....Moscow
Gudmundsen, Dick D., 39 jc.....Burley
Guthrie, William Wayman, 38 ag Emmett
Guy, James Douglas Carmichael Jr., 37 ee.....Sandpoint
Gwinn, Barbara LaRue, 39 ed.....Boise

H

Haasch, Donald Ernest, 36 ee Twin Falls
Haasch, Marie, 38 jc Twin Falls
Hackbarth, Earl Capellen Jr., S Hampton, Ia.
Hadley, Lita May, S Rupert
Haecker, Alma Ethel, S Hope
Hagadone, Vivian, 38 ed Coeur d'Alene
Hagedorn, Chester Lee, 37 f Buhl
Hager, Reuben W., 36 ed Moscow
Hahn, John Emil, 37 b Twin Falls
Haight, Forence DeKlotz, S Burley
Hale, Olive, G S Blackfoot
Hale, Virginia Pearl, 37 h McCammon
Haley, Jennie May, S Boise
Hall, Albert John, 36 ee Moscow
Hall, Charles Woodrow, 38 ed Moscow
Hall, Richard Chase, 39 ee Coeur d'Alene
Hall, Rose Gladys, S 36 h Moscow
Hall, Samuel Junior, S 38 jc Rexburg
Hall, Samuel Preston Jr., 39 jc Moscow
Hall, Stanley Rowland, G me Winchester
Hallberg, Clarence Oscar, 38 jc Blackfoot
Haller, Helene Katherine, S St. Maries
Haller, Robert Blum, G s Twin Falls
Haller, Ruth Marie, 37 a Twin Falls
Hallett, Noel Lyman, 38 f Council
Halm, Samuel, 36 b Honolulu, Hawaii
Halverson, Ernest Otis, 39 jc Orofino
Hamacher, Mary Elizabeth, S Spirit Lake
Hamilton, Ora, S Sugar City
Hamm, Floyd Scott, 38 f Lake View, Ia.
Hamm, Harley Herbert, 36 f Lake View, Ia.
Hammerand, Veral Franklin, G g Harlan, Ia.
Hammerlund, John Moody, 39 jc Spokane, Wn.
Hampf, Frederick Eugene, 37 f Garfield, N.J.
Hampton,, James Albert, 37 a Blackfoot
Hampton, Wayne Wendell, 36 ed Genesee
Handley, Thatcher, G S Preston
Handy, Don M., 39 f Preston
Handy, George Harmon, 38 jc Kellogg
Hanford, Mabel Bithell, G S Pierce
Hanford, Roy Edwin, 36 med Boise
Hannah, James John, 36 b Orofino
Hannah, Margery Elizabeth, G S A ed Orofino
Hanrahan, Margaret Louise, 36 a Lewiston
Hansen, Afton Elwin, 39 ag Shelley
Hansen, Margaret Blanche, 38 jc Coeur d'Alene
Hansen, Margit, 39 jc Juneau, Alaska
Hansen, Rodney Alton, 36 ag Shelley
Hansen, Ruel Mertin, 38 ag Shelley
Hanson, Russell Robert, 39 ag Payette
Hanson, Swen, 38 f Ione, Wn.
Hanzel, Dorothy Lillian, S 36 ed Burley
Hanzel, Oliver Charles, 39 jc Rupert
Harder, Richard Benthey, 40 f Spokane, Wn.
Hardin, Emma Gail, S Boise
Harding, Arthur Glenn, 40 me Grangeville
Hardison, Felix Moses, 37 a Wallace
Hardman, Louida Orene, S Peck
Harland, Manford Boyd, 38 ed Troy
Harland, Raymond Virgil Jr., 38 ee Troy
Harmer, Mary Edna, 39 jc Lewiston
Harness, Theodore Roosevelt, 39 ch St. Maries
Harper, Rachel Elizabeth, S Nampa
Harper, Wayne Frederick, 36 ag G ag Emmett
Harrell, Joe Edrington, 39 f Lamesa Texas
Harrigan, Gwendolyn Elizabeth, 38 jc Avery
Harrington, John Daniel, 38 ee Moscow
Harris, Charles Eric, 39 ce Payette
Harris, Don Cole, 38 b Rexburg
Harris, Ilah Pearl, S Grangeville
Harris, Jack DeWitt, 39 jc Kellogg
Harris, Myrle Eileen, 38 jc Plummer
Harris, Raymond Kenoyer, G S Genesee
Harris, Robert Winston, 36 ed P ed Plummer
Harris, Walter Martin, 39 ce Moscow
Harrison, Blanche, S Downey
Harrison, Dorothy Rae, 38 ed Sugar City
Harrison, Eveard T., 38 ag Downey
Harrison, Lillie LaVon, S Sugar City
Hart, Alfred B., G S Bloomington
Hart, Claude, 38 ed Sandpoint
Hart, Dorothy LaBelle, 38 jc Moscow
Hart, Miriam Edith, 38 jc Buhl
Hart, Sylvan Ambrose, G Dixie
Hartley, Leslie Earle, G ed Laurel, Mont.
Hartvigsen, Elmer J., G S A ed Downey
Hartwell, Kelvin Delmont, G S Meridian
Harvey, George Orestus, 36 ed Orofino
Harvey, Jane Ann, 39 jc Spokane, Wn.
Hassan, John Frederick, 39 ed Boise
Hassel, Frank, 39 min Chicago, Ill.
Hassinger, Richard Wilton, 39 f Gifford
Hatfield, Betty, 36 b Moscow
Hatley, Owen Paul, 39 jc Coeur d'Alene
Hatton, John McLaughlin, 38 law Tonopah, Nev.
Hattrup, Hubert E., G Moscow
Hattrup, Pauline Terhaar, 38 jc Moscow
Hauck, Forrest Robert, G s Montpelier
Hauck, William Jacob, 36 ee American Falls
Hauff, Viola Magdalene, G S Merrill, Ia.
Hawk, Myrle Evelyn, 39 ed Coeur d'Alene
Hawkins, Sheldon Andrew, G S A ed Elk River
Hawks, Ruth Combs, G S A ed Weiser
Hawley, Annette Lucile, 39 jc Moscow
Hawley, Calypso, 39 mus.ed Melba
Hayden, Margaret Emma, S Ferdinand
Hayden, Russell J., 39 min Moscow
Hayes, Carlene Smith, 40 jc Moscow
Hayes, Earl Thomas, G met.e Moscow
Haynes, Helen, 36 ed Moscow
Haynes, Robert Chase, 38 ag Coeur d'Alene
Hays, Glen LaValley, G s Moscow
Hays, John Fred, 36 f Nampa
Hays, Monroe Ward, 37 ag Filer
Heady, Harold Franklin, 38 f Buhl
Healy, Virginia Mary, 38 ed Spokane, Wn.
Heaney, Samuel James, 38 f Sterling
Heap, Morgan Griffin, 38 ce Twin Falls
Hearn, Roderic Willson, 38 jc Potlatch
Heath, Flora Effie, S Myrtle
Heath, Frances Elizabeth, 38 jc Garfield, Wn.
Hebert, William Joseph, 39 jc Lewiston
Heckathorn, Mary Ellen, G Moscow
Hedglin, Clara Bell, G S Durham, Calif.
Hedin, Gustave Carl, S Preston

Hegsted, David Mark, S 36 ag....Rexburg
Heick, Chester LeRay, 39 jc.....Moscow
Heikkila, Norman Sylvester, 39 ed
Mullan
Heiner, Helen Ruth, 38 ed....Sandpoint
Heinzerling, Jack Milton, 36 ed
Culdesac
Heist, Mary Evelyn, 36 h.....Shoshone
Heizer, Clinton Roscoe, 39 ag.....Wilder
Heller, David Otto Jr., 39 jc.....Gooding
Helm, Virginia Grace, 38 ed.....Boise
Helmers, Austin Edward, 39 f....Wallace
Helmholz, Angeline Louise, 39 ed
Sandpoint
Hemperly, John Harry, 39 ee....Lewiston
Henderson, George Miles, 36 ed
Lewiston
Henderson, Minnie Eleanor, 38 ed Boise
Hendricks, Grover Albert, 39 jc Rexburg
Hendrix, Daniel Lester, 39 ae Meridian
Henggeler, John Alfred, 36 b.....Payette
Henley, Dwight Lowell, 37 ag Aberdeen
Henriksen, Helen Love, 37 ed Lewiston
Henry, Merrell Cole, 37 ce.....Rigby
Hensley, Clyde Rolland, 38 a....Ahsahka
Hergesheimer, Ida, S....Mountain Home
Herndon, Joe Warren, 37 a.....Salmon
Herron, Eugene Burton, 39 jc.....Filer
Hersey, Ronald Bruce, 37 b.....Lenore
Hesby, Margaret Elizabeth, 39 jc Deary
Hesby, Marie Theodora, 37 a.....Deary
Hetzler, John Lewis, 38 ed.....Lewiston
Hiaring, Philip Carleton, 36 a.....Nampa
Hicks, David Loren, 37 ed.....Boise
Hicks, Hillard, 39 ed.....Shoshone
Higgins, Frank Martin, 36 b Colton, Wn.
Higginson, Leland Cyril, 37 f Bancroft
Hilgren, Avald Hugo, 39 jc
Coeur d'Alene
Hill, Alberta Dee, 39 jc.....Emmett
Hill, Donald Edward, 39 me.....Wilder
Hill, Frank Richard, G S.....Moscow
Hill, Helen Margaret, 39 jc....Spokane, Wn.
Hill, John James, 39 f.....Mullan
Hill, Kenneth Lawson, 39 ae.....Sweet
Hill, Kenneth Lynn, G S Menard, Mont.
Hill, Wayne R., 37 b.....Moscow
Hilliard, Billie Louise, 39 ed Idaho Falls
Hillman, Gordon John, 39 ee.....Boise
Hillstrom, Arthur Carl, G S Marshfield, Ore.
Himes, Mildred Louise, 36 h Post Falls
Hinchliff, Paul, G S.....Roberts
Hintze, Vaughn Arval, 36 ag.....Mackay
Hipol, Emiliano Gapazin, 36 ag
Paringao, Bauang, La Union, P.I.
Hirschler, Philip Sheridan, S 36 ed
Rupert
Hitchcock, Illa Lazelle, G S Chico, Calif.
Hitt, Wright, 39 f.....Kansas City, Mo.
Hobbs, Frances Crystal, 39 jc Millwood, Wn.
Hobbs, Morgan Forbes, 37 f Millwood, Wn.
Hockaday, Louise Howard, S.....Rupert
Hodgson, Grant Baker, 37 me....Newdale
Hodgson, Mary Bingham, G S Logan, Utah
Hodson, Helen LoRene, 39 jc.....Moscow
Hoebel, Ada Marcia, 38 jc.....Arco
Hoffman, Dwight Spear, 37 ch....Leland
Hoffman, Edward Garey, 36 med
Moscow
Hogaboam, Gilbert Porter, 37 ag
Culdesac
Hogge, Robert, 39 ag.....Sugar City
Hogue, Carl Lambert, 38 min....Burley
Honhorst, Dorothy Margaret, 37 h
Hazelton
Hokanson, Edward William, 38 ce
Spokane, Wn.
Holden, Dorothy Faye, 40 mus.ed Boise
Hollinger, Harvey Carl, S 36 ag....Paul
Hollinger, Melvin Warren, 38 ag....Paul
Hollingsworth, Joey Young, 39 ed
Colfax, Wn.
Holm, Ellen Marie, 39 ed Butte, Mont.
Holmes, Leslie Harold, 36 ed.....Nampa
Holt, Dorothy Marie, S 36 b.....Moscow
Holt, Everett Alfred, 39 jc Hayden Lake
Holte, Jewel Lorraine, 38 ed
Coeur d'Alene
Holzer, Joseph John, 38 jc.....Rathdrum
Homan, Neva Genevieve, 39 jc Payette
Honsowetz, Gerald Conrad, 38 jc
Harrison
Honsowetz, Russell Edward, 36 ed
Harrison
Hoopes, Ralph Clark, 39 jc.....Rexburg
Hoover, Jacqueline Mahrea, S—Chicago Ill.
Hoover, Maurice Ogden, S Chicago, Ill.
Hopkins, Marie Hayes, 39 jc.....Moscow
Hopkins, Winifred McNair, G S
Spokane, Wn.
Horlacher, Fred Charles, 38 law Moscow
Hornby, William Edward, 39 jc
Meridian
Horton, Betty Jane, S 36 n.....Moscow
Horton, Edith Louise, 37 mus.ed
Spokane, Wn.
Horton, Florence Thuesen, 38 jc
Spokane, Wn.
Hossfeld, Ralph Lowell, 37 ch....Moscow
Houston, Elizabeth, 37 h.....Emmett
Houston, Irene, G S.....Panguitch, Utah
Howard, Charles Warner, 38 f....Moscow
Howard, Frank Lee, 37 ch.....Buhl
Howard, Mark Rowe, 39 jc.....Riggins
Howard, Ward Conrad, 36 law....Kellogg
Howarth, Georgina Hannah, 37 h
Glenns Ferry
Howe, Don Philip, 36 ag Bonners Ferry
Howell, Ferne S., G S.....Clifton
Hoye, John Henry, 39 f....Los Angeles, Calif.
Hoyt, Devereaux Garrard, 39 jc
Beverly Hills, Calif.
Hoyt, Eleanor Lee, 37 b.....Lewiston
Hubbard, Corlys Leroy, sp jc
Lodgepole, S. Dak.
Hubbard, Howard Chester, 36 ed P ed
Hansen
Hudson, Cleta Charlotte, 38 mus.ed
Gooding
Hudson, Glen Lyle, 37 ag.....Gooding
Hudson, William Wallace, 37 g.....Boise
Hudson, Woodrow Kay, 37 b
St. Anthony
Huff, Martin Van Buren, 39 jc....Moscow
Huggins, Harley Eugene, 36 ed
Craigmont
Hughes, Charles Homer, 38 ae....Wendell
Hughes, Charles Lester, 39 jc....Moscow
Hughes, Claude Elmer, 38 jc.....Nampa
Hughes, Esther Evelyn, 39 jc....Moscow
Hughes, James Burnham, 38 jc..Moscow
Hughes, Wendell Jay, 39 jc.....Moscow
Huish, Florence Fowler, G S Idaho Falls
Huish, Howard Paul, G S....Idaho Falls
Hulett, Mary Lorraine, S 38 jc....Moscow
Hulme, Benjamin F., G S.....Paris

Hulquist, Robert Granell, 38 f Los Angeles, Calif.
Hume, Earl Sye, 39 f.....Gooding
Humphrey, Ben King, 38 ae.....Moscow
Humphrey, Carol Mae, 38 jc.....Moscow
Humphrey, Elmer Newton, 36 ae Moscow
Humphreys, Delcie May, S 38 jc Moscow
Humphreys, Robert Maxwell, 36 ge Moscow
Hungerford, Kenneth Eugene, 38 f Moscow
Hunt, Clare Edmund, 37 ag.....Emmett
Hunt, Donnell Hodge, G S....Southwick
Hunt, Edith Magdalen, 39 ed....Emmett
Hunt, Edwin Charles, 39 f.....Kuna
Hunt, Thomas Albert, G S G ed Moscow
Hunt, Vincent Frank, 37 ed.....Buhl
Hunt, Wynnie Smith, G S.....Southwick
Hunter, Clara, G S.....Bountiful, Utah
Hunter, Elra Lorn, A ed Spokane, Wn.
Hunter, James Harry, 38 ge....Sandpoint
Hunter, Julia Glenn, G S.....Moscow
Hunter, Mary Louise, S 40 jc.....Moscow
Hunter, William Algeo, S G ed Coeur d'Alene
Huntsman, Blaine, S.....Fillmore, Utah
Hurd, Howard Patrick, G S Seattle, Wn.
Hurley, Cecilia Kathleen, 37 b Montpelier
Huskey, Harry Douglas, 37 s Pocatello
Hustead, Luvern Paige, 38 ed.....Buhl
Hutchinson, Dorris Thelma, 39 ed Payette
Hutchinson, Jessie Edith, G S....Moscow
Hutchison, James Richard, 39 ed Coeur d'Alene
Hyatt, Vernon Rohn, 39 f Weston, Ore.
Hyde, Reed Tilton, G S A ed....Downey
Hymas, Max Willis, 39 ag.....Ovid

I

Iddings, Edward George, 38 ag....Peru, Ind.
Iddings, Mary Louise, 36 h....Peru, Ind.
Ingebritsen, Milford Stephen, A ed Moscow
Ingle, Alcie Eleanor, 36 ed.....Kendrick
Ingle, Betty Alene, 38 jc.....Kendrick
Ingle, Leoni Gail, 38 jc.....Kendrick
Ingle, Ronald Jordan, 39 ag....Kendrick
Ingvoldstad, Donald, G met.e Decorah, Ia.
Inman, Clyde Richard, 37 ed....Payette
Inman, Elbert Ellis, 37 ed.....Lewiston
Innis, James Alexander, 38 law Coeur d'Alene
Irvin, Frances Jean, 36 b.....Salmon
Irvin, Jack Howard, G S A ed....Mullan
Irvine, Vern William, 38 ch Idaho Falls
Irwin, Gladys Dale, S.....Juliaetta
Irwin, Hughey James, 39 ed.....McCall
Irwin, John R., G.....Murtaugh
Irwin, Joseph Ewing Jr., 39 jc Spokane, Wn.
Irwin, Leland Samuel, G S.....Juliaetta
Irwin, Mary Edith, 39 jc.....Weiser
Isenburg, Marion Jenny, 39 jc Idaho Falls
Iverson, Norman Lloyd, 36 ed Snoqualmie, Wn.
Iverson, Robert Harold, 39 jc Caldwell

