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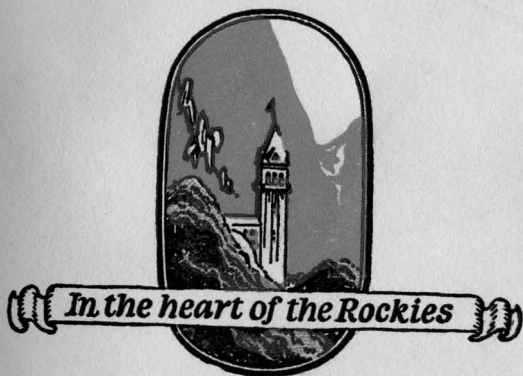
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SUMMER SESSION

CATALOGUE

1938



June 13 to July 22

Utah State Agricultural College

Logan, Utah

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1938-40

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COLLEGE BULLETINS

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Utah State Agricultural College
BULLETIN

Announcement for 1938
Summer Session

**PLEASE BRING THIS BULLETIN WITH YOU
WHEN YOU COME TO REGISTER**

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at Logan, Utah, under the act of August 24, 1912. Acceptance for
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L. B. Allison	-----	Football Coach, University of California
Edna Bailey	-----	Associate Professor of Education (Health Education), University of California
Jean Betzner	-----	Associate Professor of Education, Teachers College, Columbia University,
W W Bigelow	-----	Utah State Board of Health
E. H. Bramhall	-----	Utah State Board of Health
Philo M. Buck	-----	Professor of Comparative Literature, University of Wisconsin
Athleen Budge	-----	Ogden City Schools
Margaret Burton	-----	Modern Dance, Salt Lake City, Utah
D. D. Carr	-----	Utah State Board of Health
R. C. Dalgleish	-----	Utah State Board of Health
Edward Davison	-----	British Poet and Critic now at the University of Colorado
Henry Aldous Dixon	-----	President of Weber College
C. S. Edmundson	-----	Basketball Coach, University of Washington
Asael Fisher	-----	Instructor in Mechanic Arts, Provo High School
H. B. Gundersen	-----	State Director of Industrial Education
Bryant Higgs	-----	Service Expert, Linde Air Products Company, Salt Lake City, Utah
A. H. Hollenberg	-----	Professor of Vocational Education, California Polytechnic Institute
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J L. Jones	-----	Utah State Health Commissioner
Hazel Gertrude Kinscella	-----	Professor of Piano, University of Nebraska
George C. Kyte	-----	Professor of Education and Supervising Principal of the University Elementary School, University of California
John B. McClelland	-----	Professor of Agricultural Education, Ohio State College
Bessie A. McClenahan	-----	Professor of Social Work, University of Southern California
M. M. McKay	-----	Utah State Board of Health
Mary McQuillen	-----	Utah State Board of Health
Alexander Meiklejohn	-----	Director of School for Social Studies, San Francisco
Dorothy Reed Mendenhall	-----	Professor of Child Development, University of Wisconsin

Visiting Faculty and Special Lecturers (Continued)

Anne Carroll Moore	-----	Librarian, Children's Department, New York Public Library
Royal E. Morgan	-----	Welding Engineer
Bernice Moss	-----	Utah State Supervisor of Physical Education
Ruth Mumford	-----	Utah State Board of Health
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Paul Popenoe	-----	Director of the Institute of Family Relations, Los Angeles
Eva Ramsey	-----	Utah State Board of Health
Eugene L. Roberts	-----	Associate Professor of Physical Educa- tion, University of Southern California
G. W. Seegmiller	-----	Principal, Delta High School
Charles H. Skidmore	-----	State Superintendent of Public Instruction
Hazel Stevens	-----	Utah State Board of Health
Leslie G. Stier	-----	Vice-Principal, Frank Wiggins Trade School, Los Angeles
Sheldon C. Tanner	-----	Professor of Economics and Business Law, Pennsylvania State College
L. M. Thatcher	-----	Utah State Board of Health
Franklin L. West	-----	L. D. S. Commissioner of Education
John A. Widtsoe	-----	Former President of Utah State Agri- cultural College and University of Utah
Vee Winward	-----	Vocational Education, Salt Lake City Schools

Resident Instructional Staff

C. L. Anderson, D.P.H.	-----	Associate Professor of Public Health and Physiology
Agnes Bahlert, M.S.	-----	Instructor in Foods and Super- visor of Practice Cottage
Frances Parrish Barlow, B.S.	-----	Instructor in Child Development
George H. Barnes, M.S.	-----	Assistant Professor of Forestry
Ruth Moench Bell, B.S.	-----	Instructor in Speech
Marion T. Bird, Ph.D.	-----	Instructor in Mathematics
Edith Bowen, M.A.	-----	Supervisor of Elementary Teacher Training
John C. Carlisle, M.A.	-----	Assistant Professor of Education
Katharine Cooper Carlisle, M.A.	-----	Professor of Physical Education for Women
William Ernest Carroll, Ph.D.	-----	Professor of Animal Husbandry
Ezra G. Carter, D.P.H.	-----	Professor of Public Health and Physiology
N. Woodruff Christiansen, B.S.	-----	Associate Professor of Instrument- al Music

Resident Instructional Staff (continued)

Christine Bockholt Clayton, M.S.	Professor of Foods and Dietetics
George Dewey Clyde, M.S.	Professor of Engineering
Harold H. Cutler M.S.	Assistant Professor of Agricultural Economics
Franklin David Daines, Ph.D.	Professor of Political Science
Paul M. Dunn, M.S.	Professor of Forestry
Samuel Roy Egbert, B.S.	Assistant Professor of Forging
Robert J. Evans, Ph.D.	Professor of Agronomy
Calvin Fletcher B. Pd.	Professor of Art
J. Whitney Floyd, B.S.	Assistant Professor of Forestry
Arden Frandsen, Ph.D.	Professor of Psychology
Walter U. Fuhriman, B.S.	Associate Professor of Agricultural Economics
Joseph Arch Geddes, Ph.D.	Professor of Sociology
Joseph Eames Greaves, Ph.D.	Professor of Bacteriology and Bio-Chemistry
Datus M. Hammond, Ph.D.	Instructor in Zoology
Maxine Heiss, M.A.	Assistant Professor of Physical Education for Women
William Williams Henderson, Ph.D.	Professor of Zoology and Entomology
Caroline M. Hendricks, M.S.	Associate Professor of Sociology
King Hendricks, M.A.	Assistant Professor of English
Reuben Lorenzo Hill, Ph.D.	Professor of Chemistry
Lois Holderbaum, M.S.	Instructor in Textiles
LeGrande R. Humpherys, B.S.	Professor of Agricultural Education
Hyrum Hunsaker M.A.	Instructor in Physical Education for Men
Ernest A. Jacobsen, Ed.D.	Professor of Education
Joseph R. Jenson, M.A.	Professor of Physical Education
George B. Kelker, M.S.	Assistant Professor of Wild Life Management
Don Kirkham, Ph.D.	Instructor in Physics
Leonard H. Kirkpatrick, M.A.	Assistant Librarian in Charge of the Library
Leon B. Linford, Ph.D.	Professor of Physics
Leo H. Linford, Ph.D.	Instructor in Physics
Sherwin Maeser, Ph.D.	Professor of Chemistry
Charles E. McClellan, M.A.	Professor of Education
R. P. McLaughlin, Ph.D.	Associate Professor of Forestry
Milton R. Merrill, M.A.	Associate Professor of Political Science
George A. Meyer, Ph.D.	Professor of Modern Languages
Johanna Moen, B.S.	Professor of Textiles and Clothing
Evan B. Murray M.A.	Assistant Professor of Economics
Chester J. Myers, A.M.	Associate Professor of Speech
L. Mark Neuberger M.S.	Instructor in Business Administration

Resident Instructional Staff (continued)

Aaron Newey, B.S.	Associate Professor of Machine Work
Nells Alvin Pedersen, Ph.D.	Professor of English and Speech
Parley Erastus Peterson, C.P.A.	Professor of Accounting
Alfred H. Powell	Associate Professor of Farm and Auto Mechanics
H. Reuben Reynolds, Chicago Art Institute	Assistant Professor of Art
Bert Lorin Richards, Ph.D.	Professor of Botany and Plant Pathology
Joel Edward Ricks, Ph.D.	Professor of History
E. Lowell Romney, A.B.	Director of Athletics
Arthur D. Smith, M.S.	Instructor in Range Management
Robert S. Snell, Ph.D.	Assistant Professor of Botany
J. Sedley Stanford, Ph.D.	Assistant Professor of Zoology and Entomology
Sidney R. Stock, B.S.	Associate Professor of Radio and Automotive Electricity
Dan Arthur Swenson, B.S.	Assistant Professor of Woodwork
Vance H. Tingey, M.S.	Associate Professor of Mathematics
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Kenneth Vanderhoff, B.S.	Instructor in Physical Education
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Wallace J. Vickers, Ph.D.	Professor of English
William Lawrence Wanlass, Ph.D.	Professor of Economics
Walter Welti, M.A.	Associate Professor of Vocal Music
J. Stewart Williams, Ph.D.	Professor of Geology

STANDING COMMITTEES

- Attendance and Scholarship**—Professors Henderson, Hill, Dancy, Vance Tingey, Maguire, Lieutenant-Colonel Brown, Dean Lewis, Mr Vanderhoff, Mr Bell.
- Certification of Teachers**—Professor McClellan, Mr. Neuberger, Mr. Nielsen, Mr Bell.
- Entrance**—Professors Hirst, Egbert, Mr Madsen, Mr Bell.
- Graduate Work**—Professors Maeser Greaves, Evans, Willard Gardner, P E. Peterson, Carroll, Mrs. Morris, Mr Bell.
- Graduation**—Professors Leon B. Linford, Cutler Mr Bell.
- Registration**—Professors Ketchum, George C. Jensen, Mrs. Bate, Mr. Hammond, Mr. Bell, Mr Berntson.
- Student Employment**—Mr. Pocock.
- Summer Session Entertainment**—Professors Joseph R. Jenson, W D. Porter Miss Heiss, Dean Lewis, Mr Hunsaker Mr. Vanderhoff.
- Teacher Placement**—Professor C. E. McClellan.

Utah State Agricultural College

1938 Summer Session

Founded on March 8, 1888, the Utah State Agricultural College is just completing its Semi-Centennial year. Several major programs have been held during the year in honor of the Founders of the College and in recognition of its fifty years of progress and development.

The coming Summer Session which begins on Monday June 13, and continues for six weeks will be the thirty-second annual summer program offered by the College. During that period Summer Sessions at Logan have achieved wide recognition because of the delightful environment and a quality of teaching which make summer study profitable.

Continuing the policy of recent years the College presents a full program of courses taught by members of the resident faculty and by distinguished visitors drawn largely from the great graduate institutions of the country. The curriculum has been designed primarily to meet the needs of present and prospective teachers, but high school graduates will find the basic freshman courses offered that will enable them to begin their college work without difficulty. Present college students can hasten their graduation or fill gaps in their training by registering for summer courses. These courses are conducted on the same high scholastic plane as those given in the winter.

REGISTRATION

Registration for the Session will take place on Monday June 13, beginning at 8:00 A. M. and continuing to 3:30 P. M. No classes except the Coaching School are scheduled for Monday but Dr. Alexander Meiklejohn will lecture at 11:00 o'clock. Students who fail to complete registration on Monday may do so any succeeding afternoon from 1:00 to 5:00 P. M. in Room 192 of the Main Building. Seven and one-half credits are considered a normal load. The maximum load for which students may register without special action of the Attendance and Scholarship Committee is nine credits. If excess credit is granted by the Committee, a special fee of \$1.00 per additional credit will be charge. A reduction of one and a half credits per week will be made in the maximum credits allowed late registrants, as well as those students who register for less than the six weeks' period. Scheduled courses, whether regular or intersession, may not be given if less than five students register.

All graduate students who wish to complete requirements for the Master of Science degree must register with the Committee on Graduate Work. This Committee's office for Monday, June 13, is the Registrar's Office, thereafter in Widtsoe Hall.

CLASS SCHEDULE

Classes will begin at 7:00 A. M. throughout the Summer Session. There are four periods during the morning hours 7:00, 8:00, 9:00, and 10:00. Bells ring on the hour and classes begin ten minutes later that is, at 7:10, 8:10, 9:10, etc. The 11:00 hour is kept open as a lecture period and no classes are scheduled at that time. Afternoon classes begin on the hour at 1:00 P. M. and continue on the hour to 5:00 P. M. Evening lectures will be held at 7:30 P. M. unless otherwise specifically announced.

GRADUATE WORK

For detailed information on graduate work see general catalogue. Those who expect to register for work leading to this degree should submit their credits to the Chairman of the Committee on Graduate Work. Dr. Sherwin Maeser several weeks in advance of registration and indicate the subject in which they wish to major. This will make it possible to have the course of study approved at the time of registration. The registration card must be signed by Dr. Maeser. For a more complete statement of requirements for the Master's degree, the student should consult the general catalogue.

Students in Agriculture wishing to do graduate work during the summer school may register for the regular summer school work and be assigned to specific duty with members of the Experiment Station Staff who will give them the privilege of doing experimental work during the summer. Credit will be given for this work toward an advanced degree. Students who anticipate taking advantage of this opportunity will profit by applying early so that the particular work in which they are interested may be arranged in connection with the summer program. Registration for such work must be taken care of before the end of the Summer Session period.

MASTER OF EDUCATION DEGREE

The Master of Education Degree is offered in five major divisions of work: Master of Education in Agriculture, Master of Education in Home Economics, Master of Education in Biological Science, Master of Education in Physical Science, and Master of Education in Social Science. This is a teaching degree rather than a research degree and emphasizes preparation for superior teaching.

The work leading to this diploma aims to serve the following purposes:

- (a) Provide graduate training in professional education.
- (b) Provide a clearer understanding of the learner and his needs.
- (c) Provide a clearer understanding of society and its needs.
- (d) Provide enriched background of subject matter in the field of the teaching major.

FEES

General Registration Fee for Six Weeks.....	\$20.00
Registration for Three Credits or Less.....	8.00
Registration for Three Weeks or Less (Not Exceeding Five Credits),	12.00
Coaching School Fee	10.00
(Students who pay the regular \$20 fee may attend the Coaching School without additional charge.)	
Listening Course Fee	2.00
Excess Credit (for each credit)	1.00
Intercession Fee (five credits)	10.00
Laboratory Fee for Mechanic Arts 122	10.00
Laboratory Fee for Mechanic Arts 122A	10.00

EXPENSES

Board and room accommodations can be obtained near the campus at very reasonable cost. Many small apartments are also available for the Summer Session. The College maintains a Housing Bureau which is prepared to aid students in making satisfactory living arrangements.

The new Womens' Residence Hall, just completed during the year, will be open during the Summer Session. Women students can make reservations for rooms by addressing the Secretary's Office. A schedule of Residence Hall rates will be mailed to any prospective student on request.

The cafeteria and the dairy will be in operation during the Session.

FEATURES

The Summer Session rests basically on the work of the resident faculty, but each past year several scholars and teachers have been brought to the campus from the great graduate institutions. The distinguished roll of these remarkable men and women who have spent one or more summers at the College Summer Session contains the names of many of the greatest leaders in American education. The policy is being carried forward as usual this year.

The offering in education is remarkable in every way. All major members of the staff will teach courses and the visitors will include Dr George Kyte of the University of California, Dr Jean Betzner of Teachers College, Columbia University, President Henry A. Dixon of Weber College, and Mrs. Em Eccles Jones of Oakland, California. All of the required courses for certification are included.

Courses in related departments taught by visiting faculty members and in which school people will be particularly interested, are in public school music, children's literature, and health education. Professor Hazel G. Kinscella of the University of Nebraska will emphasize music appreciation in her classes. Miss Anne Carroll Moore, librarian of the Children's Department of the New York Public Library, will work with Dean N. A. Pedersen of the resident staff in giving the

work in children's literature during the time she is on the campus. The Institute in Health Education is especially designed to meet the needs of the class room teacher

Work in political science and economics will be offered by Dr Sheldon C. Tanner, professor at Pennsylvania State College, and son of a former president of the Utah State Agricultural College. He will be on the campus throughout the Session.

Social case work will receive emphasis by the presence of Miss Bessie McClenahan of the University of Southern California. Her work will be of particular interest to coordinators and others who are actually engaged in social work of any kind.

Dr Dorothy Reed Mendenhall of the University of Wisconsin will offer courses in child development and parental education and will also conduct round tables in the discussion of basic family problems in this field.

For the third successive year, two of Utah's great teachers, Dr John A. Widtsoe, former President of the Utah State Agricultural College and of the University of Utah, and Dr F L. West, present Commissioner of Education for the L.D.S. Church, will combine to give a substantial and highly important course in Character Education.

FIELD COURSE IN NATURAL HISTORY

With the departments of Botany, Geology, and Zoology cooperating, a field course in natural history, based upon study material available in the Bear River mountains, will be conducted each week-end of the Summer Session at Tony Grove Camp, twenty-two miles east of the College in Logan Canyon. Within a few miles of the camp some of the most beautiful scenery in the West is available.

Instruction will consist of talks, demonstrations, and field trips. The subject matter will be largely limited by that which can be seen in the vicinity of the camp and on the field trips. The geologic processes that have shaped and are shaping the landscape, plant associations, animal habitats, the identification of forest trees, common plants, birds and mammals, rocks and fossils will be considered. Microscopes will be available at the camp.

Beginning Friday, June 17, at 2:00 P M. at the camp, the course will be held each of the succeeding five week-ends of the Summer Session, one instructional unit being given Friday afternoon and two on Saturday Friday evening of each week will be given over to recreational activities under the supervision of the Physical Education department. Short field trips in the vicinity of the camp will be taken on foot. Most of the Saturdays will be occupied with longer field trips by automobile, with short side trips on foot. Points of particular interest that will be visited on Saturdays are White Pine Lake, Mt. Naomi, Franklin Basin, and Bear Lake.

Professor Eugene H. Roberts, visiting professor from the University of Southern California, will spend at least one week-end of his stay at the camp in charge of the recreational program.

Miss Lenore Lewis, Dean of Women, will be hostess at the camp. The Staff for instruction in Natural History will consist of Dr J. Stewart Williams, head of Department of Geology at U. S. A. C. for Geology Dr. J. Sedley Stanford for Zoology and Dr Robert S. Snell for Botany.

The College will furnish beds with mattresses; students need bring only what bedding they desire. Meals and lunches for Saturday may be obtained at the summer camp of the School of Forestry at the same nominal rate paid by the forestry students. Students of the natural history course may remain in the camp Saturday nights and Sundays if they desire.

Students may register for this course in addition to the normal load of nine credits without special arrangement. One credit will be given to those students who attend all the sessions and make the necessary written report. The credit will count as residence credit. Persons not otherwise registered in the summer session will be charged a registration fee of \$2.00.

Transportation to and from the camp, and on the field trips must be furnished by the students themselves except that the staff will attempt to arrange transportation in private cars for those students who do not have automobiles.

INSTITUTE IN HYGIENE, HEALTH EDUCATION AND PUBLIC HEALTH

Major attention is being given to hygiene and public health problems in the 1938 Summer Session. Dr Edna Bailey who directs the work in health education at the University of California will teach basic courses in the field for three weeks. Headed by Dr. J. L. Jones members of the State Department of Public Health will support the program by supervising and teaching courses. Each member of the staff will give work in his or her specialty.

Elementary and secondary teachers, physical education directors, nurses, particularly school nurses, and administrators should be particularly interested in the program offered.

READING AND CONFERENCE COURSES

For many years there has been need of courses in various fields which would meet the requirements of more or less experienced teachers wishing to do advanced work in their fields. This summer the College offers courses in several departments titled "Reading and Conference", and these courses should fit the situation.

Students who register for one or more of these courses will be directed in selected reading in the field of interest by a member of the staff. There will be frequent conferences and consultations with the staff member during the Session. Such courses should permit able teachers and students to advance more rapidly than would be possible in the more formal courses.