J

Jackson, Bertha Ellen, 37 b....Grangeville
Jackson, Clair Merrill, 38 b Ogden, Utah
Jackson, Florence Ann, S.....Thornton
Jackson, Leslie George, 37 ag Gooding
Jackson, Ralph Wendell, S 37 ag Rupert
Jacob, Keith Warren, 38 f Orange, Calif.
Jacobs, Harold John, G S.....Moscow
Jacobs, Leo LeRoy, 38 f.....Sugar City
Jaggard, Rector Hesse, 36 b.....Wallace
Jahn, Helen Louise, G S.....Moscow
James, Andrew Frank, 38 jc....Gooding
James, Murva, 37 a.....Gooding
James, Raymond John G S....Blackfoot
Jansen, Benjamin Howard, 39 f Kimberly
Jansen, Charles Henry, 37 ch Alton, Ia.
Janssen, Ada Jones, 36 ed.....Moscow
Jarboe, Sister Mary Francis, S 39 ed Moscow
Jarlett, Oscar Joseph Jr., 37 b Watertown, Conn.
Jay, Eugene Arthur, 38 ed.....Aberdeen, Wn.
Jaynes, Frederick Albert, 40 ce Osburn
Jean, William Andrew, 37 ag....Hazelton
Jeffers, Dwight Nelson, 39 f.....Moscow
Jeffries, Allen Proctor, 36 ed....Gooding
Jeffries, Mary Agnes, G S.....Wallace
Jelinek, Rose Louise, 38 ed.....Orofino
Jenkins, Evelyn, 38 jc.....Twin Falls
Jenkins, Lloyd Harold, 39 jc.....Jerome
Jensen, Charles Freeman, 38 min Spokane, Wn.
Jensen, Henrik Arnold, 39 ag Blackfoot
Jensen, Marcus Lefgren, 38 b Idaho Falls
Jensen, Marion Louise, 38 mus.ed Melba
Jensen, Mark C., 38 ee.....Emmett
Jensen, Max C., 39 ee.....Emmett
Jensen, Ralph, 36 f.....Malad
Jensen, Robert Elmer, 37 med Moscow
Jensen, Roxy Elizabeth, 39 jc.....Melba
Jenson, James Theris, 39 jc.....Preston
Jenson, Lloyd Easton, 37 ed.....Preston
Jeppesen, Florence, 38 jc.....Driggs
Jeppesen, Joseph Elmo, 39 ag Rexburg
Jeppesen, Karl, 37 law.....Darlington
Jessen, Dorothy, G S.....Richfield, Utah
Jewell, Helen Louise, 38 ed.....Orofino
Jewell, Nina Mae, 38 ed.....Orofino
Jewett, Dean Gordon, 39 f Big Piney, Wyo.
Johns, Horace Beal, 39 jc Sioux City, Ia.
Johnsen, Joseph Frederick, G S Murray, Utah
Johnson, Alfred Carl, 39 f Spokane, Wn.
Johnson, Arnold Melvin, S 36 ed Coeur d'Alene
Johnson, Arthur Estel, 37 a St. Anthony
Johnson, Bertha Elaine, 39 jc Spokane, Wn.
Johnson, Beulah Mae, 38 jc.....Council
Johnson, Blanche Boling, S....Fort Hall
Johnson, Claude Gustaf, 39 ag Idaho Falls
Johnson, Donald Gust, 36 f Jamestown, N.Y.
Johnson, Donald LeRoy, 38 ed.....Troy
Johnson, Elmer Edward, 39 ae.....Peck
Johnson, Howard Elmore, 38 f Moscow
Johnson, Henry Robert, 40 f Clintonville, Wis.
Johnson, Irene Caroline, 38 ed Moscow
Johnson, Kenneth Eke, 36 ag.....Blunt, S. Dak.
Johnson, Lucia Louise, S 36 h....Council
Johnson, Margaret Ann, 39 jc....Moscow
Johnson, Margaret Lilly, 38 ed Spirit Lake

Johnson, Marion, 36 a.....Burley
Johnson, Maye Anita, G S.....Albion
Johnson, Olga Mary, S.....Payette
Johnson, Pauline Marie, S.....Boise
Johnson, Robert Holm, 37 f.....Malden, Mass.
Johnson, Rolland Otto, G S....Lewiston, Utah
Johnson, Russell Ray, 36 ee.....Moscow
Johnson, Ruth Hildreth, G S.....Moscow
Johnson, Thorvald, G S Blanding, Utah
Johnson, Thorwald Anthony, 39 me Harlen, Mont.
Johnson, Virginia Lee, 38 jc.....Moscow
Johnson, Walter Merrett, 39 jc Orchard
Johnson, Wayne White, G s.....Rigby
Johnson, William Lee, 36 ed.....Nampa
Johnston, Charlotte Lucile, 38 jc Plummer
Johnston, Donald Salven, 39 ae Plummer
Johnston, James Ellsworth, 39 ed Glendale, Calif.
Johnston, Rodney Porter, 37 a Payette
Johnston, Vera Marie, 38 ed Grangeville
Joice, Charles Bradley, 39 me....Moscow
Joice, Donald Kelly, 36 a.....Moscow
Joice, Robert Emerson, 38 b.....Moscow
Jones, Alton Boden, S 37 ed.....Weston
Jones, Archie Neff, G.....Moscow
Jones, Betty Carole, G S.....Wendell
Jones, Elma Florence, 38 jc....Kendrick
Jones, G. Ray, G S Spanish Fork, Utah
Jones, Gwen M., S Minneapolis, Minn.
Jones, John Elmer, 39 g.....Kellogg
Jones, Louise, S.....Malad
Jones, Marion Grace, S 36 ed Aberdeen
Jones, Maybelle Alice, S.....Moscow
Jones, Paul Allen, 37 ed New Plymouth
Jones, Paul Everett, S.....Twin Falls
Jones, William Wright, 38 me Glendale, Calif.
Jones, Winston Irving, 36 a....Twin Falls
Jordan, Mary Louise, 37 ed.....Downey, Calif.
Jordin, John Comstock, 38 jc.....Moscow
Jorgensen, William Ernest, 37 a....Boise
Joslyn, Alvin Wilfred, 37 b Glenns Ferry
Joss, Alexander, G.....Moscow
Joss, Hannah Lidgerwood, 38 law Moscow
Jouno, Russell John Jr., G S...Haas, Wn.
Joyce, Edward Frances, 38 ch.....Buhl
Jump, Roy William, 36 ee.....Wnchester

K

Kaaen, LaVern Tillman, S 39 mus.ed Troy
Kaczmarek, Ray John, 39 jc Milwaukee, Wis.
Kail, Kenneth Edwin, G S A ed....Filer
Kail, Lena Rogers, G S.....Filer
Kalbus, Mariette Seburn, 37 ed....Moscow
Kammeyer, Ruth Dorothy Louise, 39 jc Moscow
Kantola, Walter Arthur, 38 ag.....Arling
Kapel, Frank Joseph, 38 f Spokane, Wn.
Karshner, Rebecca, G S Valley City, N. Dak.
Kassens, Albert Henry, 38 ee Sandpoint
Katsilometes, William George, 36 ee Pocatello
Katzenmeyer, Eva Katharyn, 38 ed Emmett
Kauffman, Lyle Roy, 38 f New Plymouth
Kauffman, Paul Arthur, 39 f New Plymouth
Kay, Wanda Maurine, 39 ed.....Victor
Kearl, Chase DelMar, 39 ag.....Preston
Kearsley, Amy Ruth, G S.....Victor
Keaton, Clark Maurice, G S G s Pocatello
Keatts, Robert Neil, 39 jc.....Moscow
Keel, James Stanley Jr., 38 ed Twin Falls
Keeney, Jessie Lenore, S 36 mus.ed Moscow
Kehrer, Kenneth, 37 f.....Boise
Kehrer, Willard Scott, 38 ch.....Boise
Keil, Sadie Condit, S.....Gooding
Keith, Martin Lowell, 39 jc.....Culdesac
Kell, Lucile Lora, 37 ed.....Eden
Kelley, Artie Ellen, S.....Moscow
Kelley, Lawrence Charles, 39 jc Moscow
Kellogg, Leonard Burr, 39 f Flushing, N.Y.
Kelly, Clarence Ambrose, 39 jc Moscow
Kelly, Florence Genevieve, 39 jc Coeur d'Alene
Kelly, Sherman Newell, 37 ch Twin Falls
Kempton, Merrill Alvin, G S A ed Castleford
Kendall, Kathryn Mae, 36 ed Spokane, Wn.
Kennard, Kathryn Isabel, G S....Moscow
Kennard, Miriam Leslie, 39 jc....Moscow
Kennard, Patricia Ann, G S.....Moscow
Kennaugh, Irene Hasseltine, S.....Troy
Kennedy, Mary Eileen, S 36 a Moscow
Kennedy, Virginia Rose, 40 ed Spokane, Wn.
Kennedy, William Walker, 38 me Boise
Kennell, Wilfrid Charles, 37 med Moscow
Kennington, Bernell Humphreys, 39 jc Preston
Kennington, Emerson Humphreys, 36 me Preston
Kent, Earl Cecil, 39 ag Lava Hot Springs
Kenworthy, Dolores Wyatt, 38 b Moscow
Kenworthy, Max Ronald, 38 f....Wallace
Kerby, Thelma Ruth, S.....Lewiston
Kerr, John Harry, 36 ee Hoquiam, Wn.
Kerr, Paul Raymond, 36 b.....Wilder
Kerr, Robert Marian Jr., 36 law Rexburg
Ketchen, Aleck Petrie, 36 ce.....Boise
Kevern, Jay Leland, 38 jc.....Kellogg
Keyes, Frank Holmes, 36 ce Pocatello
Keyes, James Albertus, 37 ag....Council
Keyes, Robert Medford, 38 ag....Council
Keyser, Robert Waugh, 39 jc.....Boise
Khalapur, Assad Mohammed, 36 ag Teberan, Iran
Kienholz, Helen Beulah, S 36 ed P ed Moscow
Kiljanczyk, Charles John, 39 f Worcester, Mass.
Killingsworth, William Clyde, 38 ee Midas
Kimball, Katherine Abigail, 37 ed Pullman, Wn.
Kimes, Realto Emerson, 37 ce Twin Falls
Kincaid, Arthur Charles, G S San Jose, Calif.
King, Charles Douglas, 39 ae Princeton
King, Florence Alline, 36 a.....Pocatello
King, John William, S.....Lewiston
King, Kenneth Dean, 37 b.....Wendell
King, Lee Kipling, 37 b.....Lewiston

King, Loren Thomas, S 36 ed St. Maries
King, Mabel Lois, 39 ed.....Moscow
King, Max Randall, 38 me.....Princeton
King, Virginia Sarah, 39 jc.....Moscow
Kinghorn, Gerald Eakle, 39 mus.ed Sugar City
Kinghorn, Maurine, G S.....Sugar City
Kinghorn, Twila Afton, 37 ed Idaho Falls
Kingsbury, Joe Worth, 36 ag.....Malad
Kingsbury, John Theodore, 38 jc Wallace
Kinnaman, Dale Herbert, 39 f Casper, Wyo.
Kinne, John Eustis, 39 jc.....Orofino
Kinney, Cynthia Lee, S.....Blackfoot
Kinney, John Rankin, 38 jc....Lewiston
Kirklin, Harold Lincoln, G S A ed Kimberly
Kirklin, Melba Hunt, S.....Kimberly
Kirkpatrick, Harold Dwight, 38 jc Culdesac
Kirkpatrick, Robert Jr., 38 f.....Moscow
Kirtley, Virginia Mae, 39 jc.....Star
Kissane, Donald P., G S.....Pocatello
Kissane, Leedice McAnelly, G S A a Pocatello
Kjosness, Margrethe Nikoline, 36 h Spokane, Wn.
Klaas, Herschel Vincent, 38 ae.....Filer
Kleihauer, Elwin Merrick, 38 med Chicago, Ill.
Klein, George Matthew, 36 ag Oakland, Calif.
Kleinkopf, Maude Farley, S Twin Falls
Klingler, Donald Thomas, 37 b.....Boise
Kloepfer, Dean, 37 a.....Boise
Knap, Anthony Joseph, 39 jc Milwaukee, Wis.
Knickerbocker, Sister Mary Leona, G S Boise
Knight, Elizabeth Marie, 39 jc Caldwell
Knight, James Hiram, 38 ed....Caldwell
Knox, Marvin Selden, 39 jc.....Boise
Knudson, Arthur Edison, 39 f Hollister
Kohlidakis, Gus John, 37 f Cleveland, Ohio
Kole, Earnest Cornelius, 39 ag.....Boise
Koll, Joe Francis Jr., 39 jc.....Boise
Koontz, Clyde Edward, 37 b.....Boise
Koppes, Herman Michael, 39 f Idaho City
Koopes, Myrtle Young, S.....Idaho City
Korte, Erich, 39 f.....Papaaloa, Hawaii
Kostalek, Mary Elizabeth, S 38 jc Moscow
Koto, Fred Tatsuo, 39 jc.....Buhl
Kraemer, Leo Glenville, G.....Plummer
Kramer, William Shelby, 38 jc....Wallace
Krave, Henry Gustav, 36 s.....Nampa
Krebs, Roy Chester, 38 ee.....St. Maries
Kribs, Florence Mary, 37 a.....Wallace
Krick, Eleanor Margaret, 39 ed Genesee
Krogh, Shirley Margaret, 38 ed Spokane, Wn.
Kroker, Don Harold, 38 f.....Spencer
Kroll, Herbert Vincent, 37 b Coeur d'Alene
Krueger, Beryl Ardell, 39 me.....Weiser
Krulitz, Voney, 39 ed.....Mullan
Krummes, Robert Mathias, 38 g....Boise
Kulp, Mark Rupp, G.....Moscow
Kunz, Wilford Howard, G S Logan, Utah
Kurdy, Frank Louie, 39 ed.....Winona
Kurdy, John Ronald, 36 ed.....Winona

L

Lacy, Ruth Minerva, S.....Yoder, Wyo.
Ladd, Arthur Folk. G s.....Cataldo
Ladd, Astrid Elenore, 37 ed.....Cataldo
Lademora, Eliseo Ylison, G s.....Passi, Iloilo, P.I.
Ladle, Joseph Walter, 37 f....Sugar City
Lafferty, Paul William, 39 f.....Weiser
Lafrenz, Nicholas Robert, 39 ce Coeur d'Alene
Laing, James Marshall, 37 ed....Moscow
Lamb, Herschell Stanton, G S....Weiser
Lambert, Joseph Leon, 39 ee.....Hailey
Lambert, Richard Stewart, 39 jc Leadore
Lame, Roland Clayton, 36 ch....Lewiston
Londe, Erling Norman, 36 b.....Genesee
Landon, Brooks, 37 b.....Payette
Lane, Kathryn Folmer, 37 a.....Lapwai
Lang, Linton William, 39 ch Spokane, Wn.
Lang, Robert Scott, 37 met.e Coeur d'Alene
Lange, Bonnie Marie, 39 jc.....Genesee
Langford, Jess Willard, 39 ce Coeur d'Alene
Langland, Kenneth Frederick, 39 f Huron, S. Dak.
Lanham, Max LaDean, 39 jc....Cascade
Lanter, Lorenzo John, 38 ed Post Falls
Lapacek, Dorothy Agnes, S.....Roberts
Largilliere, Edgar Walter, 37 b Soda Springs
Larkam, Charles Wilbur, 39 ch Culdesac
Larsen, Grace, 36 b.....Preston
Larsen, James Berkeley Jr., 39 me Firth
Larsen, Loren Joseph, 38 jc.....Boise
Larson, Bert Victor, 37 a.....Twin Falls
Larson, Clarence Leslie, 37 min Burley
Larson, Emil T., S.....Oxford
Larson, Gerald Emmett, 38 me St. Maries
Larson, Herbert Bayard, 39 me Potlatch
Larson, Leslie Lundgren, G s Blackfoot
Larson, Lillian Pauline, 38 ed Sandpoint
Larson, Vivian Gladys, S 37 ed....Moscow
Larter, Gordon Thomas, 39 f La Canada, Calif.
LaRue, Ann, 39 jc.....Rupert
LaRue, Frank, 37 g.....Rupert
LaRue, Marian, 37 a.....Rupert
Later, Dillon Wayne, G S.....Rigby
Lathen, Clifford Forest, 38 f.....Moscow
Lathen, Wesley Waldo, 39 ed....Moscow
Lathrop, Eugene Milton, 38 ee Post Falls
Latimore, Ethel Aurelia, 39 jc.....Boise
Latimore, Joseph Hoyle, 38 ce.....Boise
Latimore, Ruby Margaret, 39 jc Mountain Home
Latta, Margaret Grace, S.....Nampa
Lauridsen, Annie Maria, S Montpelier
Lauritzen, Kenneth Austin, 37 mus.ed Victor
Lavigne, Raymond Peter, 39 ed Harrison
Lawless, Isabel Elizabeth, G S....Mackay
Lawrence, Dale Clingman, 39 jc Spokane, Wn.
Lawrence, Wendell Dansare, 38 jc Hollister
Laxton, Aurrel Lillian, S 37 ed....Rupert
Leach, Mary Faustine, G S....Pocatello