INDUSTRIAL EDUCATION

The teachers of industrial arts in the region will find the most complete course offering in this field, both in professional educational courses and in direct application courses, that has ever been listed in a College Summer Session. Recent reorganization and remodeling of the shops and a considerable increase in the number of resident faculty members in the various fields, have made this course offering possible.

Among visiting faculty members who will offer courses are Dr H. B. Gunderson of the State Department of Education, Professor Arthur S. Hurrell of Pennsylvania State College, Professor L. A. Stier of the Frank Wiggins, Trade School in Los Angeles, Vee Winward of the Salt Lake City school system, Principal G. W. Seegmiller of Delta High School, Asael Fisher of Provo High School, Bryant Higgs of the Linde Air Products Company, and others.

FORESTRY SUMMER CAMP

The School of Forestry will hold its annual camp in Logan Canyon again this summer. The location will be at the forestry training camp near Tony Grove ranger station on the Cache National Forest about twenty-two miles east of the College campus which is within hiking distance of the school lands. The instruction period will be lengthened to eight weeks this year, starting with registration at the forestry building on June 13 and closing on August 6.

This field instruction is required for all graduates in forestry, and is held as a pre-requisite to junior year technical courses. Special instruction will be offered in forest surveying, forest measurements, forest ecology range management, and wildlife management under the supervision of the forestry faculty. Twelve hours of credit will be given for the eight weeks of work. Quarters and beds are furnished, but the students will provide their bedding, personal effects, and pay for their board. The fees are. tuition, \$20, and board, \$5 per week.

COACHING SCHOOL AND PHYSICAL EDUCATION

Coach Leonard Allison of the University of California and Coach S. C. Edmundson of Washington University will be the chief teachers at the twelfth annual Coaching School sponsored by the Summer Session. Coach Allison, who coached the Golden Bears of California to an undefeated season last year, will direct football during the morning hours of the week of June 13-17 inclusive. Coach Edmundson will give work in basketball coaching during the afternoons of the same week.

The Physical Education program is a superior one. Professor E. L. Roberts of the University of Southern California is listed for special work in the direction of recreation programs.

The intensive work in public health and physiology which is

being offered should appeal very strongly to all of those actually engaged in directing physical education programs whether for men or women.

Miss Margaret Burton, well known Utah teacher of the modern dance, will teach both elementary and advanced sections in this important art development. Miss Athleen Budge will support the physical education program by teaching courses in tap and social dancing.

Miss Bernice Moss, director of physical education in the State Department of Education, will be a member of the staff.

LECTURE PROGRAM

The Summer Session takes great pleasure in announcing an unusually attractive lecture program for the coming summer. Four special lecturers of exceptional quality two of whom are well known to Logan audiences, will deliver most of the lectures.

Dr Alexander Meiklejohn, former President of Amherst and successively head of the Experimental College of Wisconsin and director of social studies in San Francisco, is scheduled for four lectures the first week, beginning Monday June 13. This inspirational speaker and scholar will discuss and defend the basic philosophic concepts of true American life.

During the second week beginning June 20, Dr Paul Popenoe of the Institute of Family Relations in Los Angeles, will give six general lectures and in addition will lead in daily round tables. An eminent biologist and an authoritative writer, Dr Popenoe will examine the elements of modern family life.

Dr Philo Buck, Professor of comparative literature at the University of Wisconsin, will be heard in six general lectures during the third week beginning June 27. A leading scholar Dr Buck is also a very able speaker and his discussions of literature will be extremely popular and informative.

Dr Edward Davison will return for the fourth consecutive Session beginning July 11. This established English poet, now professor of English at Colorado University returns because of popular demand. No lecturer of recent years has established himself so firmly with students and others who have heard him in previous years.

Completing the program will be members of the visiting faculty, several of whom will be scheduled for at least one public appearance. In addition, Superintendent C. H. Skidmore of the State Department of Education, and probably W. R. Wallace, one of Utah's great citizens, will lecture. Three or four panel discussions on vital subjects are planned.

MUSIC

Several artists will be presented on the Summer Session music program. Among them will be Wallace Kotter, young Utah pianist, who has forged to the front rank in recent years. The Rink String

Quartet is listed for a June appearance. This group, composed of talented artists, is one of the best giving concert programs in the country. Fredric Dixon, a pianist of highest quality, will be presented late in the Session. Arrangements are being completed for two other programs of comparable quality.

INTERSESSION

Regularly scheduled Intersession classes will begin on Tuesday, July 25 and continue for four weeks. Five credits may be earned during that period. Any regular college course which is not scheduled for the Intersession will be given in that period if ten students petition for and join the class. Credit in the Intersession is computed on the basis of one hour of credit for twelve one-hour lecture periods (each lecture period requiring two hours of outside preparation on the part of the students) or twelve three-hour laboratory periods. Registration forms will not be accepted after the close of any Intersession period in which the classes are given.

Students who desire to register for credit in research problems or field studies must make the necessary arrangements with the Registrar's Office during the Intersession period. Credits allowed and fees charged for this type of study will depend on the time spent and the work accomplished.

TEACHERS' CERTIFICATION

By attending the Summer Session of the Utah State Agricultural College, it is possible to meet any of the requirements for Utah Certification with the exception of practice teaching, and since the college is on the Accepted List of the Association of American Universities, credit will be allowed for any subject completed in the Summer Session that forms part of the certification requirements of any state.

TEACHERS' BUREAU

A teachers' bureau functions in connection with the Summer Session. All teachers seeking employment may register in this bureau. Superintendents and others who employ teachers will find it to their advantage to consult the list of applicants. These lists will be furnished upon request. Professor C. E. McClellan is in charge of the bureau.

RECREATION

The location of the College makes the Summer Session a recreative as well as an educational experience. Trips can be made to interesting areas only one or two hours distant. Logan Canyon is just a mile away. Its cool breezes make the nights comfortable in the hottest summer weather. The splendid nine hole golf course of the

Logan Golf and Country Club will be available to students who pay the reasonable green fees. Student socials are held frequently during the regular Session. Tennis courts, the swimming pool, and other facilities for pleasant physical activity are for the use of the Summer Session students. An intramural program will be conducted daily at 12:00 o'clock on the quadrangle.

KEY TO BUILDINGS

M—Main Building	N—Library Building
A—Mechanic Arts Building	F—Forestry Building
E—Engineering Building	W—Widtsoe Hall or Chemistry Building
P—Plant Industry Building	H—Home Economics and Commons Building.
L—Animal Husbandry Building	
G—Gymnasium	

Courses of Instruction

School of Agriculture

AGRICULTURAL ECONOMICS AND MARKETING

W. P. Thomas, Professor
 W. U. Fuhriman, Associate Professor
 H. H. Cutler Assistant Professor

154. **Principles of Agricultural Economics.** A general study of the economic problems, forces, and institutions affecting agricultural income, production, finance, price, land utilization, tenancy, tariff, etc., and the inter-relation of agriculture to other industries. Prerequisite, Economics 51 or equivalent. Two and one-half credits. Daily, 8:00. Room M178. Cutler

104. **Economic Development of Agriculture.** An economic history of the development of agriculture; a study of the causes and tendencies as well as an examination of the facts involved. It is a reasoned interpretation of human progress in agriculture. Two and one-half credits. Daily, 9:00. Room M178. Cutler

201. **Public Problems of Agriculture.** An economic analysis of outstanding problems confronting agriculture in Utah, the Western States, and the country as a whole. Special consideration will be given to various policies and programs which are designed to correct the mal-adjustments existing between agriculture and other industries. Prerequisite, Economics 51 or equivalent. Two and one-half credits. M. W. F., 2:00 to 4:00. Room M178. Fuhriman and Staff

205. **Agricultural Finance.** A study of the general principles underlying the extension of credit to agriculture with special emphasis upon institutions, uses, needs, costs and problems involved. Prerequisite, Economics 51 or equivalent. Two and one-half credits. Daily, 10:00. Room M178. Cutler

AGRONOMY

R. J. Evans, Professor

1. **General Farm Crops.** This course given especially to meet the needs of Smith-Hughes vocational teachers. The course will include lectures and laboratory exercises. June 27 to July 22. Three credits. Daily, 2:00 to 5:00. Room P201. Evans

103. **Forage Crops.** Alfalfa, clovers, grasses, and other forage; classification and methods of production, harvesting and storage, meadow and pasture management, and soiling crops are discussed, special attention will be given to the place of forage crops in soil conservation and erosion control. Two and one-half credits. Daily, 8:00. Room P201. Evans

Note: Any course in this department listed in the general catalogue will be given if eight students apply.

ANIMAL HUSBANDRY

W. E. Carroll, Professor
Alma Esplin, Assistant Professor

1. **General Animal Husbandry** This course is planned to give (1) a broad understanding of livestock production and its relation to the agriculture of the United States and of Utah, (2) The relation of livestock production to commerce and industry, (3) the important factors in successful production, and (4) to introduce the study of farm animals and their products with particular emphasis on those matters which influence their desirability and suitability for particular purposes. June 27 to July 22. Three credits. 8:00 to 11:00. Room L207. Esplin

150. **Animal Nutrition:** A study of the foundation principles that govern the utilization of the various food nutrients by animals. Consideration will be given to the metabolism of proteins, carbohydrates, fats, minerals, the functions of vitamins and the requirements of the various classes of farm animals for these nutrients in maintenance, growth, reproduction, lactation, and work. Prerequisites: An. Hus. 10 and either Vet. Physiology or Organic Chemistry. Four credits. Daily 1:00 to 3:00. Room L208. Carroll

Problems in Livestock Feeding and Nutrition: Designed for county agricultural agents and high school agricultural teachers. Will consist of an analysis of the feeding problems that confront the livestock producers of the state, including mineral deficiencies, selenium and fluorine problems. Discussions, assigned readings, and reports. First three weeks. Daily 8:00 to 10:00. Room L208. Carroll

ART

Calvin Fletcher, Professor
H. R. Reynolds, Assistant Professor
Lois Holderbaum, Instructor

51. **Drawing for Elementary Grades.** Methods of teaching drawing, painting, etc. in grade schools. Social, aesthetic and creative needs fully considered. Two and one-half credits. Daily, 7:00. Room M51. Fletcher

52. **Design for Elementary Grades.** Methods of teaching design and color in the grades. Two and one-half credits. Daily, 8:00. Room M51. Reynolds

23, 123. **Interior Decoration.** Period styles, selection of furniture, draperies, rugs, pottery, and all furnishings for the home. How to group and assemble these to create a beautiful room. Three credits. Daily, 9:00. Laboratory arranged. Room H101. Holderbaum

4, 104, 204. **Freehand Drawing.** Models will pose daily at 8:00 to 11:00. Criticism daily 9:00 to 11:00. Pose, caste, animal, or still-life drawing may be taken up. Thirty hours work for each credit. Room M51. Fletcher

5, 105, 205. **Painting.** Painting in oil, water colors, fresco or tempera are recommended as mediums but other mediums may be used if desirable. Special facilities for fresco are provided with walls, plaster, and all necessary material. Fresco criticisms will be daily, except Thursday at 1:00 to 2:00. Special landscape criticism in the field will be given Thursdays 4:00 to 7:00 P. M. Students may work any time indoors or outdoors doing thirty hours of painting for each credit. Work brought in may be criticized daily 9:00 to 11:00. Room M56. Fletcher

7, 107, 207 **Sculpture.** Direct stone cutting, modeling in clay, or plaster work may be taken up. Thirty hours work for each credit. Work any time. Criticism Thursday 1:00 to 2:00 and daily, 9:00 to 11:00. Rooms M55 and M56. Fletcher

107 **Illustration.** Choose any of the following:
Pen and ink Technique

Scientific Illustration

Cartooning

General Illustrating

Costume Illustrating

Thirty hours of work for each credit. Room M53.

Fletcher

110. Show Card and Sign Writing or Poster Work.

Fletcher

111, 211. **Advanced Design.** Elect one of the following lines of work, A, B, C, or D

A. Interior Decoration

Sketching Designs for Walls and Interiors

Furniture Designing

Wood Carving

Picture Framing

B. Advanced Costume Design

C. Architectural Composition

D. Textile, Wallpaper, Commercial Design

Instruction and criticism daily 9:00 to 11:00. Room M54.

Fletcher

Craft Studio Courses. Students may register for one to eight credits of work in any of the following courses. Thirty hours must be completed for each credit. Criticism and direction given daily except Saturday Criticism given daily, 8:00 to 11:00.

13, 113. **Art Metalry.** Copper and silver-smithing.

Reynolds

14, 118. **Leather Work.** Tooling, modeling, finishing.

Reynolds

15. **Basketry** Reed, raffia, or grass basketry

Reynolds

16, 119. **Wood Ornamentation.** Elect any of the following:

Enameling and Jesso

Gilding

Lacquer

17, 120. **Fabric Decoration.** Elect any of the following:

Tie and dye plastic embroidery

Batik

Block Printing

Stenciling

Lamp Shade Decoration

Reynolds

16, 116. **Jewelry and Stone Cutting.**

Reynolds

BOTANY

B. L. Richards, Professor

R. S. Snell, Assistant Professor

1. **General Botany.** A general course dealing with the structure, growth, nutrition, reproduction, and kinds of plants. This course is

especially adapted to meet the needs of teachers of biology. Particular emphasis will be given to plants common in Utah and available to teachers in the grades and the high schools of the state. Easily operated experiments demonstrating plant behavior will be featured. A certain amount of attention will be devoted to field trips and the collection of plant material for class use. Four credits. Lecture and laboratory M. T. Th. F. 1:30 to 5:00. Occasional field trips. Room P103. Snell

10-110. **Natural History Camp at Tony Grove, Logan Canyon.** Students who register for Botany and others, are invited to attend the Field Course in Natural History that will be given week-ends during the summer session at the college camp in Logan Canyon. This course is described in detail on pages 11-12 of this Catalogue. One Credit

BUSINESS ADMINISTRATION

P. E. Peterson, Professor

L. Mark Neuberger, Instructor

108. **Essentials of Accounting.** A course intended to develop accounting technique. A knowledge of principles will be required through the application of short typical exercises. Meant to serve the minimum needs of the general student. Lecture and exercises. Two and one-half credits. Daily, 7:00. Room M302. Peterson

129. **Principles of Investment.** A thorough study of the principles to be followed in meeting the investment problem of the individual or the corporation. Types of securities, criteria of judging investment merit of offered securities. The development of an investment policy for individuals, banks, investment trusts and insurance companies. Lectures and assigned cases. Two and one-half credits. Daily, 8:00. Room M302. Peterson

160. **Principles of Retail Merchandising.** Basic principles of Retail Merchandising will be studied including management methods and control. Lectures and assigned cases. Two and one-half credits. Daily, 9:00. Room M302. Peterson

205. **Reading and Conference.** A course providing for individually directed study. Two and one-half credits. Hours arranged. Peterson

SECRETARIAL SCIENCE

86. **Typewriting. (First Quarter).** For students who have not had any typewriting. This course is designed to develop correct technique in:

Position—Syllable, word and sentence drills.

Stroke—Rhythm, number, and shifting drills.

Mechanical Features—Acceleration and concentration drills.

Mastery of keyboard—Introduction of "Time" writing.

Finger exercises—Analysis of errors.

Average speed, end of the term, 20 words a minute.

One credit. Daily, 1:00. Room M330.

Neuberger

97 **Office Appliances.** This course is designed to give students a knowledge of the operation of two machines which are widely used in the modern business office. The following machines will be studied

Burroughs Calculating Machine Application of the calculating machine to various business computations such as addition, multiplication, subtraction, division, accumulation, fixed decimal point work, percentages, chain discounts, prorating, decimal equivalents, constants, and inventories.

Burroughs Commercial and Bank Posting Machines. Instruction and practice in the application of the Posting Machine to bookkeeping methods in commercial business houses and banks. Two and one-half credits. Daily, 9:00. Room M330. Neuberger

179. **Methods of Teaching Typewriting.** A study of recent developments and practices in the teaching of typewriting. The analysis of objectives, laws of learning, organization of materials, texts, standards of achievements, speed and accuracy will be considered. A course for those preparing to teach typewriting and for those engaged in teaching, who wish to render their teaching more effective. Two and one-half credits. Daily, 10:00. Room M330b. Neuberger

185. **Reading and Conference in Secretarial Science.** A course providing for individually directed study. Two and one-half credits. Hours arranged. Neuberger

CHARACTER EDUCATION

VISITING FACULTY

John A. Widtsoe, Professor
Franklin L. West, Professor

190a. **Character Education.** This course will deal with contemporary social and ethical problems and will outline the basis of moral conduct in the modern world. Particular attention will be given to the matter of control as well as to a survey and analysis of the problems that present themselves today First three weeks. June 13 to July 1. Two and one-half credits. Class meets twice daily at 8:00 and 10:00. Room M355. West

190B. **Character Education.** A continuation of 190a. This course will be given during the three weeks from July 5—July 22. However students may register for this course without registering for 190a. Two and one-half credits. Meets twice daily at 8:00 and 10:00. Room M355. Widtsoe

CHEMISTRY

Reuben L. Hill, Professor

Sherwin Maeser, Professor

14. Qualitative Analysis. This course is intended for students who have not taken chemistry 5 and who desire a theoretical and practical background for quantitative analysis. One lecture and five three-hour laboratory periods per week. Prerequisites, Chemistry 4 or 11. Three credits. Lecture Tuesday, 8:00. Lab. Daily, 8:00 to 11:00 or 1:00 to 4:00. Room W204. Maeser

102-103. Quantitative Analysis. This course corresponds to the regular course given during the winter and spring quarters. Each one of these courses will require one lecture and five three-hour laboratory periods a week. A student registering for both courses would be required to spend six hours each day at laboratory work and should not register for additional work except by special permission. Prerequisites, Chemistry 5 or 15. Three credits, each course. Lecture M. W 8:00. Laboratory daily, 8:00 to 11:00 or 1:00 to 4:00. Room W204. Maeser

ECONOMICS

W L. Wanlass, Professor

E. B. Murray, Assistant Professor

VISITING FACULTY

Sheldon C. Tanner, Pennsylvania State College

122. Government and Business. Constitutional powers, police powers, combination and competitive practices, the meaning of control, development of the various types of control, rates and financial returns, interstate and antitrust laws, the Clayton Act and Federal Trade Commission Act, regulation of securities and holding companies, labor laws, social security legislation, fair trade acts, business ethics, moral progress in the business world. Two and one-half credits. Daily 10:00. Room. M305. Tanner

125. Labor Economics. A study of the development, government, governmental problems, policies and relations of labor organizations. The course will include a study of labor legislation, the main divisions of which relate to the legal minimum wage, woman and child labor, and the various phases of social insurance, against the hazards of unemployment, sickness and old age. Prerequisites: Economics 51 and 52 or their equivalent. Two and one-half credits. Daily, 8:00. Room M357 Murray

180. Current Economic Problems. A survey will be made of several economic questions of current interest. Subjects to be studied will be chosen according to the wishes of a majority of the students in the course. Suggested topics will include: Tariffs, business cycles, public

finance, the general price level, commodity markets transportation problems, the New Deal, recent monetary legislation, agricultural problems; monopolies, wage regulations. Prerequisite Economics 51 and 52 or their equivalent. Two and one-half credits. Daily, 7:00. Room M357
Murray

150. **Types of Economic Organization.** A study of the various forms of economic organization that have been proposed, including some of the Utopias, Marxian Socialism, Collectivism, the Single Tax, Consumers' Cooperatives, Syndicalism, Guild Socialism, Communism, Fascism, and Capitalism. Two and one-half credits. Daily 1:00. Room M357.
Murray

204. **Reading and Conference.** A course providing for individually directed study in selected phases of Economics. Two and one-half credits. Hours arranged.
Murray