Leadingham, Joe Earl, 39 f Sioux City, Iowa
Leatham, Earl George, 36 ge....Shelley
Leatherwood, Russell Keith, G S Nampa
Leavy, Charles Williams, 36 law Veradale, Wn.
Lee, Bruce Royal, 38 f Noonan, N. Dak.
Lee, Eleanor Jane, 39 jc....Burley
Lee, Hyrum Rex, 36 ag....Rigby
Lee, Lawrence, G S....Alamo, Nev.
Lee, Lincoln Tolman, 39 ag....Murtaugh
Lee, Orrin E., G S G ed....Rexburg
Lee, Ralph Bryant, 38 med....Idaho Falls
Lee, Wayne Austin, 38 ag....Rigby
Lee, William Samuel, 39 f....Hayward, Calif.
Lee, William Shields, 37 a....Moscow
LeFebre, Halbert Allen, 37 a Lewiston
Leguineche, Pete, 39 jc....Gooding
Lehto, Vilho Axle, 39 f....Mullan
Leighton, Fern Dallas, 38 jc....Boise
Leith, Verla Mae, 39 jc....Moscow
Leith, Verna Fae, 39 jc....Moscow
Leitner, Elton Raymond, 36 ce....Boise
Leland, Beverly, 40 jc Okanogan, Wn.
Lemon, Emmett Dean, S 37 ch Moscow
Lemp, George Tucker, 39 jc....Boise
Lemp, Mary Catherine, G S....Boise
Lenfest, Dorothy Russell, 37 ed....Boise
Lenke, Esther Martha, 39 jc....Moscow
Lennon, Mabel Alice, 40 jc Farmington Wn.
Leonard, Melvin Perdue, 37 f Sandpoint
Leonard, Rodney Boyd, 38 f....Santa
Lessels, Virgil Lawrence, 36 ch....Filer
Levy, Ariel Bernice, 36 a....Gooding
Lewis, Erma, S 37 a....Burley
Lewis, George Elmer, 38 jc....Malad
Lewis, James Vaughn, 39 ed....Oakley
Lewis, John Donly, 38 ag....Oakley
Lewis, Mont Edmond, G ag....Oakley
Lewis, Phyllis Maxine, 39 jc....Rupert
Lewis, Robert, 38 f....Quincy, Mass.
Lewis, Wendell J., 38 jc....Burley
L'Herisson, Charles Alfonso, 40 jc Jerome
Lilja, Myrle Cristine, S....Emmett
Liljenquist, Lorenzo Blaine, 38 ag Thornton
Lilly, Grace Anne, G S....Caldwell
Lincoln, Dwight Cleland, 38 jc....Nampa
Lincoln, Pal Arnold, 38 g Metaline, Wn.
Lincoln, Ray William, 37 ag....Filer
Lindberg, Nels William, 39 jc....Lapwai
Lindenman, Helen Elizabeth, 36 ed Darlington
Lindsay, Clea Gay, S....Hazelton
Lindsay, William Carroll Jr., 38 b Kellogg
Lineberger, Lawrence McCaul, 37 b Homedale
Linehan, Raphael Dean, 37 ed....Genesee
Lines, Rolfe Otto, 38 f....Idaho Falls
Linford, LaRue H., G S....Afton, Wyo.
Link, Hubert John, 38 ag....Moscow
Linkhart, Richard Newton, 39 ch Wilmington, Ohio
Linkhart, Robert Crites, 39 ae Wilmington, Ohio
Lipps, Barbara Anne, 37 ed....Rupert
Lipps, Lois Irene, 39 ed....Rupert
Lisle, Esther Luella, G S....Salem, Ore.
Little, Janet Marie, 39 jc....Emmett
Lloyd, Edwin Sandford, 39 jc Twin Falls
Locke, Mabel, G....Dallas, Texas
Lockridge, Carroll Otto, G S A ed Ely, Nev.
Locks, Charles Saul, G ed....Montpelier
Loney, Ivy Mary, 39 ed....Wallace
Long, Cecile Gertrude, S....Weiser
Long, Cora Frances, S....Boise
Long, Roy Edgar, 39 ag....Kendrick
Longeteig, Iver John Jr., 38 jc Craigmont
Loomis, Elizabeth Eleanora, 37 ed Orofino
Louie, Lena, 39 jc....Worley
Louis, Isabell Ann, 39 ed Coeur d'Alene
Love, Ernest Bruce, 39 ee....Peck
Lovette, Florence Manon, 39 jc....Moscow
Lowe, Caroline, S....Blackfoct
Lowe, Jarvis Estel, 38 jc....Burley
Lowe, Scott Doney, S....Pocatello
Lownik, Edward Chester, 36 f....Moscow
Lucas, Albert Carl, 38 jc Brooklyn, N.Y.
Lucas, William Joseph, 38 f....Mitchell, S. Dak.
Luke, Harvard Chester, 37 med Moscow
Luke, Helen, S 38 jc....Moscow
Lukens, Harold Carter, 39 f....Lewiston
Lukens, John Fritchle, 36 a....Boise
Lukens, Ruth Elizabeth, 39 jc....Boise
Lumpkin, Charles Joseph, 36 a Lewiston
Lundburg, Kenneth Gordon, S 36 b Idaho Falls
Lundquist, Raynard Victor, G s Moscow
Luoma, Harold Edmund, 38 jc....Cataldo
Lupton, Howard Wayne, 38 ag....Nampa
Luther, Carter Van, 36 ag....Gooding
Luttropp, Hugh Thomas, 39 jc....Orofino
Luukkonen, Voitto Arnold, 39 me Mullan
Luvaas, Bernard P., 38 ed....Moscow
Lyle, Don Rogers, 37 ag....Lewiston
Lynch, Loretta Helen, S Bonners Ferry
Lyon, Lois Harriet, G ed....Eureka, Ill.
Lyon, Melvin Milton, 39 ag....Moscow
Lyon, Robert Bradley, G S G mus.ed Moscow
Lyon, Sarah Meier, 36 a....Moscow
Lyons, Daniel Milton, 36 s....Southwick
Lyons, George Richard, 39 jc....Kellogg
Lyons, Philip James, S....Kooskia

Mc

McAlister, Edgar, 39 min American Falls
McAllister, Nona Beryl, S....Moscow
McAlpine, Lorraine Frances, 38 ed Moscow
McArdle, Sister M. Rose Anne, G S Boise
McArthur, Chester Clarence, 39 f Weippe
McCabe, James Virgil, 36 law Chatcolet
McCannon, Helen Charlotte, S Spokane, Wn.
McCarroll, Zelma Naomi, 39 jc....Payette
McCarthy, Donald George, 39 f Moscow
McCarthy, Joseph LePage, G s Spokane, Wn.
McCarty, Eleanor Elizabeth, 38 ed Plummer
McCauley, Gladys Mae, 38 ed Post Falls
McCluskey, William Arde, 37 s Coeur d'Alene
McComb, Jane Marian, G S....Troy
McComb, Dorothy Jean, S....Troy
McConnel, Roger Harmon, G g Caldwell
McConnell, Betty Lou, 39 jc Grangeville
McConnell, Charles, G S....Moscow

McConnell, George Burton, 39 ee Jerome
McConnell, Henry Elden, 36 s.....Boise
McCormick, Fred Ray, 36 ee.....Arimo
McCracken, Lester Clifford, S.....Peck
McCracken, Roy Gilmore, 39 f.....Boise
McCrea, William Sherbourne, 36 a Coeur d'Alene
McCue, Robert Daniel, 37 ed Pasadena, Calif.
McCurry, Minnie Regina, 37 a.....Boise
McDaniel, Keith Kendrick, 37 ce Spokane, Wn.
McDermott, Peter James, 37 f....Ashton
McDermott, Susie Doris, 37 a....Wallace
McDonald, Florence, S.....Driggs
McDonald, Irving Leroy, 38 jc.....Eden
McDonald, Timothy Emmett, G S Ashton
McDowell, Jay Carl, 36 ed Rockford, Wn.
McDowell, Rex Wampler, 37 ed Rockford, Wn.
McElroy, Carroll Bernard, 39 f....Buhl
McFadden, George Robert, 37 a Plummer
McFadden, Joseph James, 38 b....Hailey
McFall, Miriam Stockton, 38 jc Twin Falls
McFarland, James Franklin, S 37 mus.ed Kellogg
McFarland, Mack, 38 jc.....Naples
McFarlane, James Leo, 39 jc Coeur d'Alene
McFaul, Veldora Katherine, 38 ed Cabarton
McGill, Donald Hoffman, G a....Moscow
McGovern, Mary Alice, S Coeur d'Alene
McGrath, Bertha, 39 jc.....Moscow
McGrath, Laura, 36 ed.....Moscow
McGrath, Lodie Manie, 36 ed....Moscow
McGregor, Lorin, 37 ee.....Thatcher
McKee, Bill Earl, 38 f.....Spokane, Wn.
McKee, Donald Duff, 36 ed.....Lewiston
McKee, Dorothy Elizabeth, 37 a....Boise
McKee, Jennie Stewart, S.....Blackfoot
McKeever, Donald Gibson, 36 f Wilkinsburg, Pa.
McKeirnan, Agnes Cletus, G S G a Pomeroy, Wn.
McKibbin, John Philip, 37 med.....Boise
McKinley, Mary Anjeanette, 38 jc Page
McKinney, Geneal Sweet, G....Lewiston
McKinney, Jack Whitwell, 38 jc Salmon
McLane, Angus, 37 ce.....Chester
McLane, Dorothea Anna, 38 jc....Chester
McLaughlin, Charles Elliott, 38 ee St. Maries
McLeod, Katherine Jane, S....Nez Perce
McManus, Patrick Lawrence, G met.e Ft. Pierce, Fla.
McMaster, Georgia Grace, G S Twin Falls
McMillin, Ethel Laurine, 39 ed Kamiah
McNichols, Raymond Clyne, 37 a Lewiston
McNicoll, Barbara Claire, 38 ed Salmon
McPherson, Arthur Grant, 39 f Caldwell
McPherson, Clarence Edward, 37 b Post Falls
McPherson, Ione Marie, S.....Post Falls
McPherson, Margaret Anna, 39 ed Post Falls
McPherson, Merle Georgia, S Clarkston, Wn.
McProud, Gene Elbert, G S....Homedale
McQuade, Henry Ford, 39 jc....Pocatello
McQueen, Kent, 38 jc.....Preston
McQuiston, Marguerite Patterson, G S Lamoille, Nev.
McVey, John William, 39 ae.....Jerome
McVicker, Virgil Otto, S 37 ed Orofino
McWilliams, Walter Charles, 37 med Moscow

M

MacArthur, Beryl, S.....Coeur d'Alene
MacDonald, Alice Elinore, S.....Seattle, Wn.
MacGregor, Warren Stanley, 38 ee Spirit Lake
Machado, Jess Marquis, 38 f Stockton, Calif.
Mack, Margaret Shirley, 38 jc.....Boise
Mackey, Donald, 37 ee.....Wallace
Mackey, Lester, 39 jc.....Naples
Maclean, Bert Melville, 39 f Tonasket, Wn.
Maclear, William Patrick, 38 jc Idaho Falls
MacQuaid, Margaret Lee, 39 jc Moscow
MacQuaid, Marian Iva, S 38 jc....Moscow
Macy, Bertha Schuster, S Pomeroy, Wn.
Macy, James Aldus, 37 ag.....Caldwell
Madoche, Kenneth Lawrence, 39 f Sandpoint
Madsen, Lyman Wynn, G ce.....Shelley
Madson, Helen Elizabeth, 36 a Ogden, Utah
Maede, Albert Lain, G me.....Moscow
Maeser, Pauleen, 39 jc.....Malad
Magana, Fidel Torres, 37 b S. Juan, P.I.
Magnuson, Howard William, 38 ag Worley
Maguire, Hugh Charles, 38 law Idaho Falls
Maguire, James Hugh, 36 ge Anaconda, Mont.
Maillard ,Charles Augustus, 39 jc Hamden, Conn.
Maki, Elsie Julie, 38 ed.....Norwood
Malalang, Engracio Cariazo, 37 b Pangasinan, P.I.
Malin, Maurice Edgar, 36 b.....Kellogg
Mallory, Walter Alfred, 39 f.....Deary
Malony, Bernice Day, 36 ed G ed Moscow
Malsbury, Marjorie Esther, G S Pocatello
Manion, Marguerite Ellen, S 37 ed Firth
Mann, Louis Kimball, 37 s....Placerville
Mann, Paul, 38 ee.....Lewiston
Manning, James Henry, G S A ed Kuna
Manning, John Ellis, 38 f.....Caldwell
Manning, Philip Clair, G S A ed Meridian
March, Homer Parker, 38 met.e Lowman
March, Richard Maurice, 37 f Northampton, Mass.
Marcy, Jack Clinton, 39 ed Perry, Okla.
Marden, Louise, 39 ed.....Moscow
Marley, Don Carlos, 36 ag....McCammon
Marsh, Philip Andrew, 39 jc Grangeville
Marshall, Charles Eimers, 38 jc Grangeville
Marshall, Marvin Malcolm, 37 f Bonne Terre, Mo.
Marshall, Raymond Cyril, 37 s Idaho Falls
Martens, Ulrich, 39 ee.....Eden
Martin, Boyd Archer, S 36 ed Nez Perce

Martin, Durward Imbler, 37 ed Nez Perce
Martin, Gerald Hurley, 39 f.....Belen, New Mex.
Martin, Grace Charlotte, G S G ed Moscow
Martin, Hubert Douglas, 39 jc....Emmett
Martin, Jack Marshall, 39 f.....Buhl
Martin, Ronald Giles, 38 f.....St. Maries
Martin, William Townsend, 38 ag Boise
Martineau, Florence, S.....St. Anthony
Martinsen, Earl Barlow, 36 ch St Maries
Martinson, Vernon Eugene, 37 f St. Maries
Mason, Charles Edward, 39 jc Kamiah
Mason, James Keane, 39 jc Everett, Wn.
Mason, Robert Earl, 38 jc.....Boise
Mason, Wendell, 39 jc.....Rigby
Mastin, Richard James, 39 f.....Buhl
Mathes, Ellis Leroy, 38 ce.....Burley
Matney, Darwin Kent, 39 jc.....Rigby
Matsen, Gilbert, 39 ag.....Burley
Matson, George Albert, G ed Coeur d'Alene
Mattes, Margaret Mae, 38 jc Spokane, Wn.
Matteson, Louise, G S.....Emmett
Matthews, Fred Winifred, 37 f St. Anthony
Matthews, Margaret Maude, S 36 h Boise
Matthews, Roberta Violet, 37 h.....Boise
Mattson, Ermel Pearl, S 36 ed Culdesac
Maughan, Lyle Raymond, 36 ag Lava Hot Springs
Maul, David Chandler, 37 f.....Huron, S. Dak.
Maupin, Jere Washington, 38 jc
Maxson, Willis Sheldon, 37 ed Covina, Calif.
Maxwell, Richard Fox, 38 jc Twin Falls
Mayburry, Frank Wayne, 39 f Belvidere, Ill.
Mayer, Edward Reece, 39 jc.....Emmett
Mayer, Edward William, S 37 b Kellogg
Maynard, Max, S.....Johnson, Wn.
Mecham, Elden, 39 f.....Carey
Mellinger, Martha Lorene, 38 jc Spokane, Wn.
Melzian, Aldon Lester, 36 me Moscow
Mendenhall, Louis Gordon, 39 me Potlatch
Meneely, Erle Newton, 36 me....Moscow
Meneely, Katherine Lucinda, 38 jc Moscow
Meneely, William Alfred, 38 ed Moscow
Meng, Curt, 37 b.....Rexburg
Mercer, Elwyn Jarvis, 36 me G me Moscow
Mercer, Jared Alma, G S A ed Oakley
Merchant, Wilbur Whittaker, G S New Brunswick, N.J.
Merrill, Barry Morris, 39 me Spokane, Wn.
Messmer, Lillian Louisia, G S Potlatch
Metke, Don Harry, 39 min....Bend, Ore.
Metzgar, Edward Harry, S 37 ed Kellogg
Metzgar, Patrick Henry, 39 ed Kellogg
Meyers, Minnie, S 37 h.....Sugar City
Michael, Dale Charlton, S 36 ed Moscow
Mickelsen, Bjarne Johan, 37 ed Valley City, N. Dak.
Middleton, Joseph Dean, 38 ch Rexburg
Middleton, Robert Leon, S 37 ed Weiser
Mihelich, Miro, 39 min.....Mullan
Milburn, Julia Virginia, 39 jc Spokane, Wn.
Miles, Beulah Simmons, G S G a Lewiston
Miles, Frank Elton, 36 ed.....Lewiston
Miles, Lewis Clarence, G S G ed Lewiston
Miles, Merry Marguerite, 38 jc Moscow
Milette, Fred Louis, 39 ed San Mateo, Calif.
Millay, Mabel, 37 mus.ed.....Lewiston
Miller, Cleo Burton Hort, 38 f Moscow
Miller, Clyde John, 36 ed.....Plummer
Miller, David Robert, 39 f Swan Valley
Miller, Earl Ralph, 38 jc.....Moscow
Miller, Edith Ilomay, G S G ed Moscow
Miller, Eula Greene, S.....Juliaetta
Miller, Frances Letitia, 39 jc.....Boise
Miller, George Morey, G a.....Moscow
Miller, Harry, G.....Moscow
Miller, James Henry, 36 ee.....Gibbs
Miller, John Bakken, 36 g.....Bovill
Miller, Lucile Annette, S.....Lewiston
Miller, Myrna Evans, sp jc.....Moscow
Miller, Paul Theodore, 36 a P a Moscow
Miller, Ralph Lloyd, 38 f.....LaFollette, Tenn.
Miller, Robert Clyde, 37 ag.....Moscow
Miller, Robert Edward, 38 ag.....Boise
Miller, Robert Warren, 39 ee....Fairfield
Miller, Sam H., 39 ed.....Perry, Okla.
Miller, Warren Grant, 37 s Ogden, Utah
Mills, Buckley Edson, 39 jc Garden Valley
Mills, Edith Lucille, S 36 h.....Moscow
Mills, Joseph Edward Jr., 38 ag Wilder
Mills, Marion Gerald, 39 ed Garden Valley
Mills, William Leary, 38 ed Garden Valley
Minger, Melissa Maude, G S.....Boise
Minty, Margaret Virginia, 38 jc Soda Springs
Minty, Mary Elizabeth, 38 jc Soda Springs
Mitchell, Alva Wright, 38 ag Nez Perce
Mitchell, Harriet Virginia, 39 jc Lewiston
Mitchell, Josephine Cora, 36 ed Wilder
Mitchell, Lutie Mae, G S.....Nez Perce
Mitchell, Marie Lynch, 36 ed....Orofino
Mitchell, Mary Elizabeth, 38 ed Gooding
Mitchell, Norma Lauretta, 39 jc Moscow
Mitchell, Rachel Vivian, 39 jc....Wendell
Mitchell, Sara Margaret, 39 jc....Parma
Mitchell, Walter Bruce, 39 ee.....Parma
Mitchell, Walter Paul, 36 f Point Arena, Calif.
Mitchell, Wilma Elmira, 36 mus.ed Shoshone
Mitchell, Woodrow Wilson, 36 ag Nez Perce
Mix, Betty Jane, 36 ed.....Moscow
Moats, John Edwin, 37 s.....Boise
Mockler, Barbara Kathryn, 38 a....Boise
Moerder, Elizabeth Pauline, 38 jc Moscow
Moerder, James Gifford, 38 med Moscow
Moir, Leo Hughes Jr., 37 ge El Monte, Calif.
Moncher, Esther Cathryn, 38 ed Rupert
Monks, Howard Irvin Jr., 39 me Bonners Ferry
Monnett, Albert Abraham Jr., 38 b Moscow
Monson, Franklin Dee, G S Blackfoot