EDUCATION AND PSYCHOLOGY

E. A. Jacobsen, Dean
C. E. McClellan, Professor
L. R. Humpherys, Professor
Arden Frandsen, Professor
Edith Bowen, Assistant Professor
John C. Carlisle, Assistant Professor
Maxine Heiss, Assistant Professor
Leonard H. Kirkpatrick, Assistant Professor
Harry Parker, Superintendent of Construction and Maintenance

VISITING FACULTY

George C. Kyte, University of California
Jean Betzner, Columbia University
John B. McClelland, Ohio State College
Henry Aldous Dixon, Weber College
Howard B. Gundersen, State Director of Industrial Education
Arthur S. Hurrell, Penn State
Leslie G. Stier, Frank Wiggins Trade School, Los Angeles, Calif.
A. H. Hollenberg, California Polytechnic Institute
Mark Nichols, State Director of Agricultural Education
Bernice Moss, State Supervisor of Physical Education
Em Eccles Jones, Kindergarten, Oakland, California

EDUCATION

Demonstration School for Kindergarten. To be carried on in connection with theory courses in elementary education. Daily, 8:00 to 11:00. Room E101.
Jones & Bowen

107a. **Children's Reading.** The practical problems of learning to read will receive consideration. The relation of child development and

the process of learning to read, environmental factors within and without the school affecting the process and the school's function in these will be studied. One and one-fourth credits. Daily 1:00. First three weeks. Room M280. Betzner

107b. **Diagnostic and Remedial Teaching.** A study of the application of diagnostic tests to the technique of learning. The discovery of individuals' difficulties in learning procedures, the application of specific or remedial measures to learning difficulties. One and one-fourth credits. Daily 1 00. Second three weeks. Room M280. Carlisle

109.a **Philosophy of Education in its application to Modern Educational Practice.** This course is planned for those who wish to study the relation of philosophy to the solutions of current educational practice. One and one-fourth credits. Daily 8:00. First three weeks, Room M280. Betzner

109b. **Modern Educational Practice.** Records of Modern Educational Practice as well as the principles applied in the Demonstration School will be examined and evaluated. One and one-fourth credits. Daily, 8:00. Second three weeks. Room M280. Bowen

111S. **Problems of the Modern High School.** Emphasis will be placed, first, on the aims and functions of the modern high school, second, on the selection and integration of subject matter for the particular pupils who are to profit by the school, and third, on principles of teaching, essential to the development of increasingly intelligent individual and group thought, feeling, and action. (Credit for this course may satisfy for Education 111 for teachers planning to teach in high school.) Two and one-half credits. Daily 7:00. Room M279. Carlisle

141. **Organization and Administration of Education.** A survey course designed to acquaint students with the problems of public school organization and administration. Students will become familiar with the plan of organization, the objectives that underly the maintenance of Utah's public schools on all levels, Utah School Law; public school revenue a philosophy of public school administration, teacher personnel administration and pupil personnel problems. (Credits in this course together with credit in either 139 or 230-S will satisfy the requirements for the course in Organization and Administration required for certification.) One and one-fourth credits. Daily, 10:00. Second three weeks. Room M279. Dixon

129s. **Guidance and Personnel.** A study of the meaning, purpose, trends and present status in the guidance movement. An analysis of the various agencies in guidance and personnel work and how to organize them in our secondary school system. One and one-fourth credits. (Credits in this course, together with credit in 171 will meet the certification requirements for the course in Guidance and Personnel.) Daily 8:00. First three weeks. Room M279. Carlisle

171. **Problems of Pupil Personnel.** A study of practices dealing with the school census, attendance, personnel records, reports to parents, problems of failure, school marks, promotions, and the liberalization of school practices in the interest of greater pupil growth. (Credits in this course, together with credit in 151 will meet the certification requirements for the course in Guidance and Personnel.) One and one-fourth credits. Daily, 8:00. Second three weeks. Room M279.

Dixon

139. **The Curriculum of the Public School.** Trends in curriculum modification resulting from research and progressive theories, applications of the conclusions to classroom instruction. One and one-fourth credits. Daily 9:00. First three weeks. Room. M280.

Kyte

150. **School Library Organization and Administration.** A short survey of techniques of book selection, ordering, accessioning, cataloging, classifying, reference, and circulation work in high school and in grade school libraries. While necessarily introductory, the course will be designed with special reference to conditions in Utah. Librarians in service will be given assistance in special projects concerned with their Libraries. Lecture and laboratory daily. Five credits. M. T. W. Th. F., 9:00. Lecture, 1:00 to 4:00 laboratory Library. Kirkpatrick

170. **The Improvement of Teaching.** A course for either beginning teachers or for those in service intended to help them make teaching more effective through a better understanding of purposes, techniques for motivation, and the functions of textbook and teachers. Specific examples will be presented in various subjects to illustrate the techniques discussed. One and one-fourth credits. Daily, 10:00. Second three weeks. Room M280.

McClellan

181. **School Finance.** A study of the importance of finances in a school system and the principles and practices involved in the collecting and the distributing of school revenues, with special reference to the conditions in Utah. Two and one-half credits. Daily, 9:00. Room M279.

Jacobsen

188a. **Materials and Methods in Physical Education for the Elementary Schools.** A study of rhythmic and game activities for grades one to six; play days, recess and after school programs; intramural programs. First three weeks. One credit. Daily, 2:00. Room M279.

Heiss

188b. **Materials and Methods in Physical Education for the Elementary Schools.** A study of rhythmic and game activities for grades one to six; play days, recess and after school programs; intramural programs. Second three weeks. One credit. Daily, 2:00. Room M279. Moss

205. **Reading and Conference.** A course providing for individually directed study. Two and one-half credits. Hours arranged. Staff

211. Modern Trends and Problems in Education. A general survey, on the graduate level, of the field of education. A view of some of the vital problems that confront education today, with trends and proposals for meeting such problems. Two and one-half credits. Daily 2:00. Room M204. Jacobsen

230S. Supervision of Instruction. Principles and practices of supervision, including the nature and use of the various supervisory techniques to improve instruction. One and one-fourth credits. Daily, 10:00. First three weeks. Room M280. Kyte

241S. Social Trends and Curriculum Revision. Critical appraisal of significant social and economic issues relating to the curriculum. Current revision of principles and practices. Core curricula, fusion and integration of traditional subjects and new subject fields will be considered. One and one-fourth credits. Daily, 9:00. Second three weeks. Room M280. Carlisle

271. Research and Thesis Writing. This course provides for both group and individual work in the study and preparation of theses, including special conferences on individual problems. Two and one-half credits. Daily, 7:00. Room M280. McClellan

School Building Custodians. A special course for school building custodians will stress such problems as sanitation, efficiency in operation of plant equipment, responsibility of custodians for plant equipment, and personnel problems. Daily June 13-24. Parker and Staff

VOCATIONAL EDUCATION

112-S. Principles of Vocational Education. The basic principles involved in the development and operation of courses in vocational education. The underlying philosophy, the prevailing practices and the recognized standards in vocational education will be emphasized. Two and one-half credits. Daily, 7:00. Room E203. Hurrell and Stier

102-S. Methods in Vocational Industrial Education. This course deals with the methods of teaching industrial subjects. Particular emphasis will be given to the special devices that may be used in teaching shop or related subjects. It will include the conference procedure, the use of informing devices, the instructing process and their application to the special subjects. Two and one-half credits. Daily, 8:00. Room E203. Hurrell and Stier.

103-S. Coordination in Vocational Education. The problems and the functions involved in coordinating training under the joint auspices of industry and the schools. Consideration will be given to the specific means, methods, techniques and plans of operation as exemplified in successful practice. A study will be made of problems now demanding solution. Two and one-half credits. Daily, 9:00. Room E203. Hurrell, Gundersen, Stier, and others

104-S. **Principles and Practices in Industrial Arts Education.** This course deals with present-day trends and practices in industrial arts education, emphasizes vital current problems with which teachers are faced, an effort is made to examine and evaluate current trends and problems in industrial arts, and to set up appropriate methods of attack for new problems. One and one-half credits. W. Th. Fri. 10:00. Room E203. Gundersen

180-S. **Methods of Teaching Farm Mechanics.** The scope of farm mechanics, analysis of typical farm mechanics units and skills, teaching helps and field supervision as they apply to Utah agriculture. One and one-half credits. Daily 1:00 to 3:00. June 13-24. Room E203. Hollenberg, Humpherys, Nichols

282-S. **Part-time and Evening Schools.** A consideration of the fundamental principles, methods of instruction, supervised practice involved in part-time and evening schools in vocational agriculture. One and one-half credits. Daily, 8:00 to 10:00. June 13-24. Room E205. McClelland, Humpherys, Nichols

PSYCHOLOGY

Arden Frandsen, Professor

102a. **Educational Psychology** A professional course for prospective teachers, intended to increase understanding of personality and to develop greater insight into the conditions under which children learn effectively. (The course meets State Board certification requirement.) Pre-requisites General Psychology and Elementary Statistics, the latter of which may be taken parallel with Educational Psychology. Three credits. Daily, 8:00. Room M134. Frandsen

102b. **Statistics Applied to Education and Psychology** An introductory study of the statistical procedures used in handling test scores in school situations, and of the concepts which are met frequently in the literature of educational and psychological research. (Required of students taking Educational Psychology who have not previously taken elementary statistics.) One and one-half credits. Daily, 9:00. Room M134. Frandsen

202a. **Clinical Psychology** A study of psychometric devices for measuring aptitudes, interests, social traits, and emotional characteristics of both normal and exceptional children. The devices will be evaluated for their specific uses in diagnostic and remedial teaching in social case work and in educational and vocational guidance. Pre-requisites Educational Psychology and Elementary Statistics. Two and one-half credits. Daily, 10:00. Room M134. Frandsen

ENGLISH AND SPEECH

N Alvin Pedersen, Professor
 Wallace J Vickers, Professor
 Chester J. Myers, Associate Professor
 King Hendricks, Assistant Professor
 Ruth Moench Bell, Instructor

VISITING FACULTY

Anne Carroll Moore, New York Public Library
 Children's Department.

1. **College Grammar** A double course. Five credits. Daily 7:00 to 9:00. Room N314. Vickers

10, 110. **English Composition.** The course will emphasize correctness, vocabulary selection, selection and organization of material, clearness, and interest in expository essays. Preference of students considered in assignment of articles to write. Students with junior college standing register for 10. Advanced students register for 110. Five credits. Daily 7:00 to 9:00. Room N316. Hendricks

23. **Literature for Children.** Introduction to the literature of childhood, old and new The course is adapted to teachers of children, parents, club leaders and builders of personal or community libraries. Two and one-half credits. Daily 9:00. Room M204. Pedersen and Moore

107 **Argumentation.** A study of logic as it is related to argument. Text, **a college logic**, Castell. The Course should prove helpful in forming habits of straight thinking. Two and one-half credits. Daily, 10:00. Room N310. Vickers

149. **Comparative Literature.** A comparative study of the nineteenth century in France and Russia. Two and one-half credits. Daily 10:00. Room N316. Hendricks

163. **Shakespeare.** A study of six plays. Macbeth, Henry the Fourth, King Lear, Hamlet, Othello, Twelfth Night. Class meets twice daily Five credits. Daily, 10:00 and 1:00. Room M204. Pedersen

195. **Reading and Conference.** A course providing for individually directed study. Two and one-half credits. Hours arranged. Staff

SPEECH

55. **Extempore Speech.** A course based on the personal needs of the student. Diagnosis of individual problems of delivery and composition. Specific attention given to outlining and elementary principles of persuasion. Subject matter to be treated in speeches will be based mainly on the individual interests of the students. Students will build and

deliver speeches drawn from their academic majors. Two and one-half credits. Daily 8:00. Room M205. Myers

185. **Story Telling.** The story as an educational factor, analysis and classification of typical stories with reference to each period of the child's development. Study of sources, adaptation of material, and actual practice in story telling. The work is designed to meet the needs of student, teacher, librarian, and parent. Two and one-half credits. Daily 1:00. Room M359. Bell

104S. **Platform Reading.** By mastering significant selections from the great writers for audiences on important occasions, the student becomes an interpreter of permanent literature. Reading from manuscript and from memory Should be of special interest to those who are called upon in recitals. Two and one-half credits. Daily, 9:00. Room M205. Myers

110S. **Program Building and Cutting.** A study of types of interpretive material suitable for presentation before various kinds of audiences. Reading of short stories, plays, and novels, etc., to determine suitability The cutting of literary types and material to suitable length for public reading. Attention is given to materials suitable for lecture recitals. Two and one-half credits. Daily, 10:00. Room M205. Myers

12 or 112. **Private Instruction.** Advanced specialized work. Special attention is given to the student's deficiencies in speech. Work in the story drama, novel, poetry, and the various literary forms. Special fee. Optional. It is recommended that all speech majors have five hours. Consult instructor before registering. One to four credits. Time arranged. Staff

183. **Problems in Speech.** Especially selected work, individually assigned, handled, and directed in consultation with the student. Consult the instructor for permission to register Time and credit arranged. Myers

GEOLOGY

J Stewart Williams, Professor

4. **Historical Geology** Twenty four lectures on earth history including the development of plants and animals and the geologic history of man. Each lecture will be followed by a half-hour period for informal discussion and museum study Four credits. T W Th. F., 7:00 to 8:45. Room M283. Williams

9, 109. **Natural History Camp at Tony Grove, Logan Canyon.** Students who register for geology, and others, are invited to attend the Field Course in Natural History that will be given week-ends during the Summer Session at the college camp in Logan Canyon. This course is described in detail on pages 11 and 12 of this catalogue. One Credit.

HISTORY

Joel E. Ricks, Professor

111. **Medieval Institutions.** This course emphasizes the movements and institutions of the Middle Ages which are basic in understanding modern times. Two and one-half credits. Daily, 7:00. Room N312. Ricks

127 or 227 **Europe in the Nineteenth Century** This course stresses the political, social, and economic movements in Europe and in European Empires from the Conquest of Vienna to the World War Two and one-half credits. Daily, 8:00. Room N312. Ricks

153. **United States History** From the War of 1812 to the Civil War with emphasis upon rise of nationalism and the clash of the sections leading to the Civil War Two and one-half credits. Daily, 9:00. Room N312. Ricks

HOME ECONOMICS

Christine B. Clayton, Professor

N Alvin Pedersen, Professor

W W Henderson, Professor

Caroline M. Hendricks, Associate Professor

Una Vermillion, Assistant Professor

Agnes Bahlert, Instructor

Lois Holderbaum, Instructor

Frances P Barlow, Instructor

Ruth Moench Bell, Instructor

VISITING FACULTY

Paul Popenoe, Institute of Family Relations, Los, Angeles, California.

Dorothy Reed Mendenhall, University of Wisconsin

Jean Betzner, Teachers College, Columbia University

Anne Carroll Moore, New York City Public Library

Hazel Gertrude Kinscella, University of Nebraska

CHILD DEVELOPMENT AND PARENTAL EDUCATION

23. **Literature for Children.** Introduction of the literature of childhood, old and new The course is adapted to teachers of children, parents, club leaders and builders of personal or community libraries. Two and one-half credits. Daily, 9:00. Room M204. Pedersen and Moore

35. **Nutritional Growth and Development of Children.** A detailed study of the nutrition of the mother and child. Requirements for growth of the fetus, infant, pre-school child, school child, and adolescent are

considered, together with the psychology underlying good food habits. Three weeks. July 4 to July 22. One and one-fourth credits. Daily, 8:00. Room H101. Mendenhall

60. **Child Management.** Open to all girls in college wishing to acquire a knowledge of and a degree of skill in the guidance of young children. This course should be helpful to prospective homemakers and to elementary school teachers. Laboratory in the Nursery School arranged. Two and one-half credits. Daily, 7:00. Room H208. Barlow

71. **Social Problems of the Family** For writeup see page 45. Two and one-half credits. Daily, 9:00. Room M353. Hendricks

102. **Music Appreciation.** For description of course see page 38. First three weeks. One and one-fourth credits. Daily, 8:00. Room M130. Kinscella

107a. **Children's Reading.** For description of course see pages 23-24. First three weeks. One and one-fourth credits. Daily, 8:00. Room M280. Betzner

111. **Heredity and Eugenics.** For description of course see page 46. Two and one-half credits. Daily, 9:00. Room M277. Henderson

185. **Story Telling.** For description of course see page 29. Two and one-half credits. Daily, 1:00. Room M359. Bell

191. **Seminar in Child Development.** Round table discussion dealing with the adolescent child, his care and problems. Adapted to teachers and parents. One and one-fourth credits. Daily, 2:00. July 4 to July 22. Room M101. Mendenhall

Eugenics and Family Relations. Dr Popenoe will conduct round table discussions on various phases of eugenics and family relations daily at 2:00, June 20 to June 24, in addition to his regular lectures on the same subjects daily at 11:00. Room H101.

FOODS AND NUTRITION

5s. **Principles of Nutrition.** This course includes a study of the relation of food to physical fitness, and the practical application of such information to the college student. Open to men and women. Two and one-half credits. Daily 2:00. Room H203. Clayton

35. **Nutritional Growth and Development of Children.** A detailed study of the nutrition of the mother and child. Requirements for growth of the fetus, infant, pre-school child, school child, and adolescent are considered, together with the psychology underlying good food habits. Three weeks. July 4 to July 22. One and one-fourth credits. Daily, 8:00. Room H101. Mendenhall

106s. **Food Engineering.** A study of foods and menus suitable to various occasions. Efficient methods of meal preparation and service. Prerequisites Foods 20, or Foods 9 or equivalent. Two and one-half credits. M. and W 12:00 to 2:00, Th. and F 12:00 to 1:00. Clayton

142s. **Dietetics.** Includes the calculation and preparation of dietaries and a survey of the dietary habits of various countries. Prerequisites. Organic Chemistry and Nutrition 5. Three Credits. Daily, 8:00. Lab. T 8:00 to 10:00. Clayton

160. **Reading and Conference.** A course providing for individually directed study, in the various phases of foods and nutrition. Two and one-half credits. Daily, 10:00. Staff

180. **Institution Management.** This course will consider food problems of institutions, including preparations and serving of foods in large quantities, menu planning, quality standards and food costs. The laboratory work will be carried on in the College Cafeteria where the food is prepared and served in large quantities. Two and one-half hours credit. Lecture M. W F., 10:00; laboratory T Th. 10:00 to 1:00. Vermillion

GENERAL HOME ECONOMICS

23, 123. **Interior Decoration.** Period styles, selection of furniture, draperies, rugs, pottery and all furnishings for the home. How to group and assemble these to create a beautiful room. Three credits. Daily, 9:00. Lab. arranged. Holderbaum

149. **Household Management.** Consideration of the principles of scientific management of the home, with special attention to standards of living, family income, and household organization. Prerequisite: Foods 20 or Food 9 or equivalent. Two credits, W F 9:00. Laboratory M. W 1:00 to 3:00. Room H207. Bahlert

150. **Residence in Home Economics Cottage.** Project in household management affording an opportunity for senior college and graduate women to live in the practice cottage assuming responsibilities involved in managing a home. Reservation for residence in the house should be made at any early date through the Home Economics Department. Prerequisite Household Management or concurrent registration equivalent, or consent of instructor Three credits. Time to be arranged. Home Economics Cottage. Bahlert

TEXTILES AND CLOTHING

20s. **Textile Selection.** Recent developments in the Textile field as it relates to cost, quality and design for the selection of fabrics for

personal and household use. Two and one-half credits. Daily 10:00.
Room H208. Holderbaum

115. **Costume Design.** Art structure in its application to dress. Studies of personality and types of people, harmonies in spacing, rhythm, balance, color theory Designing for various occasions. Outside work required. Prerequisites. Art to satisfy Instructor Two and one-half credits. Daily 2:00 to 3:00. Room H214. Holderbaum

190. **Reading and Conference.** A course providing for individually directed study, in the various phases of Textiles and Clothing. Two and one-half credits. Hours arranged. Holderbaum