Montell, Joseph R., S 39 jc Inglewood, Calif.
Montgomery, Clyde August, 38 ag Eden
Montgomery, Mary Elizabeth, 37 a Eden
Moodie, Robert Clark, 39 ag.....Salmon
Moody, Caroline Elaine, 39 jc....Moscow
Moody, Clara Montana, S.....Moscow
Moore, Agnes Randall, G.....Moscow
Moore, Ardath Carol, G S.....Ashton
Moore, Beulah Marlene, 37 ed Rexburg
Moore, Boyd Allen, 38 a.....Boise
Moore, Dorsey Charles, 36 med.....Boise
Moore, Edna Mae, 38 jc.....Melba
Moore, James Albert, 37 ed.....Melba
Moore, James Munson, 39 me....Mullan
Moore, Janice, 39 jc.....Rexburg
Moore, Julia Winifred, 38 jc Spokane, Wn.
Moore, Mary Eleanor, 39 jc.....Boise
Moore, Ralphine Ronald, S.....Moscow
Moore, Samuel Drollinger Jr., G S Malad
Moore, William Cloud, G S G a Moscow
Morbeck, Charles Thomas, 38 jc Wallace
Morgan, Alvin Wright, G S A ed Firth
Morgan, Ann, G S.....Malad
Morgan, Elmer Archie, 38 ag....Heyburn
Morgan, Iris Alberta, 39 jc.....Moscow
Morgan, Prudence Florence, 36 a Grangeville
Morken, Paul Gilbert, 38 ce Coeur d'Alene
Morley, Robert Johannesen, 38 jc Idaho Falls
Morris, John Nickell, 40 jc.....Elk River
Morris, Robert James, 36 ch....Potlatch
Morrow, William John, 37 f Grand Forks, N. Dak.
Morse, Dean Warren, 39 f.....Sandpoint
Morse, Geraldine Emma, 37 ed.....Buhl
Morse, Louisa,, 39 ed.....Coeur d'Alene
Morse, William Evans Jr., S.....Malad
Mortenson, John Melvin, 39 jc....Moscow
Mortimer, Don, 37 ag.....Rexburg
Mortimer, Preston Ricks, 37 ee Rexburg
Morton, Alberta Isabel, 38 law Moscow
Morton, Mabel, 39 jc.....Spokane, Wn.
Moseley, Marguerite Adele, G S Vancouver, Wn.
Moser, Alphonse Stephen, G S....Moscow
Moser, Charles Edwin, G S East Farms, Wn.
Moser, Robert Delmore, S.....Rupert
Mosley, Otto A., 38 jc.....St. Maries
Moss, James Wayne, G S.....Oakley
Moss, Jessie Jeannette, S.....Driggs
Mott, Thelma Nina, 36 ed.....Moscow
Mottern, Elizabeth Anita, 38 ed St. Maries
Moyer, John Lane, 39 f Pendleton, Ore.
Mrachek, Joe Walter, 37 ag.....Wendell
Mueller, Frederick William Jr., 38 jc St. Maries
Muffett, Robert Pierce, 38 ed....Lewiston
Mullins, Robert Wilson, S 38 law Nampa
Munk, Mildred, G S.....Georgetown
Munninghoff, Paul, 39 f.....Milwaukee, Wis.
Murdock, Ernest Franklin, G S Park City, Utah
Murdock, Ezra Allan, G S....Sugar City
Murdock, Fenoi R., 38 ag.....Blackfoot
Murdock, Mary Louise, 38 jc Spokane, Wn.
Murdock, Merlin Leo, 37 ag....Blackfoot
Murdock, Wayne Eldon, 39 ag Blackfoot
Murphy, Donald Merle, G ag Twin Falls
Murphy, John Tulus, 38 jc.....Rupert
Murphy, Mary Margaret, 37 b Payette
Murtha, Frances Lucille, 38 jc Haines, Ore.
Musial, Walter Joseph, 39 ed Milwaukee, Wis.
Myers, Hazel, 40 jc.....Moscow
Myers, Margery Ethel, 39 jc.....Nelson, B.C., Can.
Myers, Mark Edward, 38 med Deer Park, Wn.
Myers, Zelma May, 39 jc....Spokane, Wn.
Myrick, Clara Leona, 37 h.....Orofino

N

Nadeau, Leon Randalph, 37 f Caldwell
Nail, Kenneth Monroe, 36 b Spokane, Wn.
Nalley, Willie Milton, 38 ed.....Boise
Nasker, Theodore Jason, 39 ce.....Boise
Nau, Robert Anthony, 39 ge....Ferdinand
Neal, Wilma Pauline, 39 ed....Sandpoint
Nearing, Oral Silas, 39 ed.....Potlatch
Neely, George Stewart, 37 ed Covina, Calif.
Neff, George Eldon, 39 ge Tacoma, Wn.
Neill, Marshall Allen, 38 law Pullman, Wn.
Nelson, Alfred Trigner, 39 jc Port Richmond, Staten Is., N.Y.
Nelson, Annie Elaine, 39 ed.....Moscow
Nelson, Arthur William Jr., 38 f Park Ridge, Ill.
Nelson, Bertha Arina, S.....Beresford S. Dak.
Nelson, Charles Gehrke, 38 mus.ed Eden Valley, Minn.
Nelson, Donald Otto, 39 jc.....Moscow
Nelson, George William, 37 ed....Moscow
Nelson, Harold O., 36 ed.....Bellevue
Nelson, Harvey Ferdinand, 36 f Racine, Wis.
Nelson, Hazelle, G S.....St. Paul, Minn.
Nelson, Jesse Giles, G S.....Preston
Nelson, Lewis Bailey, 36 ag.....Emmett
Nelson, Lucile Elizabeth, 37 ed....Boise
Nelson, Marie Christine, 39 ed....Moscow
Nelson, Melvin Irving, 39 jc.....Kellogg
Nelson, Michael Hopland, 39 ee.....Gem
Nelson, Norman Talmage, 37 f McCammon
Nelson, Otto Alfred, 38 f.....Moscow
Nelson, Pierce Billings, S.....Heyburn
Nelson, Ralph Ware, 37 a Coeur d'Alene
Nelson, Robert, 39 ed.....Lewiston
Nelson, Rudolph Victor, 36 b....Moscow
Nelson, Spencer Ware, 36 law Coeur d'Alene
Nesbitt, Elmer Kenward, 39 me Emmett
Newcomb, George Robert, 39 me Coeur d'Alene
Newcomb, Lewis Elmer Jr., 39 ee Melba
Newlon, William John, 39 ed.....Worley
Newton, Francis John, 36 a.....Moscow
Newton, Joseph, G.....Moscow
Nice, Eva Lenore, 36 ed North Powder, Ore.
Nicholson, Jean Clinton, 38 ed Spokane, Wn.
Nielsen, Einar John, G S Soda Springs
Nielsen, Helen Sigrid, G S.....Shelley
Nielsen, Ottis A., G b.....Weston
Nissen, Lawrence Louis, 38 ch Coeur d'Alene
Nixon, James Laurence, 39 ee.....Heath

Njaa, Reuben Sverre, 39 jc Northwood, N. Dak.
Noble, Alice Maxwell, 39 jc Oneanta, N.Y.
Noel, Max, 37 b.....Lewiston
Nollie, Kenneth John, 37 ae Rossland, B.C., Can.
Nonini, Francis Vitto, G S.....Moscow
Norris, Harriett Esther, S.....Payette
Norris, Virginia Frances, 37 ed....Mullan
Northrop, Cortland Jenner, 37 b....Boise
Noyer, Vivian, 36 a.....Sterling
Nugent, Alfred Eugene, 36 ge....Wallace
Nugent, Claude Edward, 37 min Wallace
Nungester, Jay L., 39 jc.....Nampa
Nurmi, Edwin Oliver, 36 ag.....Enaville
Nutting, Richard Curtice, 36 ag Rupert
Nuuttila, Eino, 38 f.....Waukegan, Ill.
Nygren, Victor Emmanuel, 37 ag Moscow

O

O'Brien, Frank Melvin, 40 jc....Wallace
O'Connor, Mona Kathleen, 37 b Moscow
O'Donnell, Catherine Jelora, S Rupert
O'Donnell, John Morris, 36 law Coeur d'Alene
O'Hara, Dorothy Eveleen, S.....Moscow
O'Meara, Cecil Lois, 36 h.....Moscow
O'Neil, Mary Margaret, 36 ed Coeur d'Alene
O'Neill, William James, 36 ed Idaho Falls
Oberbillig, Ernest Edmund, 37 met.e Boise
Oberg, Audrey Margueritte, 39 jc Kellogg
Oberg, Eva Victoria, 36 ed.....Moscow
Obermeyer, Betty, 38 b.....Emmett
Odenborg, Margaret Jeannette, 37 ed Genesee
Ogawa, Fremont Toshio, 36 me Lava Hot Springs
Ogee, Lucille Evelyn, 36 ed.....Pocatello
Ogle, Marguerite Fern, 39 jc.....Moscow
Oja, Reino Walfred, 37 f Gardner, Mass.
Oldson, Harold Alfred, 38 f Pasadena, Calif.
Olesen, Gertrude Lorraine, 37 ed Moscow
Oliver, John Pike, 37 f San Francisco, Calif.
Olmstead, George Victor, 39 ag Plummer
Olmstead, Madeline Sarita, G S Moscow
Olsen, Baylus Harvey, 38 jc.....Jerome
Olsen, Gordon Theodore, G S A ed Star
Olsen, Melba, C., G S G ed....Kimberly
Olson, Clarence Martin, 39 jc....Kellogg
Olson, Emerson Jay, 39 ag.....Rupert
Olson, Peter Edward, 37 met.e Coeur d'Alene
Olson, Shelley Girsel, 38 jc.....Bovill
Olson, Walter Orville, 40 ag St. Anthony
Olson, William A., 39 f....Coeur d'Alene
Onstott, Oscar Lee, 38 f.....Kendrick
Opie, Robert Stanley, G f Butte, Mont.
Oram, George H. Jr., S 38 jc.....Boise
Orcutt, Donald Peter, 38 f.....Moscow
Oreiro, Andres Almajuela, G ed La Union, P.I.
Orland, Halsey Lewis, S 37 a....Moscow
Orme, Samuel Thomas, 39 f.....Tooele, Utah
Orr, Kenneth Dew, G s.....Moscow
Orton, Glenn, 38 ed.....Mt. Home
Osgood, Frederick Russell, 36 a Hansen
Osgood, John Cleveland Jr., 39 me Hansen
Osmonson, Anna Mae, G S.....Wolsey, S. Dak.
Osterhout, Carl Edward, 36 ed.....Delco
Osterhout, Milton Leroy, 39 me....Delco
Osterlund, Aila, S.....Astoria, Ore.
Otness, Clara, G S.....Moscow
Otter, Floyd Leslie, G S.....Moscow
Overstreet, Carolyn, G S.....Blackfoot
Owen, Glenn Byron, 36 ed.....Rathdrum
Owens, John Clair, 37 ed.....Malad

P

Pace, David George, 39 jc Bonners Ferry
Pace, Mary Jane, 36 ed....Bonners Ferry
Packer, Floyd Lyman, 36 b.....Moscow
Paddock, Alfred Harlan, G ed....Moscow
Paddock, Anna Albra, S Farmington, Wn.
Pahl, Irma Ruth, S.....Lewiston
Paine, Mary Frances, 37 h.....Lewiston
Painter, Robert Teed, 37 a.....Boise
Painter, Ted, 39 met.e.....White Bird
Painter, Thomas Willits, 37 b.....Boise
Palmer, Noble Eugene, 37 a....Kimberly
Papesh, Doris Mae, 36 h.....Kellogg
Pardue, Rex Ira, 37 ed.....Kamiah
Paris, Richard Harland, 33 mus.ed Kellogg
Parish, Bernice Aldene, G S.....Buhl
Parish, Howard Graham, 39 jc.....Buhl
Park, Morey Austin Jr., 36 min Wilmington, Del.
Parke, Audrey Ethel, 37 med.....Burley
Parker, Alyce Minnie, 38 ed.....Nampa
Parker, Dean W., 37 ed.....Pocatello
Parker, Melrhea, S.....Burley
Parker, Robert Gail, 39 ag.....Rexburg
Parker, Robert Theodore, 37 ed St. Anthony
Parkhurst, Vonda, S....Canova, S. Dak.
Parkinson, Harold Lester, 37 ag Jerome
Parkinson, Lygia, 38 jc.....Rexburg
Parks, Paul Marion, G S.....Genesee
Parmley, Helen Roberta, 37 ed Ogden, Utah
Parr, William Lee, 37 law Olympia, Wn.
Parrott, Irene Grace, 36 b.....Twin Falls
Parsons, LaFayette Ross Jr., 39 ce Boise
Paskin, Louis, 36 b.....South Bend, Ind.
Paskin, Nathan, 39 jc....South Bend, Ind.
Paterka, Pauline Harriett, G S Spokane, Wn.
Patrick, Ivan Pattison, G S A ed Weiser
Patterson, Leslie Turrel, G S A ed Murtaugh
Patton, Velma Ruth, 39 jc Palouse, Wn.
Pauley, William Nelson, 36 ch.....Boise
Paulsen, Edith Louise, 38 jc....Lewiston
Paulson, Anton Harold, 39 f Elk River
Pavkov, Stonko Sidney, 38 ed Gooding
Peacock, Jule Randall, 38 jc.....Burley
Pearce, Lois Eleanor, 38 b Spokane, Wn.
Pearson, Louise, 37 b....Santa Monica, Calif.
Pearson, Mabel Linnea, S 38 ed....Worley
Pearson, Raymond Walfred, 38 ed Pocatello
Peavey, Betty Lou, 37 ed.....Twin Falls
Peck, Garth Benson, 38 ag Ogden, Utah
Peck, Roy Vern, 40 ag.....Grace
Pecka, Arthur Michael, 38 f Chicago, Ill.
Peech, Michael, G.....Moscow