MATHEMATICS

V H. Tingey, Associate Professor

Marion T. Bird, Instructor

Don Kirkham, Instructor

34. **Introduction to College Algebra.** For students who have had but one year of high school algebra and wish to pursue further some mathematical work. Students presenting more than a unit of high school algebra will not be given credit for Mathematics 34. Five credits. Daily 8:00 and 9:00. Room W163. Kirkham

50. **Descriptive Astronomy.** An elementary course, non-mathematical, and given to acquaint the student with the relation of the earth to the solar and sidereal universes. Two and one-half credits. Daily, 7:00. Room M203. Bird

75. **Statistical Methods.** An introduction to the mathematical theory of statistics. Its application to various scientific investigations is pointed out. Prerequisite, college algebra or its equivalent. Five credits. Daily 8:00 and 9:00. Room M203. Bird

MECHANIC ARTS AND INDUSTRIAL EDUCATION

George D. Clyde, Professor

L. R. Humpherys, Professor

Aaron Newey Associate Professor

A. H. Powell, Associate Professor

S. R. Stock, Associate Professor

Dan R. Swenson, Assistant Professor

S. R. Egbert, Assistant Professor

Joseph Coulam, Instructor

VISITING FACULTY

H. B. Gundersen, State Director of Industrial Education
 A. H. Hurrell, Pennsylvania State College
 L. G. Stier, Frank Wiggins Trade School, Los Angeles, California
 Bessie A. McClenahan, Professor of Social Work, University of Southern California.
 Vee Winwood, Salt Lake City Schools
 Asael Fisher, Provo High School
 G. W. Seegmiller, Delta High School
 Bryant Higgs, Field Service Expert, Linde Air Products Co.
 Royal E. Morgan, Welding Engineer

A.E. 11. Forging and Bench Metal. This course is a study and practice of the fundamental operations of forging and bench metal work. It will include shaping, bending, twisting, and welding at the forge; and drilling, tool grinding, threading, filing, chipping, bending, and twisting at the bench. Consideration will be given to the problem of teaching metal work in the junior and senior high school. Three credits. Daily, 9:00 to 12:00. June 27 to July 22. Shop. Egbert

AE 105. Farm Machinery Repair and Adjustment. A study of the operating principles of farm machines, the adjustments and repairs with special emphasis on the set up and application of the farm repair shop, the shop equipment and skills involved. Three credits. June 27 to July 22. Daily, 1:00 to 5:00. Room A100. Powell

MA 54B. Machine Shop Practice. A course in bench metal work, drill-press work, and elementary lathe work; consisting of tool grinding, filing, laying out, drilling, thread work, and lathe turning. Consideration will be given to materials, tools, and equipment suited to school shop work. Three credits. Daily 2:00 to 5:00. June 27 to July 22. Shop. Course will be given only if eight or more register for it. Staff

INDUSTRIAL ARTS

104-S. Principles and Practices in Industrial Arts Education. This course deals with present-day trends and practices in industrial arts education; emphasizes vital current problems with which teachers are faced; an effort is made to examine and evaluate current trends and problems in industrial arts, and to set up appropriate methods of attack for new problems. One and one-half credits. W Th. F 10:00. Six weeks. Room E203. Gunderson

105.S. Ornamental Iron. A course for industrial arts teachers in junior and senior high schools; practical school projects and methods of teaching the subject will be emphasized. A course of study showing methods of teaching and projects in ornamental iron applicable in the industrial arts courses in the high school will be worked out. First three weeks, two sections daily Time and credit to be arranged. Shop.

(Note: Whether the course is continued or repeated during the last three weeks of summer school depends upon the desires of the group.)

Fisher

106-S. Art Copperwork. A course for industrial arts teachers; emphasizes up-to-date school shop projects and approved methods of teaching. A course of study showing methods of teaching and projects in copperwork applicable in the industrial arts courses in the high schools will be worked out. Three weeks, two sections, daily Time and credit to be arranged. Shop. (Note: Whether the course is continued or repeated during the last three weeks of summer school depends upon the desires of the group.)

Fisher

107-S. Art Leatherwork. For teachers of industrial arts, club leaders and home crafters. A consideration of materials and tools used and their costs. Methods employed in flat modeling, embossing, carving, cutting, and staining; simple projects such as card cases, billfolds, coin purses, handbags, belts, hunting knife cases and camera cases will be made. Methods of teaching art leatherwork in the industrial arts courses in the high schools will be stressed. One and one-half credits. 1st Section Daily 8:00 to 10:00, first three weeks; 2nd Section. M.W.F., 2:00 to 5:00, first three weeks. Shop.

(Note: Whether the course is continued or repeated the last three weeks of summer school depends upon the desires of the group.)

Seegmiller

108-S. Jewelry For teachers of industrial arts, club-leaders and home crafters. A consideration of materials and tools used and their cost. A course of study showing methods of teaching and projects applicable in the industrial arts courses in the high schools, will be worked out. One credit. TTh., 2:00 to 5:00, first three weeks. Shop.

(Note: Whether the course is continued or repeated the last three weeks of summer school depends upon the desires of the group.)

Seegmiller

109-S. Arts and Crafts. Work with reed, raffia, gesso, paper, linoleum, wood, clay bookbinding and upholstering. Specially adapted for industrial arts teachers, club leaders and home crafters. One and one-half credits. M.W.F., 2:00 to 5:00. Shop.

(Note: Whether the course is continued or repeated the last three weeks of summer school depends upon the desires of the group.)

Seegmiller

MA 105. Estimating and Methods of Building Construction—Elementary and Advanced. Open to vocational trade teachers and industrial arts teachers. Special attention to both beginning and advanced work. Two credits. Daily 2:00 to 5:00, first three weeks. Room E203.

Winward

MA 106. Shop Drawing and Design. For industrial arts and vocational trade and industrial related subjects teachers, covering both subject

matter and methods types of work will be covered to meet the needs of any industrial arts course and any related subject. It is intended that the drawing course of study to be given in the respective industrial arts classes in the high schools, will be worked out in this course. Bring your drawing instruments. The course is designed to cover the six weeks period. Those who desire to enter the last three weeks may make special arrangements to do so. One and one-half credits. Daily, 11:00 to 1:00. M.A. Drawing Room.

First three weeks—Winward
Second three weeks—Coulam

MA 122. Acetylene Welding. A study of the application of flame welding in garage practice and agricultural implement repair, materials, equipment, processes and limitations. With practice on simple welding problems. Three credits. June 27 to July 22. Daily 9:00 to 12:00. Room A100. Laboratory fee of \$10:00 charged for this course.

Powell and Higgs

MA 122A. Electric Welding. Setting up, maintenance and operation of arc welding equipment. The different types of machine, the kind of rods, and the methods used in welding various metals. Practical experience in welding the common metals so that industrial arts and vocational trade teachers can handle welding jobs in their shops. Arrangements may be made so that those who desire trade training may spend sufficient time to develop the necessary skill to qualify as a competent welder. A fee of \$10:00 will be charged to cover cost of rod, electricity, etc., for a 50 hour course. Time and credit to be arranged. Shop.

Powell and Morgan

MA 123. Practical Electricity This course will include a consideration of the fundamental principles of electricity and their application in the construction of such projects as bell circuits, electro magnets, heating elements, motors, electrical soldering irons, transformers, and other common electrical devices. Three credits. Daily, 1:00 to 4:00. June 27 to July 22. Shop. Course to be given only if eight or more register for it.

Stock

MA 161B. Fundamental Tool Processes and Farm Woodwork. Study of the use and care of woodworking tools with emphasis on filing, sharpening, and adjusting, together with the use of such tools and their application to joinery and farm woodwork. Three credits. June 27 to July 22. Daily, 9:00 to 12:00. Shop. Course to be given only if eight or more register for it.

Staff

MA 170. Woods and Wood Finishing. This course calls attention to the value and usefulness of our native woods, the purposes for which different varieties are best suited, and how they may often take the place of expensive, imported woods. A study is made of methods of cutting and seasoning and of preparation for finishing and practice

is given in finishing a variety of samples of native woods. The application of primers, fillers, paints, oil stains spirit-stains and water stains, and methods used in French polishing will receive careful attention. Three credits. Daily, 1:00 to 4:00. June 27 to July 22. Shop. Course to be given only if eight or more register for it. Staff

(The following courses listed meet the State Certification requirements for teaching in the respective fields in which teachers, coordinators or directors may be engaged.)

VOCATIONAL TRADE AND INDUSTRIAL EDUCATION

112-S. **Principles of Vocational Education.** The basic principles involved in the development and operation of courses in vocational education. The underlying philosophy the prevailing practices and the recognized standards in vocational education will be emphasized. Two and one-half credits. Daily, 7:00. Room E203. Hurrell and Stier

102-S. **Methods in Vocational Industrial Education.** This course deals with methods of teaching industrial subjects. Particular emphasis will be given to the special devices that may be used in teaching shop or related subjects. It will include the conference procedures, the use of informing devices, the instructing process and their application of the special subjects. Two and one-half credits. Daily, 8:00. Room E203.

Hurrell and Stier

103-S. **Coordination in Vocational Education.** The problems and the functions involved in coordinating training under the joint auspices of industry and the schools. Consideration will be given to the specific means, methods, techniques and plans of operation as exemplified in successful practice. A study will be made of problems now demanding solution. Two and one-half credits. Daily, 9:00. Room E203.