Pellegren, Fern Tucker, G S.....Murray, Utah
Pence, James William, 39 jc.....Buhl
Pence, Mary Margaret, 38 ed....Payette
Pene, August Joseph, sp met.e St. Maries
Pennington, James Wilson, 39 min Wilmington, Del.
Peret, Jack Wesley, 38 min.....Caldwell
Perkins, Carlos Munk, 37 min Montpelier
Perkins, Jeanne Anne, 39 jc White Plaines, N.Y.
Perrine, Eugene, G S.....Twin Falls
Perry, Allan, G S G ed.....Moscow
Perry, James William, 38 jc.....Boise
Person, Eugene, G S.....Coeur d'Alene
Persons, Pamela Pauline, 36 ed Spokane, Wn.
Peters, Raymond William, 38 ce San Diego, Calif.
Peters, Virginia Louise, 38 jc.....Boise
Petersen, Arthur John, 39 f Irvington, N.J.
Petersen, Charlie Fredrick, 39 ag Emmett
Petersen, Don Andrew, 36 ag.....Paul
Petersen, Lee Hans, 38 ag.....Paul
Peterson, Alfred Charles, 39 min Potlatch
Peterson, Alice Esther, G S.....Moscow
Peterson, Barbara, 39 jc.....Moscow
Peterson, Beatrice Maxine, S.....Filer
Peterson, Bernard Miller, 36 ed Moscow
Peterson, Evelyn Margaret, 37 a Potlatch
Peterson, Helen Elizabeth, 36 med Sandpoint
Peterson, Herbert Borst, 39 f Rock Island, Ill.
Peterson, John Elvin, 39 ee.....Moscow
Peterson, Kent Franklin, 36 b Blackfoot
Peterson, Laura Maurine, G s....Potlatch
Peterson, Martin Francis, 38 f.....Troy
Peterson, Philip Renard, 38 min Spokane, Wn.
Peterson, Robert William, 36 law Moscow
Peterson, Sophie, G S.....Blair, Wis.
Peterson, Vivian Johnson, 38 jc Moscow
Peterson, Winifred Anna, 39 ed Idaho Falls
Petrisor, Gregory Christian, G S A ed Spokane, Wn.
Petrisor, Hazel Reed, G S Spokane, Wn.
Pettet, Elizabeth Jean, 38 ed....Harrison
Pettijohn, Fay Camilla, 37 mus.ed Castleford
Phelps, Grove Martin, 39 ed Georgetown
Phillips, Dewey Fredrick, 39 ed Spirit Lake
Phillips, Gene Huff, 39 f Coeur d'Alene
Phillips, James Austin, 38 jc....Lewiston
Phillips, Rowena Blanch, S.....Eden
Philpott, Louise, G S.....Boise
Philps, Ethel Fern, 36 ed.....Challis
Phinney, John Hardin Jr., 38 ce Sandpoint
Phipps, James Benjamin, 38 jc....Weiser
Pickell, Frederick Catlin, 39 jc Anaconda, Mont.
Pickett, Floyd J., 38 jc.....Oakley
Pierce, Dorothy Kenworthy, 36 a Moscow
Pierce, John Arthur, 38 ag.....Malta
Pierce, Perry Raymond, 39 ag Kimberly
Pierce, Ronald Woodrow, 38 ag Twin Falls
Pierce, William Martin, 39 me Laurier, Wn.
Pierce, William Monroe, 39 ce.....Malta
Pierson, Pauline Jo, 39 jc.....Moscow
Pimentel, Joseph Edwin, 36 ch Shoshone
Pinnell, Irma Louise, 38 b.....Harvard
Pitcher, Wayne Harold, 38 jc....Moscow
Pitkin, Franklin Harry, 39 f Los Molinos, Calif.
Pittman, William Nelson Jr., 37 ed Nampa
Pitts, Robert Bryson, 39 jc.....Emmett
Platt, Kenneth Batdorf, G Clarkston, Wn.
Platt, Louise Yeaman, 37 ed.....Boise
Poll, Dorothy, 37 ed.....Pocatello
Pomeroy, Betty Jane, S.....Fontenelle, Wyo.
Poole, Allan Walter, sp min Kelowna, B.C., Can.
Porter, Donald Burdett, 36 f G f Remington, Ind.
Porter, Emmet Benson, 39 ch Waitsburg, Wn.
Post, Jane, 36 ed.....Rathdrum
Pothier, Oscar Edward, 39 min.....Boise
Potter, Donald Bradford, 39 jc Wilder
Potter, Howard Lindsay, 39 f Meridian
Potter, Leslie C., S.....Tacoma, Wn.
Potts, Claude Henry Jr., 39 jc Coeur d'Alene
Potts, Edward Everett, 38 ed Coeur d'Alene
Poulson, Arnold Ernest, 38 ag Aberdeen
Poulson, Paul Herman, 38 ag.....Boise
Poulter, Eloise, S.....Logan, Utah
Poulton, Charles Edgar, 39 f.....Moscow
Power, Otto Alfred, 37 a.....Boise
Powers, William Douglas, 38 ed Burley
Prater, James Dean, 38 f.....St. Anthony
Preston, Kenneth LaMar, 38 min Coeur d'Alene
Preuss, Dorothy Emma, 36 h Tacoma, Wn.
Price, Edward John, 38 jc.....Gannett
Price, Gerald Montague, 39 ee....Wendell
Price, Paul Edward, 39 jc.....Boise
Prichard, Jarvis Burton, 39 min Thief River Falls, Minn.
Prichard, Theodore Jan, G a Thief River Falls, Minn.
Probst, Patrick Wilson, 39 jc Coeur d'Alene
Puckett, Hazel Vera, 37 ed Clarkston, Wn.
Puffer, Harold L., G S A ed SanLuis Obispo, Calif.
Pugh, Ralph Wendell, G ed Chicago, Ill.
Pugmire, Alice, G S.....Paris
Puhl, Quinn Wilson, 39 ed Port Angeles, Wn.
Purcell, Arthur Luke, 38 ed.....Rexburg
Purves, Edith Roma, G S New Plymouth
Purves, Norman Ralph, G S New Plymouth
Putnam, Robert Franklin, 39 jc....Boise

Q

Quayle, June, 37 ed.....Dingle
Quesnel, Clinton Chester, 36 f....Jerome
Quinn, Margaret Jane, 39 jc.....Peck
Quist, Blaine Aaron, 39 ag.....Arco
Quist, Margaret Allene, 36 ed Kooskia

R

Racine, Louis Frank Jr., 38 jc Glenns Ferry
Radford, George Gordon, 39 jc St. Maries
Radford, Ralph Allen, 38 ee....Buhl
Raef, Robert Hart, 39 min Spokane, Wn.
Ramey, Rowena Mae, 39 ed....Kendrick
Randall, Frank Otis, S 38 ed Lewiston
Randall, Marie Anna, S....Lewiston
Randall, Mary Frances, 38 ed....Moscow
Randall, Raymond Lewis, 39 jc....Kuna
Rankin, Vera Eaton, S....Orofino
Raphael, Anna Maria, 39 jc....Weiser
Rasmussen, Aaron Frederick Jr., 37 ag Rexburg
Rasmussen, Charles Ronald, 39 jc Fillmore, Utah
Ratcliffe, Charles Leonard, G S Twin Falls
Ratliff, Donald Elias, 39 f....Moscow
Ratliff, Robert Cole, 39 ed....Moscow
Raubach, Robert Theodore, 38 f Weiser
Rauw, Irving Harold, 39 f Spokane, Wn.
Rayburn, Arnold Jim, 38 f....Lewiston
Reardon, Thomas Alvin, G a....Moscow
Reckord, Gordon Everett, 38 jc Spokane, Wn.
Redford, Virginia, S....Rupert
Redlingshafer, Thomas Alexander, 37 b Juneau, Alaska
Redmond, Paul Homer, 38 ed Priest River
Reed, Dorothy Irene, 38 ed Montpelier
Reed, Duffy Edward Jr., 38 jc Twin Falls
Reed, James Burbank, G....Moscow
Reed, Vivian Mescal, 38 jc....Twin Falls
Reedy, Dorothy Phyllis, S....Kellogg
Reese, William George, 38 jc....Preston
Reid, Garth Oscar, S....Filer
Reid, Lucian Clare, G S....Manti, Utah
Reierson, Hattie Gunhilda, G S....Troy
Reinhart, Margurette Turner, 37 h New Plymouth
Reinsdorf, Elfriede Barbara, 38 ed Hansen
Remaklus, John Phil Jr., 39 jc....McCall
Renfrew, Edgar Earl, 36 s....Potlatch
Renfrew, William, S sp law....Moscow
Renner, Mildred Ernestine, S....Lewiston
Renner, Norma Bernice, S....Lewiston
Requa, Dorothy Inez, S 36 ed Kimberly
Requa, Esther, G S....Twin Falls
Retherford, Julia Wheaton, S....Moscow
Retherford, Robert Wheaton, 38 ee Moscow
Rettig, Clarence Everett, 38 ae Orofino
Rhoads, Nell Linn, S....Weiser
Rhodes, Jesse Decker, 39 f....Worley
Rhodes, Ruth Janet, 39 ed....Moscow
Rice, Emery Leslie, 36 ag....Eagle
Rice, Maxine, 39 mus.ed....Parker
Rich, George David, 36 ed....Filer
Rich, Leva Barbara, S....Pingree
Rich, Lewis Nunemaker, 38 ed....Filer
Rich, Samuel Jones, 39 jc....Blackfoot
Rich, Walker Junior, 37 b....Blackfoot
Richards, Chester, 39 min Neosho, Mo.
Richards, Frances Bethine, 39 ed Mackay
Richardson, Kenneth Fred, 37 f....Burke
Richelson, Paul Newton, 37 f Montpelier
Richman, Thelma Fern, S....St. Anthony
Richmond, Raymond Lee, 39 ag LaClede, Mo.
Ricks, Jessie Lonetta, 39 ed....Twin Falls
Ricks, Loanda, 36 b....Rexburg
Ricks, Rulon A., 38 ag....Rexburg
Riddle, Charles Lewis, 39 f Spokane, Wn.
Riddle, George Thomas, 38 jc Spokane, Wn.
Ridgeway, Gerald Webster, 39 jc Kimberly
Rieman, Elmer William Jr., 39 ag Hazelton
Rieman, Leo, 38 ge....Ferdinand
Ries, Robert Ramsey, 39 ee....Sandpoint
Rigney, Walter Douglas, 38 jc....Boise
Riley, Edward Michael, 38 jc Spokane, Wn.
Riley Harold Goldthorpe, 37 b Rexburg
Riley, Mary Katharine, 36 a Spokane, Wn.
Riley, Nina W., S....Rupert
Risenmay, Howard Leon, 39 ag Idaho Falls
Ritzheimer, Earl, 38 f....Coeur d'Alene
Robbins, Marjorie Elizabeth, 37 a Boise
Roberts, Earl Clark, 36 f....Moscow
Roberts, Homer Herbert, G S....Osburn
Roberts, James Bodily, 39 jc....Rupert
Roberts, John Francis, 39 ag Lava Hot Springs
Roberts, Lester R., G ed....Moscow
Roberts, Maud E. S., G S Coeur d'Alene
Roberts, Nellie Popkey, S....Jerome
Roberts, Neva Shiverick, S 36 s Moscow
Robertson, Dale Foster, 39 f....Roswell
Robertson, Ford Drenth, 38 a....Roswell
Robertson, Garnet Adelbert, 36 f Moscow
Robertson, Golden Katrina, 39 ed Moscow
Robertson, Kenneth Campbell, 37 ed Boise
Robertson, Martha Phyllis, G S Pullman, Wn.
Robinson, Audrey Isabelle, 37 b Gooding
Robinson, Fred, 37 b....Nampa
Robinson, Lawrence Herbert, 38 jc Nampa
Robinson, Mark Alexander, 38 jc Grangeville
Roe, Hazel Mary, G S A a....Boise
Rogers, Harold Glen, 38 jc....Portland, Ore.
Rogers, Helen Pauline, 39 ed....Rupert
Rogers, Robert Clayton, 38 jc....Moscow
Roise, Harold Sigward, 39 ed....Moscow
Rollefson, Ivan LeRoy, 37 ch....Moscow
Roman, Richard, 37 ch....St. Maries
Romero, Juan Derama, G a....Cebu, P.I.
Roos, Katherine Keller, 39 jc Lewiston
Roose, John Arthur, 39 f....Wardner
Rosa, John Marvin, 38 ce....Princeton
Rosebaugh, Mary Margaret, 36 ed Bonners Ferry
Rosevear, Dorothy May, S 37 a Glenns Ferry
Rosevear, Esther Louise, 39 ed Glenns Ferry
Rosevear, Henry Joseph, 38 jc Glenns Ferry
Ross, David Theodore, S....Moscow
Ross, Elmer Fredrick, 37 b....Boise
Ross, Gladys J., G S....Silver City
Ross, Verle Cleo, 38 f....Hazelton
Rounsavell, George Wallace, 38 law Coeur d'Alene
Rowell, Ralph Rudolph, G S....Lewiston

Roylance, Howard Bates, 38 ag.....Paul
Ruisch, Kurt Otto, 37 f....Salt Lake City, Utah
Rudd, Elsa, S.....Parker
Rudd, Ida, S.....Parker
Rudeen, Cecil Gordon, 38 a.....Troy
Ruebke, John Lee, 38 g.....Wallace
Runck, Laura Margaret, 38 ed Priest River
Runser, Albert Williams, 39 jc....Moscow
Runyon, George Lewis, 39 jc.....Buhl
Runyon, Ruth Elizabeth, 38 jc.....Buhl
Russell, Edward Baldridge, 36 ed Parma
Russell, Eva Mamie, 38 jc.....Moscow
Russell, Lois Elwood, G ed.....Moscow
Russell, Lois Velma, 37 ed.....Harrison
Russell, Roger Winslow, 37 f Appleton, Wis.
Rust, Paul James, G a....Coeur d'Alene
Ryan, Eugene John, 37 a.....Buhl
Ryan, James Thomas, S 39 f Grangeville
Ryan, Marion Roberta, 37 a.....Moscow
Ryan, Sam Gee, 37 b....Monrovia, Calif.
Rydholm, Bernice Maria, S 36 ed Moscow
Rydholm, Margaret Victoria, G S Moscow
Rytting, George, 37 a.....Thornton

S

Samm, Carol Jean, S 37 ed.....Moscow
Samm, Mary Kathleen, S 37 ed....Moscow
Sampson, Ellen Claire, 39 mus.ed Spokane, Wn.
Samson, Ralph Shirley, 36 ag Mt. Home
Sanborn, Rupert Arvid, 38 ee Coeur d'Alene
Sanders, Cedric Edgar, 39 jc Beverly Hills, Calif.
Sanders, Charles Eugene, 37 ed....Nampa
Sanders, Janet Elsie, 38 jc.....Wallace
Sanders, William Berryman, 39 jc Nampa
Sanderson, Herbert Stanley, 39 jc Coeur d'Alene
Sanderson, Rosalea, 38 a....Coeur d'Alene
Sandford, Joan, 37 ed.....Kellogg
Sanford, Thomas Henry, 39 me Genesee
Sanner, Dale Raymon, 39 f....Twin Falls
Sant, Arthur, G S.....Clifton
Sant, Elinor Shirley, S.....Clifton
Sant, Paul Treasure, G S.....Clifton
Sarles, Robert Walter, 38 jc....Blackfoot
Sather, Maxine Thornhill, A ed Moscow
Sather, Norman John, 36 met.e Moscow
Satre, Wendell Julian, 39 ee....Post Falls
Saunders, Gene Douglas, 36 ed Bonners Ferry
Savage, Mary Lois, S 38 jc Colfax, Wn.
Sawyer, Edna, 36 h.....Malad
Sawyer, Frank Hyrum, 36 ee.....Malad
Sawyer, Milo, 39 jc.....Twin Falls
Schade, Arthur Lincoln, G West Englewood, N.J.
Schaefer, Reinhardt H., 39 min.....Buhl
Schaub, Howard Adams, G S.....Logan, Utah
Schaufelberger, Oscar Edgar, 36 ee Bellevue
Schiller, John Robert, 38.... f....Shoshone
Schlegel, Henry Edward Jr., 36 med Portland, Ore.
Schlueter, Mary Caroline, G S Genesee
Schmidt, Barbara Louise, 36 b.....Buhl
Schmidt, Sherman Earnest, 39 jc Leland
Schmitt, Mary Elizabeth, 38 jc Gooding
Schmitt, Robert Mikkelsen, 39 f Emporia, Kan.
Schmitz, Orville Lillis, G S.....Lewiston
Schneider, Marie Magdalene, 37 a Spokane, Wn.
Schneider, Saxon Lorraine, 39 mus.ed Moscow
Schoenfeld, Walter Ernest, 37 ag Burley
Schoenhols, Helen Lucille, 36 a Rupert
Scholberg, Edna Marie, G S.....Moscow
Schroeder, Annabelle, S.....Jerome
Schroeder, Robert Paul, 39 jc Coeur d'Alene
Schroeder, Wilbur, 37 ag.....Moscow
Schroeder, William, G me.....Moscow
Schubert, Dale Leroy, 38 me Fruitland
Schubert, Kenneth Levi, 36 ee Fruitland
Schuettenhelm, Katherine Louise, 37 h Kellogg
Schuster, Charles Henry F., 39 met.e Rapid City, S. Dak.
Schwendiman, Alva, 37 ag.....Newdale
Schwendiman, Lysle Christian, 39 ch Sugar City
Scoggin, Charles Oscar S., 36 law Lindsay, Calif.
Scoggin, Dorothy Margaret, 38 ed Lindsay, Calif.
Scott, Ellen Marie, 39 ed.....Kimberly
Scott, George Fred, 38 jc New Plymouth
Scott, Glendon, S.....Idaho Falls
Scott, Howard Eugene, 37 ag....Meridian
Scott, Howard Vance, 38 jc.....Boise
Scott, Leslie William, 39 ag.....Reubens
Scott, Margaret Virginia, 38 ed Moscow
Scott, Orland Brebner, 39 jc Coeur d'Alene
Scott, Truman George, G S....Pocatello
Scow, Laurel Maxine, S.....Rexburg
Seaquist, Roger Bertram, 38 ag.....Rigby
Sears, Dorothy Marguerite, S.....Albion
Sebelist, Donald Ferdinand, 39 jc Sandpoint
Seeley, R. H., 38 law.....Hazelton
Seiber, Albert Raymond, 39 jc Caldwell
Sellers, John Edward, 39 ee....Sandpoint
Sellers, June Marguerette, S 38 h Sandpoint
Sellers, Victor Ormond, 38 f New Britain, Pa.
Senften, Harold Gilgan, 39 me Castleford
Severin, Mirland Henry, 38 jc Twin Falls
Severine, Raynor Howard, 36 ee Emmett
Seymour, Robert Grimmer, 36 b Tacoma, Wn.
Shafer, Fred Ellis, 38 f.....McCall
Shafer, Paul Wendell, 39 ce.....McCall
Shamberger, William David, G S Payette
Shannon, Glenn LeRoy, 38 jc.....Council
Shaver, Effie Sula, G S.....Nampa
Shaver, Virena Permal, G S Los Angeles, Calif.
Shaw, Charles Clinton, 37 law Pocatello
Shaw, William Howard, 36 f....Pocatello
Sheehan, Helen Jane, 37 ed.....Boise
Sherfey, Robert Gordon, S 39 jc Moscow
Sheridan, Donna Margaret, 38 ed Opportunity, Wn.
Shields, Alene Julia, 39 jc Spokane, Wn.
Shillington, Willard Henry, 37 b Rupert

Shipman, Horace Jennings, G S Twin Falls
Shira, Ruth Elizabeth, S.....Grangeville
Shonk, William Carl, G S A mus.ed Durham, Calif.
Shook, Vernon Phray, 38 med Sandpoint
Short, Mary Oliver, 37 h.....Eagle
Shrum, William Franklin, 39 jc Glenns Ferry
Shumway, John Rolly, 39 ed Powell Butte, Ore.
Sierk, Carl Frederick, 39 ag.....Kimberly
Silverberg, Savel Benhard, 36 f P f Gardner, Mass.
Simmons, Sister Mary Bernadette, G S Cottonwood
Simon, William Edgar, 36 me Cottonwood
Simpson, Ardis Marie, 39 jc.....Boise
Simpson, Minna, S.....Melba
Siple, Virgil Arthur, 36 ag New Plymouth
Skaar, Karsten Sigurd, 37 ch Sandpoint
Skina, Fred Arthur, 36 ee.....Wallace
Slatter, Edith Mary, 37 ed.....Hazelton
Slete, Justin Mellodew, sp jc....Wallace
Smead, Ann Elizabeth, 39 jc.....Boise
Smedley, Delsa Lorraine, 39 jc....Burley
Smiley, Thomas James, 37 a.....Bovill
Smiset, Oscar Vern, 36 ch.....Potlatch
Smith, Catherine Louise, 39 jc....Moscow
Smith, Darcel Call, 39 ch.....Rigby
Smith, Darrell Arthur, 38 jc.....Nampa
Smith, David W., S.....Malad
Smith, Delbert Whittle, 39 jc.....Oakley
Smith, Dorsey Orrin, 39 jc.....Moscow
Smith, Douglas Richard, 37 min Selah, Wn.
Smith, Earl LeRoy, 36 ce.....Twin Falls
Smith, Ella Loretta, 39 jc Garfield, Wn.
Smith, Elva, S 37 b.....Sugar City
Smith, Emy Lou, 38 ed.....Twin Falls
Smith, Frances Buelah, S.....Lewiston
Smith, Franklin Marshall, 39 g Garfield, Wn.
Smith, George, 39 f....Rhinelander, Wis.
Smith, Gladys Elizabeth, 37 ed Twin Falls
Smith, Gordon Cyril Jr., 39 min....Boise
Smith, Harley Belcher, G S.....Moscow
Smith, Harold Harris, 37 ed....Sandpoint
Smith, Jessie Josephine, 39 jc Garfield, Wn.
Smith, John Lyman, G S.....Oakley
Smith, Lester Raymond, 39 ed.....Notus
Smith, Lucy Elizabeth, S.....Malad
Smith, Mary Elizabeth, 37 ed Blackfoot
Smith, Mary Jean, 39 jc.....Boise
Smith, Robert Warren, 39 me....Gooding
Smith, Ronald Martin, G S.....Moscow
Smith, Roy, 37 ed.....Hansen
Smith, Russell Elmer, 36 f Glenns Ferry
Smith, Spokane Ramsey, 38 jc Spokane, Wn.
Smith, Stratford Jones, S....Logan, Utah
Smith, Thomas William Jr., 39 ag Rexburg
Smolinski, Roscoe Charles, 38 ee Greer
Snow, Edwin Arnold, 39 jc.....Council
Snow, Ellis Bernard, 36 b.....Council
Snow, Gilbert Arnold, 39 jc.....Rigby
Snow, Roland Verl, 36 ag.....Burley
Snyder, Freeman Woodrow, 38 f Kellers Church, Pa.
Snyder, Harvey B., G S.....Nampa
Snyder, Opal Alice, 36 ed.....Orofino
Soderling, Russell Neale, G S A ed Bonners Ferry
Solberg, Emma Lou, G S A ed....Kamiah
Soltman, Christine Leslie, 39 jc Grangeville
Soltman, Donald Jack, 38 jc Grangeville
Somerville, Alfred Henry, 37 f Burbank, Calif.
Sommer, George Russell, 38 ed Spokane, Wn.
Sommer, Gordon Alexander, 39 jc Spokane, Wn.
Sommer, John Willis, sp law Spokane, Wn.
Songstad, Leslie Allen, 39 jc....Moscow
Sonne, Faye, G S.....Logan, Utah
Sonne, Joseph Dean, G S....Logan, Utah
Sonstelie, James Carlyle, G S A ed Kalispell, Mont.
Sorenson, James Woodrow, 37 a Nez Perce
Sorenson, Lillian Louise, G S St. Maries
Sorenson, Royal, 37 ge.....Rexburg
Sorenson, Solveig Gladys, S St. Maries
Sorenson, William J., 39 jc....Nez Perce
Sorey, Rae Alene, G S.....Lewiston
South, Donna May, 38 jc.....Burley
Southworth, Donald Jay, 39 jc....Oakley
Southworth, Lloy Jones, S 40 jc Moscow
Southworth, Mark, 38 b.....Oakley
Southworth, Mildred Rita, 38 ed Moscow
Sowder, Arthur Merrill, G.....Moscow
Spalding, Naomi Alice, 39 jc.....Lapwai
Sparks, Ruland George, 39 ag.....Rupert
Spaugy, Donald Hubert, 37 ed....Moscow
Spaugy, Ralph Elmo, 37 ed.....Moscow
Spear, Clayton Verne, 37 law.....Clarkia
Speer, John Howard, 38 jc....Twin Falls
Speir, William James, 39 jc Hollywood, Calif.
Spence, Betty Winkler, 38 jc.....Moscow
Spence, Harry Lowe Jr., G ag.....Boise
Spence, Paul Edward, 39 f.....Moscow
Spence, Robert Leslie, 36 g.....Moscow
Spencer, Earl Frank, 38 ag.....Jerome
Spencer, Edward Charles, 36 ag Prescott, Wn.
Spencer, Frank Samuel, 39 f.....Carey
Spencer, Irene Hannah, 36 ed.....Victor
Spencer, Jeannette, 39 jc....Yakima, Wn.
Spencer, John Robert, 37 ed.....Wendell
Spencer, Robert Howard, 39 ag Prescott, Wn.
Spiers, Gordon Keith, 38 jc Lava Hot Springs
Spiker, Margaret Helen, G S Mica, Wn.
Spillman, Camilla, G S.....Logan, Utah
Spinney, Charleton Henry, 39 f West Medford, Mass.
Spooner, Jean Elizabeth, 39 jc Spirit Lake
Springer, Don Edward, 38 f.....Genesee
Stafford, Richard Stanley, 39 ce Kimberly
Stafford, Thomas Presly, 38 jc....Moscow
Stalker, Donald Dewey, S.....Blackfoot
Stallings, Lucile Vivian, S.....Moscow
Stallings, Robert George, 39 jc....Moscow
Stambaugh, Charles Wayne, 36 ag Aberdeen
Stanbery, Stanley William, G S.....Boise
Stanton, Edgar Williams III, 38 f Live Oak, Calif.

Stark, George William, 38 jc Coeur d'Alene
Stark, Laura Frances, S.....Unityville, S. Dak.
Stark, Russell Hunter, 38 ag Middleton
Starlin, Donald Glenn, 38 jc Spokane, Wn.
Starling, Harvey Wright, G S Opportunity, Wn.
Staudacher, Gerald, 38 law....Sandpoint
St. Clair, Catherine Odell, 39 jc Idaho Falls
St. Clair, Gilbert Clency, 38 law Idaho Falls
Stearns, Horace Myrl, 37 ee.....Calder
Steffens, Charles William, 39 f Blackfoot
Steiniger, Erich Julius W., 36 a P a Moscow
Steiniger, Herbert Kurt, 36 a....Moscow
Stephan, Robert Wellington, 39 jc Twin Falls
Stephens, LaRele Joseph, 38 jc Wendell
Stephenson, Derrick Abraham, A ed Lewiston
Stephenson, Vivian Thomas, S Toppenish, Wn.
Stevens, Courtney Emal, S 37 f.....Boise
Stevens, George Emerson, 39 jc Spokane, Wn.
Stevens, Gerald Howard, 39 ed Winchester
Stevens, Mary June, 38 jc.....Deary
Stewart, Effie L., S.....Cascade
Stewart, Eleanor Jane, S 36 mus.ed Post Falls
Stewart, Gerald Orndoff, 39 jc Moscow
Stewart, Jessie Elizabeth, 39 jc Post Falls
Stewart, Laurel Jean, S 38 jc....Cascade
Stewart, Thomas Basil, G.....Moscow
Stichter, Harold, 39 ce.....Buhl
Stim, Alex Jr., 38 ed Nesquehoning, Pa.
Stockton, Edgar Glenn, 38 ch.....Jerome
Stoddard, Bruce Walter, 39 min....Boise
Stoddard, Harold Taylor, 36 ee Shoshone
Stoker, Kay Luke, 38 met.e.....Shelley
Stokes, Clarence Homer, 38 jc....Osburn
Stokesberry, Vernetta Cynthia, 37 b Hazelton
Stokesberry, Waletta Bertha, 37 ed Hazelton
Stolle, Frances Claire, 39 jc.....Boise
Stone, Alfred Murphy, 39 jc.....Boise
Stone, Melissa Christina, 38 jc Spokane, Wn.
Stone, Samuel James, G S Coeur d'Alene
Stone, Vivian Lavina, S.....Moscow
Stone, Warren, 38 ag.....Ogden, Utah
Storch, Dick Henry, 36 min Omak, Wn.
Stout, Emerald Wycliffe, G S.....Moab, Utah
Stover, Stephen Dan, 38 min.....Weiser
Strachan, Robert Ramsay, 37 ce Wallace
Strawn, Loren Glenn, 36 a.....Cabarton
Stredder, Charles, G S.....Nampa
Stroh, Clarence August, S.....Sterling
Stromberg, Ovid Nels, 39 jc....St. Maries
Stroschein, Violet Carol, S 37 ed Sterling
Stuart, Robert Welton, 38 jc.....Buhl
Studebaker, Billy Briggs, 38 ed.....Buhl
Sturdevant, Lula May, 38 ed.....Moscow
Sturgeon, Dorothy Velma, G ed Murtaugh
Sturgill, William V., 39 ed.....Moscow
Styffe, Hobart Hilbert, sp f Port Arthur, Ont., Can.
Suksdorf, Calvon Kerk, 39 f.....Troy
Sullivan, Grover Cleveland, G S Hailey
Sullivan, Helen Ford, 39 jc.....Boise
Sullivan, Mary Alice, 39 jc.....Kellogg
Summer, Violet Elizabeth, 37 b.....Eden
Summerfield, Genevieve Juliet, 38 ed Moscow
Summers, Lewis Stephen, 37 b.....Sagle
Summers, Pearl Mary Louisa, 38 ed Sagle
Sundberg, Clinton Ross, 37 ed Idaho Falls
Sundberg, Keith Covington, 39 ed Idaho Falls
Suter, Floyd Louis, G S A ed Priest River
Sutherland, Eleanor Troeger, G Moscow
Sutton, Frank Paul, 38 ag.....Midvale
Sutton, Helen Ann, 39 jc.....Weiser
Swann, Herschell Wallace, 36 b P b Orofino
Swanson, Marian, 37 ed....Denver, Colo.
Swanson, Robert Emil, 38 f Galesburg, Ill.
Swartz, Iris Savilla, S.....Nez Perce
Swayne, Margaret Jane, 39 jc Clearwater
Sweesy, Ruth Imogene, G S Walla Walla, Wn.
Sweet, Margaret Amelia, G ed Lewiston
Swendig, Dorothy Kathleen, 38 jc St. Maries
Swingler, Richard Taylor, 37 mus.ed Lewiston
Swisher, George William, 37 b St. Maries
Swofford, Willis Gordon, 39 ee Potlatch

T

Taft, Elmer Louie, 39 ce.....Athol
Taggart, Goldie May, G S Walla Walla, Wn.
Taggart, Vernon David, 39 f.....Meridian
Talbot, Oral, 37 ed.....Malad
Talbott, John Westall, 38 jc.....Moscow
Talbott, LaVera May, 36 a.....Moscow
Talbott, Loyal Elmer, 36 s.....Moscow
Tanner, Mildred Hogg, S 36 ed Moscow
Tarbox, Glenn X., S 38 b.....Bovill
Taylor, Clarence Edward, 38 jc Caldwell
Taylor, Curtis Ray, 36 ag.....Rigby
Taylor, Gerwin George, 36 ch....Moscow
Taylor, Harold Arthur, 38 ed Plummer
Taylor, Jack Woodrow, 40 f Montpelier
Taylor, Kenneth Maurice, 38 jc Plummer
Taylor, Lamar Arwell, G S.....El Paso, Texas
Taylor, Lewis Jean Jr., 39 ag....Rexburg
Taylor, Morton Casady, 36 law.....Nampa
Taylor, Paul Francis, 38 ce.....Moscow
Taylor, Paul Frederick, G S.....Boise
Taylor, Robert Andrew, 38 f.....Oilton, Okla.
Taylor, Robert Kent, 39 jc....Sandpoint
Taylor, Ruth Emily, 37 ed.....Sandpoint
Taylor, Stanley Leroy, 39 f.....Moscow
Taylor, Thomas Alva, 38 f.....Payette
Taylor, William Duncan, 37 f Redondo Beach, Calif.

Taylor, William Gordon, 38 jc Naches, Wn.
Tedford, Jean Marie, G S Polson City, Calif.
Teed, William Edward, S Coeur d'Alene
Teeter, Robert Harold, 38 ag....Meridian
Tegan, Rodney Rupert, 37 ag.....Filer
Tegan, Warren Alma, 39 ag.....Filer
Tegland, Constance Janice, 38 ed Genesee
Telcher, Julia Margaret, 38 jc Grangeville
Templin, Clarence Lester, 39 f North Platte, Nebr.
Tennyson, Albert Henry, G a.....Boise
Terhaar, Carolyn Marie, S....Cottonwood
Terhaar, Edward Joseph Jr., 39 ee Cottonwood
Terrell, Claude B., G ed.....Corbin, Ky.
Terrill, Louise Walker, S.....Idaho Falls
Tessier, Robert Andrew, G ed Moscow
Teuscher, Alma Edwin, G S Lewisville
Thatcher, John Kenneth, G S A ed Sugar City
Thiessen, Alana Pauline, 37 ed Culdesac
Thiessen, George Roscoe, 37 ed Lewiston
Thomas, Daniel Darrow, S.....Blackfoot
Thomas, David Kenneth, S.....Shelley
Thomas, Donald Richard, 36 ed St. Maries
Thomas, Gretta Mae, S.....Kimberly
Thomas, Helen Carol, S.....Pingree
Thomas, Henry Ward, G S.....Malad
Thomas, John Graham, 36 ed.....Ashton
Thomas, Lewis Ambrey, G S Lewisville
Thompson, Charlotte Louise, 38 jc Post Falls
Thompson, Doris Charlotte, 39 jc Warren
Thompson, Earnest Lavelle, 38 f Warren
Thompson, Forrest George, 39 jc Idaho Falls
Thompson, Keith Vernon, 39 jc Wallace
Thompson, Kenneth Theodore, 36 s Wallace
Thompson, Loyd Elton, G S Soda Springs
Thompson, Mary Catherine, 37 h Moscow
Thompson, Robert Mark, 36 ed Post Falls
Thompson, Roy Clarence, 39 jc Moscow
Thompson, Victor Milford, 37 a Preston
Thompson, Warren A., 38 jc.....Burley
Thompson, Willard Louis, 38 jc Potlatch
Thomson, George Hagan, S 39 ee Rushford, Minn.
Thomson, William Logan, 39 jc.....Boise
Thorall, Verna Adeline, 36 ed Eugene, Ore.
Thornhill, Raymond Perle, 37 med Kellogg
Thornock, Owen Douris, G S Bloomington
Thornton, Margaret Helen, 38 jc Coeur d'Alene
Throckmorton, LaVerne Carlson, G S Twin Falls
Throckmorton, Marjorie, G S.....Burley
Thrupp, Adrian Cracroft, G f Vancouver, B.C., Can.
Thrupp, Winifred Daisy Odams, 39 jc Vancouver, B.C., Can.
Thune, Roman Carl, 39 jc Spokane, Wn.
Thurston, Jean, 39 jc.....Payette
Tierney, John Jacob, 36 ed Uniontown, Wn.
Tierney, Mabel Catherine, 36 ed Uniontown, Wn.
Tierney, Richard Anthony, 36 ed G ed Uniontown, Wn.
Tigert, Russell, 37 med.....Soda Springs
Tileston, Fred Marion, 39 ce.....Boise
Tiller, Charles Frederick, 39 min Post Falls
Tillotson, LeRoy Conrad, 38 ee Kellogg
Timken, Howard Woodrow, 36 g Kellogg
Tippets, Vaughan, 36 f.....Pocatello
Titus, Frank A., 37 ed.....Nampa
Titus, Marjorie L'Herisson, 37 ed Jerome
Toevs, John Elbert, 37 s.....Aberdeen
Toevs, John Leonard, G ag....Aberdeen
Tolford, Harry Clark, 38 ce Spirit Lake
Tolles, Howard Warren, 38 f Sioux City, Iowa
Tolman, Rex C., 37 ed.....Murtaugh
Tomlinson, Gladys Louise, 38 ed....Buhl
Tonning, Wayland Avery, 37 a....Weiser
Toone, Theodore Philip, G S A ed Gooding
Torelle, Albert Edward Jr., 38 ee Coeur d'Alene
Torgerson, Harold Oliver, 39 ee Elk River
Torgesen, John Lau, G s Soda Springs
Tovey, Devere, 37 ag.....Malad
Tovey, Jack, 36 ed.....Malad
Tovey, Keith Daniels, 38 ag.....Malad
Towne, Archie Cameron, 38 jc Wallace
Towne, Robert John, 38 jc.....Wallace
Townsend, Dan Jerome, 37 f....Moscow
Tracy, Donald, 38 jc.....Moscow
Tracy, Orrin Ardeen, S.....Moscow
Trevey, James Bailey, 37 ag.....Payette
Trude, William C. Jr., 36 ce.....Ashton
Trude, Winifred Margery, 39 jc Island Park
Trueblood, Ted, 39 min.....Boise
Trunnell, Ailene Drucillia, 39 mus.ed Wilder
Trzuskowski, Richard Alois, 39 ee Milwaukee, Wis.
Tschakert, Mark William, 38 ch Kent, Minn
Tucker, Dudley Grant, 37 ag.....Parma
Tucker, Harold Mark, G S.....Caldwell
Tucker, Robert Clifton, 36 ag....Emmett
Tucker, Robert Lester, 39 min....Orofino
Tullett, Elvina Buelah, 38 ed Idaho Falls
Tulley, Harlan Norval, 39 f.....Worley
Tulley, Maurice Wesley, 36 ed....Worley
Tumelson, Floyd Orville, 37 f.....Peck
Turinsky, Helen Sonya, 39 jc....Moscow
Turinsky, Otto, G.....Moscow
Turnbaugh, Orville Wendelle, G S A ed Moscow
Turnbull, Helen Florence, 39 ed Moscow
Turner, Clarabelle Marie, 37 ed Nez Perce
Turner, Edmond L. Jr. 36 ag Twin Falls
Turner, Edward Lee, 39 f St. Louis, Mo.
Turner, George Thomas, 36 f Kimberly
Turnidge, Ralph Edwin, 37 ed.....Weiser
Turrentine, Lloyd Ivan, 36 jc Escondido, Calif.
Tuson, William L., 36 law.....Kellogg

U

Ultican, Thomas James, S.....Rupert
Unander, Ralph LeVerl, 37 ag.....Burley
Underdahl, Conrad Rudolph, 39 ed Moscow
Underdahl, Pearl, 37 ed.....Moscow
Underkofler, Ruth Margaret, G S A Caldwell
Underwood, Vernon Leroy, 37 f Myrtle
Upham, Amos Benjamin, 39 ce....Kamiah

V

Van Buskirk, Ben John, 39 f.....Dayton, Wn.
Van Fredenberg, Woodrow Emerson, S 38 mus.ed Coeur d'Alene
Van Sise, Jack Irving, 39 jc Grangeville
Varian, Nina Louise, S.....Boise
Vaughan, Tim Mack, 38 jc.....Boise
Vealey, Betty Jane, 39 ed.....Montpelier
Vennigerholz, Philip, 39 ag.....Moscow
Verberkmoes, Robert Louis, 38 jc Kooskia
Vervaeke, Robert, 39 min Bossburg, Wn.
Vickers, Verdena, G S.....Logan, Utah
Viel, June, 39 jc.....Salmon
Vincent, Ddwain Wilber, 36 a.....Boise
Vincent, Odalite H., G S.....Moscow
Vincent, Wilbur Dale, 38 ee.....Moscow
Vining, Wyatt Dale, 39 ag.....Jerome
Virtue, Mildred Brooks, sp jc....Moscow
Voelker, Ethel Tyson, G.....Moscow
Vosatka, Hannah Tolmie, S.....Blackfoot

W

Wade, Kenneth, 37 ag.....Lewiston
Wade, Roger Kingman, 37 ae....Lewiston
Wagner, Elmer Clem, S.....Lewiston
Wagner, Esther Mary, 39 ed Coeur d'Alene
Wagner, Geraldine Anne, 37 a Pocatello
Wahl, Douglas Joseph, 38 f.....Kellogg
Wakefield, Frances Eva, 38 ed....Moscow
Wakefield, Harry Marrian, 39 ag Emmett
Wakeley, Sherman Earl, 39 met.e Spokane, Wn.
Walch, Val Albert, 38 ed.....Rupert
Walden, Agda Sophie, 38 mus.ed Bonners Ferry
Walden, Clarence Etterick, G S Ione, Wn.
Waldram, Gwen, 39 ed.....Sugar City
Waldram, LuDeen, 37 ed.....Sugar City
Waldram, Marie, G S.....Sugar City
Waldram, Ruth, G S.....Sugar City
Waldrop, Elizabeth Alida, 39 jc....Boise
Walker, Barbara Alice, 37 a.....Caldwell
Walker, Barbara Elizabeth, 38 jc Hailey
Walker, Harvie Ellis, 36 ed G ed Scranton, Pa.
Walker, James Robert, 36 ag.....Moscow
Walker, Lester Carl Jr., 36 a.....Boise
Walker, Sarah Venable, 38 jc.....Boise
Wall, George Alexander, G S A ed Mullan
Wall, Mary Snow, G S A ed.....Mullan
Wallace, Glen Beck, 39 me.....Kendrick
Wallen, Helen Marguerite, 38 ed Bonners Ferry
Wallis, Floyd C., 39 f.....Boise
Wallis, Nellie Irene, 39 mus.ed Nampa
Walstra, Dorothy Ann, S.....Wendell
Walters, Ellamae, 37 ed.....Weiser
Walters, Rema Alene, 37 ed.....Weiser
Walton, Dorothy Gregg, S 38 jc Moscow
Ward, Ray Lavoile, 39 f Lake City, Calif.
Ward, Reuben Alfred, G S.....Elba
Ward, Ruth Ann, 37 a.....Caldwell
Ward, Sylvia, G S.....Elba
Ward, Theron William, 36 a.....Jerome
Ward, Walter Milan, 36 f.....Bismarck, N. Dak.
Wardle, Delsa Taysom, 40 jc.....Moscow
Wardle, Norval Junius, 37 ag Rockland
Ware, Jane Gretel, 37 a.....Pocatello
Wark, Judson Woodring, 37 ce.....Boise
Warner, Ida M., S.....Boise
Warner, Ralph Eugene, 39 ee....Kellogg
Warner, Victor Eugene, 38 law.....Boise
Warner, William Franklin, G S A ed Malad
Warren, Juanita Edna, 39 jc Spokane, Wn.
Washburn, William James, 39 jc Spokane, Wn.
Wasserman, Oscar, 38 jc....Los Angeles, Calif.
Watkins, Evelyn Brown, S.....Rupert
Watkins, John Goodrich, G S A ed Rupert
Watkins, John Thomas, G S.....Cascade
Watson, Frank Follette, S.....Rupert
Watson, Howard Carroll, 37 f Philadelphia, Pa.
Watson, James Fredrick, 38 ch....Parma
Watson, Marjean Crites, 37 h....Moscow
Watson, Willam Benjamn, 37 ae....Peck
Watt, William Linn, 39 ag.....Buhl
Wayne, James Wade, 38 law.....Wallace
Weatherby, Xena Harrison, 37 mus.ed Juliaetta
Webb, Carmen Edith, 37 ed.....Weiser
Weber Max Ray, 37 law Spokane, Wn.
Wedin, Martha Rosetta, G S.....Moscow
Wein, Annette Hildred, 37 a Spokane, Wn.
Weisel, Henry Edgar, G S A ed Albion
Weisshaupt, William Jonathan, 38 ce Boise
Weldon, Helen Melissa, G b Spokane, Wn.
Wellner, Henry Alfred, 37 ee Twin Falls
Wells, James Port, 36 a.....Weiser
Wells, John Cawse, 36 ge.....Weiser
Wells, Wade Glen, S 37 ag.....Gooding
Wells ,William Vincent, 39 ce.....Boise
Wenaas, Sigurd Bjarne, G S.....Butte, Mont.
Wendler, Charles Frank, 39 jc Rathdrum
Wennersten, Esther Margaret, 38 ed Nampa
Wennstrom, Harold, 39 ed.....Gooding
Wentworth, Ernestine Cappy, 38 jc Ketchikan, Alaska
Werner, David Glenn, G S Glenns Ferry
West, Dessie Estelle, G S.....Wendell
West, Edward Hamilton, G.....Moscow
West, Wayne William, 39 f.....Buhl
Westerdahl, Melvin Auctor, 39 ed Rathdrum
Westergard, Elden Denning, 39 ag Idaho Falls
Westerlund, Helen Mary, 39 jc Coeur d'Alene
Westfall, Chester Scott, 39 me Craigmont
Westover, Reo Smith, 39 ag.....Rexburg
Wetherall, William Bascom, 37 law St. Maries

Wetter, Hans, 38 jc.....Plummer
Wetter, Nicklaus, 38 f.....Plummer
Wetzel, Barton Oliver, 39 f Garfield, Wn.
Wetzel, Victor ,G S.....Nampa
Wevley, Betty Louise, 40 jc Spokane, Wn.
Weyermann, George Ferdinand, 37 f St. Maries
Whalen, Mary Kathryn, 38 ed....Payette
Wheatley, La Reen, S....Brigham City, Utah
Wheeler, Joe Burton, 37 f Baldwin Park, Calif.
Whelchel, Harold Carver, G S A ed Emmett
Whitaker, Arthur Charles, 36 s.....Buhl
Whitcomb, Florence Ferne, 39 jc Bonners Ferry
White, Albert Hartman, 38 ch Bonners Ferry
White, Arthur Loyd, 39 jc.....Nez Perce
White, Frank Dexter, 39 ag.....Lewiston
White, Parthena Jane, S 38 jc Lewiston
Whiteley, Alicebeth, S.....Oakley
Whiteley, Osburn Earl, 38 jc.....Oakley
Whitemen, Dorothy Mae, 37 a....Cataldo
Whitesel, Glen Martin Albin ,38 jc Spokane, Wn.
Whiteside, Lawrence Winton, 37 b St. Maries
Whiting, John Martin, G S.....Heyburn
Whitney, Ethlyn O'Neal, G a....Moscow
Whitson, Henry Gray, 37 b.....Boise
Wickes, Jo Betty, 38 ed.....Boise
Wickes, Mary Gertrude, 38 ed Spokane, Wn.
Wickward, Clifford LeRoy, 39 g Wallace
Wiens, Helen Frances, G.....Moscow
Wilcox, Jack Chester, 38 jc.....Boise
Wilcox, LeRoy Clark, G S Salt Lake City, Utah
Wilde, Willard Joseph, 38 law....Moscow
Wilding, Malin Telford, 38 ae Teton City
Wilds, Judith Crites, 37 s.....Moscow
Williams, Anna Hyndman, S Lowden, Iowa
Willaims, Bruce Ingram, 39 jc Kellogg
Williams, Dorothy Clara, 36 b Bellevue
Williams, Edris, 39 jc.....Boise
Williams, Everette Gerald ,G S A ed Lowden, Iowa
Williams, George D., G S A Center Point, Iowa
Williams, Helen Lenore, 38 jc Spokane, Wn.
Williams, Homer David, 37 ed.....Malad
Williams, John Gerard, 39 jc Spokane, Wn.
Williams, James Kenneth ,G ag Moscow
Williams, Mary Edwina, S 36 h....Moscow
Williams, Melborn Max, 37 b Grangeville
Williams, Milford Edward, G S Montpelier
Williams ,Robert Anderson, 38 b Twin Falls
Williams, Robert Theodore, 37 min Boise
Williams, Russell Wayne, S.....Moscow
Williams, Virginia Marie, 37 ed Spokane, Wn.
Williamson, Frances Renetta, 38 jc Jerome
Williamson, Mary Jane, 39 ed Spokane, Wn.
Williamson, Zoe, 39 jc.....Moscow
Willis, Galen Nesbit ,36 law.....Rupert
Willmore, Bert LeRoy, 37 ag....Rexburg
Willott, George William, 38 ed Manitowoc, Wis.
Willsey, Marian, 38 jc.....Idaho Falls
Wilson, Angus Archibald, 36 ed Kamiah
Wilson, Arthur Verne, G S.....Moscow
Wilson, Carl Clifford, 39 f.....Nampa
Wilson, Clayton Ralph Jr., 39 jc Coeur d'Alene
Wilson, Cromie Leland, 37 b....Lewiston
Wilson, Donald Marshall, 37 s.....Boise
Wilson, Donald William, 38 f Spokane, Wn.
Wilson, Edgar Frederick, 39 jc Aledo, Ill.
Wilson, Glenville Starr, S Newport, Ore.
Wilson, Helen Eliza, 38 ed.....Twin Falls
Wilson, Helen Pauline, 36 a....Lewiston
Wilson, Karl J., 38 mus.ed.....Burley
Wilson, Lawrence Albert, 39 ag Juliaetta
Wilson, Louis Richard, 39 f Cottonwood
Milson, Marjorie Eleanor, 36 ed Moscow
Wilson ,Nellie Berniece, 36 mus.ed Kuna
Wilson, Noel Avon, 37 a.....Kellogg
Wilson, Norman William ,G S A a Newport, Ore.
Wilson, Ralph Coleman, 39 ed Twin Falls
Wilson, Ralph Thomas, 39 ce.....Driggs
Wilson, Richard Henry ,39 jc.....Boise
Wilson, Robert Jesse, 39 f.....Clarksfork
Wilson, Ronald Brazee, G S.....Burley
Wilson, Thomas Israel, 37 f Hopewell, N.J.
Wilson, Vincent Vance, 39 f Bismarck, N. Dak.
Wilson, Wilma Irene, 37 a Coeur d'Alene
Wimer, Frances Lee, G S.....Wallace
Windham, Stanley Edward, G S Kirbyville, Texas
Windl, John Clifton, 39 f Sheridan, Wyo.
Wines, Jeanette Eda, S 36 ed.....Boise
Winger, Ancil, 39 ag.....Preston
Winter, Roland Howard, 39 ed Appleton, Wis.
Winters, Frederick Adelbert, 38 ee Lewistown, Mont.
Wintle, Eldon G., S.....Honeyville, Utah
Wirt, Lillian Janette, S G Los Angeles, Calif.
Wise, Arthur Vernon, 37 ag.....Jerome
Wise, Henry Francis, 38 g Hollywood, Calif.
Wise, John Budd, 39 jc.....Jerome
Wise, Paul ,37 ed.....Covina, Calif.
Wishart, Harry Clarence ,37 ed Weiser
Wiswall, Clinton Henry, G ag....Moscow
Wodskow, Darrel Hanks, 39 jc Heyburn
Wodskow, John Arnold, 39 jc....Heyburn
Wohllaib, Esther Mae, 36 h....Twin Falls
Wohllaib, Mildred Evelynne, G S Twin Falls
Wolf, Amber Irene, 37 h.....Livingston, Mont.
Wolff, Verona Wilhelmina, G S Carthage, Ill.
Wood, Arch Bertram, 38 law.....Malad
Wood, Edgar Lyman Jr., 37 s....Wallace
Wood, Edna Belle, 37 a.....Boise
Wood, Everett Roberts, 38 jc....Caldwell
Wood, Morton Alden, 38 jc.....Huston
Woodbury, Malcolm Edward, 39 jc St. Johns, Mich.
Woodruff, J. R. Jr., 37 min. .....Boise

Woodruff, Samuel Amos, 36 ch Blackfoot
Woods, Jack Elison, 37 ag.....Emmett
Woodson, William Arthur, 40 ce Clarksfork
Woodward, Clifford William, 38 jc Leland
Woodward, George Kermit, G ed Moscow
Woody, Alvin Lyle, 39 f.....Connell, Wn.
Woody, Howard Glenn, 37 med Park Ridge, Ill.
Worley, Clair Lynnette, G s Phalanx Sta., Ohio
Worthwine, Oscar William Jr., 39 jc Boise
Wray, Marie Madeline Annie, 39 ed Weiser
Wright, Chatt Grandison, G S....Yoder, Wyo.
Wright, Fern, S.....Sterling
Wright, George Burnell, S.....King Hill
Wright, Gerald Norman, 38 jc..Lewiston
Wright, James Lewis, 38 jc.....Buhl
Wright, Jonathan William, 38 f Spokane, Wn.
Wright, Paul Wilson, 38 f.....Orofino
Wright ,Pender Thomas, 38 a....Moscow
Wright, Telpher Espa, S.....Plummer
Wycoff, Fletcher Robertson, 40 jc Spokane, Wn.
Wycoff, Margaret Elizabeth, 38 jc Spokane, Wn.
Wynn, Alice Julia, 39 jc....Spokane, Wn.
Wysong, George Henry, 39 ch Nez Perce
Wyss, Freda Elizabeth, 38 ed.....Grace
Wyss, Jo, 39 ed.....Grace

Y

Yaggy, Elinor May, G S.....Rupert
Yahraus, Fred Andrew Jr., 38 ge Clarkston, Wn.
Yeager, Charles Casper, 38 jc Philadelphia, Pa.
Yenni, Wayne Kenneth, 39 jc.....Leland
Yoder, James Glen, 39 jc.....Nampa
Yorgesen, Russell Soren, 39 ce Shelley
York, Clifton Grover, 38 jc.....Rupert
York, Mary Lorita, 39 ed.....Carey
York, Raymond Sterling, 38 jc New Haven, Conn.
York, Wayne Leroy, 36 ed.....Carey
Yost, Darrell Herman ,S.....Blackfoot
Young, Burton Henry, 36 b....Rathdrum
Young, Clara, 39 jc.....Ogden, Utah
Young, Erma Lillian, G S.....Sandpoint
Young, Forest Theodore, 39 ce Wallace
Young, George Earl, S Sunnyside, Utah
Young, John Rayner, 39 jc.....Lewiston
Young, Marcus Le Strand, S.....Weiser

Z

Zamzow, Bernard Eldon, 39 ag.....Boise
Zilka, Mary Theodora Ann, 39 ed Coeur d'Alene
Zimmerman, Don Rolance, 39 f...Boise
Zuur, Theodore Jerome A., 38 f Orinda, Calif.

SPECIAL STUDENTS—NON-COLLEGE CREDIT

Symbols in the following list are to be interpreted thus:

S	Summer School	mm	Motor Mechanics
m	Music	de	Deisel Engineering
d	Commercial dairying	c	Carpentry

Armour, Jean, m.....Moscow
Armstrong, Betty, m S m.....Moscow
Bailey, Nita Miller, m.....Moscow
Baumgartner, Charles William, d Genesee
Berg, George Pearson, d....Opportunity, Wn.
Betts, Floyd James, d.....Nampa
Blackburn, Howard Taft, de.....Moscow
Bloor, Byron, m.....Moscow
Bonnett, John, m S.....Moscow
Bonnett, Robert, m.....Moscow
Boyd, Bufford, mm.....Nez Perce
Briggs, Edmund Henry, d....Hermiston, Ore.
Brown ,Jack Clifford, mm.....Plummer
Brown, William Eddy, mm.....Rexburg
Bulfinch, Gardner, m S.....Fairfield
Cade, Clarence H., d.....Worden, Mont.
Campbell, William Raymond, de Glenns Ferry
Carlson, Franklin Edward, c.....Gem
Claus, Phyllis Ann ,m.....Moscow
Coleman, Loyd, mm.....Melba
Cook, Melvin Leon, d.....Salmon
Crawford, Jean, m.....Moscow
Daugherty, Virginia Alice, m....Reubens
Dewey, Frances, m S.....Lewiston
Dodrill, Frank Lee, mm.....Arco
Dwight, Marian, m S.....Moscow
Fahrenwald, Mary-Low, m.....Moscow
Farmer, Frederick, m.....Moscow
Fedder, Jean, m.....Moscow
Fifield, Blanche, m S.....Weston
Fogle, John Leslie, de.....Moscow
Gabby, Mary, m.....Moscow
Gehrke, Gertrude Grace, m S....Moscow
Gormsen, Clarence George, c....Moscow
Gormsen, Harold, W., de mm....Moscow
Graham, John Roop, mm.....Payette
Grant, Harley L., d.....Culdesac
Greek, Norvin Ellsworth, mm Nez Perce
Hanby, Eugene Henry, d.....Hermiston, Ore.
Hart, Merwyn Mohlon, de.....Craigmont
Hauck, Lulu Mae, m.....Moscow
Hawkins, Agnes Ramstedt, m Coeur d'Alene
Heckert, Elwin Byron, mm.....Bellevue
Heriford, Charles Robert, de....Plummer
Hoppert, Nelva Jane, m S.....Boise
Howard, Jane, m S m.....Moscow
Hubbard, Oliver Art, mm.....Holbrook
Hungerford, Doris, m.....Moscow
Irwin, Evelyn, m.....Spokane, Wn.
Johnson, Jerome, m.....Moscow
Keller, William C., d.....Culdesac
Kenworthy, Joyce, m.....Moscow
Kissane, Esther, m S.....Pocatello
Kreitzer, Everett Ferrell, mm St. Maries
Kriebel, Alta, m S.....Garfield, Wn.
Larson, Clara, m S.....Oxford
Lee, Alys, m S.....Moscow
Long, Jonathan B., m.....Moscow

Luce, Bender Albert, d.....Moscow
Luce, Clyde, d.....Moscow
Lyon, Alice, m.....Moscow
McClelland, Riley Hugh, d....Absarokee, Mont.
McCoy, Bernice, m S.....Moscow
McGlocklin, Gilbert H., d Bonners Ferry
March, Robert Fredric, de.....Weiser
Maxey, Aurel, m S....Walla Walla, Wn.
Maxey, Marilyn, m S....Walla Walla, Wn.
Maynard, Jack, de.....Johnson, Wn.
Meyers, Francis Ramand, de Coeur d'Alene
Michel, Wolford, d.....Caldwell
Monroe, Joe Frank, d.....Culdesac
Nelson, Mary Kathleen, m S....St. Maries
Nogle, Bernard Clean, mm.....Bovill
Norling, Hildur E., m.....Moscow
O'Connor, C. J., m.....Moscow
Olson, Clarence Bernard, mm Nez Perce
Oswald, John, d.....Walla Walla, Wn.
Pearson, Raymond Walfred, mm Pocatello
Peech, Michael, m.....Moscow
Peterson, Winifred, m S.....Idaho Falls
Pettit, Allan, d.....Sioux City, Iowa
Pierson, Glen Bradley, d....Hilgard, Ore.
Polston, Woody, d.....Columbus, Mont.
Powell, Helen, m S.....Moscow
Ramstedt, Lucile Victoria, m.....Moscow
Randall, Frank Arthur, c.....Moscow
Robinson, Alfred, m.....Moscow
Rucker, June, m.....Pullman, Wn.
Rydholm, Paul Victor, mm.....Moscow
Safranek, Patricia, m S.....Moscow
Schmitz, Kenneth Adam, d.....Hampton, Iowa
Scully, Ray, d.....Culdesac
Simrok, Joseph, c.....Moscow
Smith, Harold E., d.....Spokane, Wn.
Songstad, Edna Mae, m.....Moscow
Southwick, Frank Marion, d.....Buhl
Stone, Lois, m.....Moscow
Swartz, Gaylord William, mm Nez Perce
Taylor, Eugene Emerson, m.....Moscow
Tembreull, Richard Daniel, d....Seattle, Wn.
Vogt, Fred, d.....Chewelah, Wn.
Vosatka, Frances Fay, m S.....Blackfoot
Walker, Robert Danson, mm.....Burke
Western, Howard A., m S Glenns Ferry
Winegar, Vernon William, mm.....Buhl

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

SUMMARY

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Idaho	2164	250	70	742	56
States other than Idaho	457	49	16	151	19
Territories and Foreign Countries	21	6	....	3	1
Total	2642	305	86	896	76

COUNTIES IN IDAHO

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Ada	191	21	....	43	7
Adams	9	1	....	2	....
Bannock	66	20	1	22	4
Bear Lake	12	2	....	8	....
Benewah	47	2	3	17	....
Bingham	45	7	....	33	3
Blaine	17	2	1	4	2
Boise	10	2	....	1	....
Bonner	47	4	....	11	2
Bonneville	35	1	....	13	....
Boundary	17	2	1	2	1
Butte	5	2	1	....	....
Camas	1	1	....	4	....
Canyon	83	13	3	22	1
Caribou	7	1	....	2	....
Cassia	47	5	....	19	2
Clark	1	1	....	....	....
Clearwater	37	4	....	9	2
Custer	8	2	....	3	....
Elmore	15	2	1	12	....
Franklin	22	2	....	16	....
Fremont	21	2	....	8	....
Gem	35	5	....	7	1
Gooding	39	5	....	10	1
Idaho	48	2	....	18	....
Jefferson	14	6	....	7	....
Jerome	35	4	....	4	....
Kootenai	129	14	2	40	1
Latah	481	41	38	200	5
Lemhi	10	1	1	3	....
Lewis	38	5	6	9	3
Lincoln	9	2	....	3	....
Madison	50	3	1	15	1
Minidoka	50	6	....	25	1
Nez Perce	113	11	4	36	2
Oneida	16	2	1	10	1
Owyhee	5	....	....	6	....
Payette	34	3	1	11	3
Power	6	3	....	4	....
Shoshone	116	11	2	25	5
Teton	6	6	....	5	....
Twin Falls	138	17	2	38	6
Valley	17	2	....	5	1
Washington	32	2	1	10	1
Total	2164	250	70	742	56

STATES OTHER THAN IDAHO

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Arizona	2	1	....	....	....
Arkansas	2	....	....	....	....
California	57	1	....	11	2
Colorado	2	....	....	....	....
Connecticut	7	....	....	....	....
Delaware	2	....	....	....	....
Florida	3	....	....	....	....
Illinois	17	....	....	4	....
Indiana	5	1	....	....	....
Iowa	8	....	2	6	3
Kansas	4	....	....	....	....
Kentucky	1	1	....	....	....
Maryland	....	1	....	....	....
Massachusetts	12	1	....	....	....
Michigan	3	....	....	....	....
Minnesota	7	....	....	3	....
Missouri	7	....	....	....	....
Montana	14	2	3	8	4
Nebraska	3	....	....	....	....
Nevada	2	3	....	3	1
New Jersey	3	....	....	1	....
New Mexico	2	....	....	....	....
New York	13	....	....	....	....
North Dakota	11	1	....	1	....
Ohio	10	1	....	....	....
Oklahoma	6	....	....	....	....
Oregon	18	1	3	11	4
Pennsylvania	10	2	....	....	....
South Dakota	11	1	....	5	1
Tennessee	2	....	....	....	....
Texas	2	1	....	2	....
Utah	16	4	....	41	....
Washington	169	17	8	48	4
Washington, D.C.	1	8	....	....	....
Wisconsin	18	1	....	2	....
Wyoming	7	1	....	5	....
Total	457	49	16	151	19

TERRITORIES AND FOREIGN COUNTRIES

	College	Non-Resident	Special Courses	Summer School	Students in Absentia
Alaska	5	2	....	1	1
Canada	5	3	....	1	....
Hawaii	2	....	....	....	....
Iran	2	....	....	1	....
Peru	....	1	....	....	....
Philippine Islands	7	....	....	....	....
Total	21	6	....	3	1

CONSOLIDATED ENROLLMENT TABLE, YEAR 1935-36 TO FEBRUARY 29, 1936

COLLEGE, COUURSE or CURRICULUM	Graduate Students			Seniors			Juniors			Sophomores			Freshmen			Unclassed			Total by Curricula			Total by Colleges		
COLLEGE	†M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
College of Letters and Science	40	18	58	43	47	90	61	62	123	16	6	22	....	....	....	....	1	1				160	134	294
Arts	14	13	27	22	27	49	34	40	74	10	4	14	....	....	....	....	1	1	80	85	165			
Science	26	4	30	14	2	16	12	2	14	1	1	2	....	....	....	....	....	....	53	9	62			
Pre-Medical Studies	....	....	....	7	1	8	15	2	17	5	....	5	....	....	....	....	....	....	27	3	30			
Home Economics	....	1	1	....	15	15	....	18	18	....	1	1	....	....	....	....	....	....	....	35	35			
Pre-Nursing Studies	....	....	....	....	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2			
College of Agriculture	12	....	12	41	1	42	46	....	46	54	1	55	80	....	80	....	....	....				233	2	235
College of Engineering	7	....	7	54	1	55	38	....	38	72	....	72	104	....	104	....	....	....				275	1	276
Civil Engineering	1	....	1	10	1	11	8	....	8	16	....	16	28	....	28	....	....	....	63	1	64			
Electrical Engineering	....	....	....	21	....	21	15	....	15	30	....	30	28	....	28	....	....	....	94	....	94			
Mechanical Engineering	6	....	6	8	....	8	2	....	2	13	....	13	34	....	34	....	....	....	63	....	63			
Chemical Engineering	....	....	....	15	....	15	13	....	13	13	....	13	14	....	14	....	....	....	55	....	55			
Colleges of Agr. and Engr.	3	....	3	3	....	3	3	....	3	6	....	6	8	....	8	....	....	....				23	....	23
Agricultural Engineering	3	....	3	3	....	3	3	....	3	6	....	6	8	....	8	....	....	....	23	....	23			
College of Law	....	....	....	19	....	19	10	1	11	25	2	27	....	....	....	2	....	2				56	3	59
School of Mines	6	....	6	12	....	12	18	....	18	21	....	21	38	....	38	2	....	2				97	....	97
Mining Engineering	....	....	....	3	....	3	8	....	8	9	....	9	25	....	25	1	....	1	46	....	46			
Geology	3	....	3	3	....	3	3	....	3	5	....	5	5	....	5	....	....	....	19	....	19			
Geological Engineering	....	....	....	4	....	4	3	....	3	3	....	3	2	....	2	....	....	....	12	....	12			
Metallurgical Engineering	3	....	3	2	....	2	4	....	4	4	....	4	6	....	6	1	....	1	20	....	20			
School of Forestry	3	....	3	30	....	30	48	....	48	92	....	92	132	....	132	1	....	1				306	....	306
School of Education	28	16	44	48	59	107	71	74	145	48	89	137	70	73	143	....	....	....				265	311	576
Education	27	16	43	48	53	101	66	69	135	42	84	126	68	66	134	....	....	....	251	288	539			
Music Education	1	....	1	....	6	6	5	5	10	6	5	11	2	7	9	....	....	....	14	23	37			
School of Business Admin.	5	1	6	28	12	40	51	15	66	13	5	18	....	....	....	....	....	....				97	33	130
Junior College	....	....	....	....	....	....	....	....	....	161	104	265	219	164	383	2	3	5				382	271	653
Arts	....	....	....	....	....	....	....	....	....	30	43	73	48	63	111	1	....	1	79	106	185			
Science	....	....	....	....	....	....	....	....	....	20	3	23	14	5	19	....	1	1	34	9	43			
Pre-Medical Studies	....	....	....	....	....	....	....	....	....	26	5	31	22	5	27	....	....	....	48	10	58			
Home Economics	....	....	....	....	....	....	....	....	....	....	29	29	....	34	34	....	....	....	....	63	63			
Pre-Nursing Studies	....	....	....	....	....	....	....	....	....	....	1	1	....	5	5	....	....	....	....	6	6			
Pre-Law	....	....	....	....	....	....	....	....	....	16	2	18	20	....	20	....	....	....	36	2	38			
Business	....	....	....	....	....	....	....	....	....	61	21	82	101	42	143	1	....	1	163	63	226			
Curriculum not designated	....	....	....	....	....	....	....	....	....	8	....	8	14	10	24	....	2	2	22	12	34			
Total in Regular Curricula	104	35	139	278	120	398	346	152	498	508	207	715	651	237	888	7	4	11				1894	755	2649*
Special Courses																						65	21	86
Music																			9	21	30			
Motor Mechanics																			18	....	18			
Commercial Dairying																			25	....	25			
Carpentry																			4	....	4			
Diesel Engineering																			9	....	9			
Non-Resident (College Credit)																						155	150	305
Summer School	194	163	357	men 105, women 249, total 354; Special courses												79	106	185				378	518	896
Students in Absentia	63	13	76																			63	13	76
Grand Total																						2555	1457	4012*
Deduct for names entered more than once																						207	195	402
Net Total																						2348	1262	3610

*Deduct six men and one woman for mid-year graduates taking graduate work.

†M—Men. W—Women. T—Total.

CONSOLIDATED ENROLLMENT TABLE—SOUTHERN BRANCH, UNIVERSITY OF IDAHO, YEAR 1935-36 TO FEBRUARY 29, 1936

DIVISIONS, COURSES, or CURRICULA	4th Year			3rd Year			Sophomore			Freshman			Unclassified			Total by Curriculum			Total by Division		
DIVISION	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	....	....	....	....	....	....	137	135	272	209	188	397	3	8	11				349	331	680
** Junior College	....	....	....	....	....	....	80	59	139	139	115	254	2	7	9	221	181	402			
Music—B.M.	....	....	....	....	....	....	1	1	2	1	5	6	....	1	1	2	7	9			
Agriculture—B.S.(Agr.)	....	....	....	....	....	....	1	....	1	2	....	2	1	....	1	4	....	4			
Forestry—B.S.(For.)	....	....	....	....	....	....	42	....	42	39	1	40	....	....	....	81	1	82			
Education—B.S.(Ed.)	....	....	....	....	....	....	13	75	88	28	67	95	....	....	....	41	142	183			
Division of Engineering	....	....	....	....	....	....	43	1	44	59	....	59	....	....	....				102	1	103
Civil Engineering	....	....	....	....	....	....	8	1	9	19	....	19	....	....	....	27	1	28			
Electrical Engineering	....	....	....	....	....	....	12	....	12	14	....	14	....	....	....	26	....	26			
Chemical Engineering	....	....	....	....	....	....	8	....	8	9	....	9	....	....	....	17	....	17			
Mechanical Engineering	....	....	....	....	....	....	11	....	11	11	....	11	....	....	....	22	....	22			
Agricultural Engineering	....	....	....	....	....	....	1	....	1	2	....	2	....	....	....	3	....	3			
Mining Engineering	....	....	....	....	....	....	2	....	2	3	....	3	....	....	....	5	....	5			
Geology	....	....	....	....	....	....	1	....	1	1	....	1	....	....	....	2	....	2			
College of Pharmacy	12	3	15	28	4	32	42	4	46	26	7	33	1	1	2				109	19	128
Total in Regular Curricula	12	3	15	28	4	32	222	140	362	294	195	489	4	9	13				560	351	911
Special Courses																			79	21	100
Vocational Courses:																					
Auto Mechanics																26	....	26			
Aviation Mechanics																13	....	13			
Carpentry																9	....	9			
Trade Dressmaking																....	6	6			
Special Music Students																31	15	46			
Grand Total																			639	372	1011

**Junior College curricula included are B.A., B.S., B.S.(Bus.), B.S.(H.Ec.), B.S.(Pre-Med.), B.S.(Pre-Nurs.)

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