Hurrell, Gundersen, Stier and others

S. W 273. **Principles of Social Case Work.** An introductory course dealing with the principles and methods of modern family case work. Class discussion based largely upon an analysis of a series of family case records. Investigation, diagnosis, and treatment of economic, medical, and conduct problems. This course is required of vocational part time general continuation coordinators. Two and one-half credits. Daily, 8:00. Room M206. McClenahan

S. W 277 **Social Treatment of Children's Behavior Problems.** (Case Work and the Schools). Analysis, investigation, and treatment of the problems of children from the social-psychological point of view A study of cases, a review of the theories of causes and treatment, and acquaintance with specialized agencies handling such problems. For child welfare workers, probation and school attendance officers, and club leaders. This course is required of vocational part time general continuation coordinators. Two credits. M. T W Th., 10:00. Room M206. McClenahan

MODERN LANGUAGES

George A. Meyer, Professor

1a. **First-Year French.** Regular beginner's course. Grammar reading, pronunciation, and dictation. Five credits. Two hours. Daily 9:00 and 1:00. Room M361. Meyer

French 104. **Practical Phonetics.** A course in the sounds of the French language. Designed to give teachers of French an opportunity to improve their own pronunciation. Study of the proper use of the organs of speech, dictation, exercise, and practical suggestions regarding the teaching of the sounds of French to American students. Attention given to speech problems of the individual. Two and one-half credits. Daily 10:00. Room M126. Meyer

MUSIC

Walter Welti, Associate Professor

N Woodruff Christiansen, Associate Professor

VISITING FACULTY

Hazel Gertrude Kinscella, University of Nebraska

100. **Reading and Conference.** A course designed to consider the problems of teachers in school music methods, conducting, history, appreciation, choral organization and vocal development. Individual conferences. No regular classes. Special reading assignments will be made in these conferences. First three weeks. One credit. Room M130. Welti

102. **Music Appreciation.** Methods of teaching appreciation in the lower grades through listening lessons, rhythms, rhythmic responses and the rhythm band. This course should be followed by Music 180. First three weeks. One and one-fourth credits. Daily 10:00. Room M130. Kinscella

103. **Music Appreciation.** Methods of teaching appreciation in the upper grades and high school. This course should be followed by Music 181. First three weeks. One and one-fourth credits. Daily, 9:00. Room M130. Kinscella

104. **Bach, His Music and His Forerunners.** An appreciation course in the early music upon which our modern music is built. First three weeks. One and one-fourth credits. Daily, 8:00. Room M130. Kinscella

155. **Private Voice Instruction.** Available the first three weeks only. Appointments and fees to be arranged with the teacher. Two lessons a week. One credit. Welti

61 - 161. **Harmony** A class to include those who have had no previous work in harmony as well as those who have taken an elementary course. Attention will be given to individual needs. Two and one-half credits. Daily, 2:00. Room M133. Christiansen

180. **Opera Appreciation.** A study of operatic literature through recordings available in the Carnegie Music Library. This course should be preceded by Music 102. Second three weeks. One and one-fourth credits. Daily, 10:00. Room M130. Christiansen

181. **Symphony Appreciation.** A study of the development of symphonic music. The musical literature of the Carnegie set will be used in this course. This course should be preceded by Music 103. Second three weeks. One and one-fourth credits. Daily, 9:00. Room M130. Christiansen

For credit in other private work consult Professor N. W. Christiansen.

PHYSICAL EDUCATION

Joseph R. Jenson, Professor
Katharine C. Carlisle, Professor
Maxine Heiss, Assistant Professor
Kenneth Vanderhoff, Instructor
Hyrum Hunsaker, Instructor

VISITING FACULTY

Bernice Moss, State Supervisor, Physical Education
Eugent L. Roberts, University of Southern California
Edna Bailey, University of California
Margaret Burton, Salt Lake City
Athleen Budge, Ogden City Schools

28. **Elementary Swimming.** Men. One credit. Daily, 3:00. Pool. Vanderhoff
48. **Elementary Creative Dancing.** Women. One credit. Daily, 8:00. Women's Gym. Burton
53. **Elementary Swimming.** Women. One credit. Daily, 1:00. Pool, Staff
57. **Badminton.** Men and women. One credit Daily, 10:00. Men's Gym. Hunsaker
62. **Archery.** Men and women. One credit. Daily, 1:00. Men's gym. Hunsaker
24. **Tennis.** Men and women. One credit. Daily, 3:00. Men's gym. Jenson

73. **Golf.** Men and women. One credit. Daily, 5:00 p. m. Men's gym.
Vanderhoff
114. **Administration of School Health Program.** A general set-up of health teaching in high school. Consideration of content of Utah State course of study Two and one-half credits. Daily, 9:00. Room H212.
Bailey-Moss
136. **Tumbling and Pyramid Building.** This course involves all the elementary forms of tumbling and will take enough advanced material to enable the student to teach in high school. Open to men and women. One credit. Daily, 9:00. Men's Gym.
Hunsaker
186. **Heavy Apparatus.** A study of methods of teaching gymnastics such as parallel bars, horse, horizontal bar and rings. One credit. Daily, 3:00. Men's Gym.
Bell
141. **Problems in Creative Dancing.** Women. Two credits. Daily, 8:00 to 10:00. Women's gym.
Burton
155. **Red Cross Life Saving.** Men and women. A study of all material necessary to pass the senior test. One credit. Daily 4:00. Pool
Vanderhoff
163. **Recreative Games.** Men and women. A class in the study and practice of leisure time activities. Clock golf, badminton, shuffle board, croquet, archery, volley ball, table tennis, will be presented. One credit. Daily, 2:00. Men's Gym.
Jenson and Hunsaker
171. **Tap Dancing.** Men and women. One credit. Daily, 9:00. Men's Gym.
Heiss
173. **Social Dancing.** A study of fox trot, waltz and tango; fundamental steps and routines. One credit. Daily, 1:00. Men's Gym.
Heiss
179. **Social Recreation.** This course will deal with the principles and technique of leadership in recreation activities for the home, school and community methods of promoting, organizing, and directing social games, social mixers, community outings, hikes, picnics, parties, community singing, clubs, recreational dramatics, etc. June 20 to July 1. One credit. Daily 7:30 to 9:30. p.m. Men's Gym.
Roberts
- 188-A. **Materials and Methods in Physical Education for the Elementary Schools.** A study of rhythmic game activities for grades one to six; play days, recess and after school programs; intramural programs. First three weeks. One credit. Daily, 2:00. Room M279.
Heiss
- 188-B. **Materials and Methods in Physical Education for the Elementary Schools.** A study of rhythmic and game activities for grades one to six; play days, recess and after school programs, intramural programs. Second three weeks. One credit. Daily, 2:00. Room M279. Moss

250. **Reading and Conference.** A course providing for individually directed study Two and one-half credits. Hours arranged. Staff

282. **Corrective Physical Education.** A study of body structure and mechanics in relation to physical, mental and social health and efficiency It will include normal and abnormal skeletal alignment and growth and development factors to which the remedial aspects of physical education are applicable. Special emphasis will be placed upon group and school class procedure in the administration of individual exercise for the correction of various disorders and structural defects of students. June 20--July 1. One credit. Daily, 8:00. Room G27 Roberts

284. **Administration of Health and Physical Education.** A study of administrative procedures in the conduct of a high school physical education curriculum. Two and one-half credits. Daily, 10:00. Room G27 Jensen

285. **Administration of Intramural Programs.** A study of the best intramural systems of America. A practical set-up of an intramural program for high schools and colleges. Two credits. Daily, 7:00. Men's Gym. Hunsaker

293. **Applied Principles and Technics in Physical Education Activities.** A course dealing with the application of modern educational principles and techniques to class instruction in the various activities included in Junior and Senior high school physical education curricula. Activities will be selected according to the needs and desires of class members. Selections will be made from individual sports, team games, defense activities, rhythmic and gymnastics. June 20--July 1. One credit. Daily, 7:00. Room G27 Roberts

Intramurals and Recreation Activities including Badminton, Tennis, Softball, Swimming and Archery, will be conducted for all Summer Session students daily at 12:00 by the Physical Education Department.

The swimming pool will be open for those who do not wish to join a regular class. Men 5:00 to 6:00 p.m. Women. 2:00 to 3:00 p.m.

COACHING SCHOOL, JUNE 13-17

E. L. Romney, Director of Athletics

VISITING FACULTY

L. B. Allison, Head Football Coach, University of California
C. S. Edmundson, Basketball Coach, University of Washington

120. **Methods of Coaching for Men.** A theoretical and practical consideration of training and coaching men's athletic teams.

120B. **Basketball Coaching.** June 13 to 17, inclusive. One credit. Daily, 2:00 to 4:30 p. m. Edmundson

120E. **Football Coaching.** June 13 to 17, inclusive. One credit. Daily, 7:30 to 11:00 a. m. Allison

PHYSIOLOGY, PUBLIC HEALTH AND HYGIENE

E. G. Carter, Professor

C. L. Anderson, Associate Professor

VISITING FACULTY

Edna Bailey, University of California

J. L. Jones, Utah State Health Commissioner

Bernice Moss, State Supervisor, Physical Education

W. W. Bigelow, Utah State Board of Health

D. D. Carr, Utah State Board of Health

R. C. Dalglish, Utah State Board of Health

D. C. Houston, Utah State Board of Health

E. M. Jeppson, Utah State Board of Health

W. M. McKay, Utah State Board of Health

Mary McQuillen, Utah State Board of Health

Ruth M. Mumford, Utah State Board of Health

Eva W. Ramsey, Utah State Board of Health

Hazel Stevens, Utah State Board of Health

L. M. Thatcher, Utah State Board of Health

E. H. Bramhall, Utah State Board of Health

114. **Administration of the School Health Program.** Essentials of a sound modern program; personnel, time and equipment necessary; cooperative techniques for nurse, physician, teacher and administrator; working with parents and pupils; relationships with the medical and dental professions and with other community agencies. Two and one-half credits. Daily, 9:00. Room H212. Bailey and Moss

116. **Readings in Physiology and Hygiene.** A study of current physiological literature, including hygiene, with oral and written reports. Two and one-half credits. Hours to be arranged. Anderson

120. **Methods and Materials in Health Education.** Educational approaches to health teaching; relation to other curricular activities; adaptation of subject matter and method to local situations; useful literature available; visual aids; field and laboratory experiments. Two and one-half credits. Daily, 10:00. Room H212. Bailey and Mumford

180-230. **Advanced Hygiene and Public Health.** This course deals with the most recent advances and developments in the fields of hygiene

and public health. The lectures will be delivered by twelve different individuals, all specialists in their respective fields. Students registering for graduate credit will be required to submit a special report. Five credits. Daily, 7:30--9:00. Room H101.

Jones, Houston, Jeppson, Stevens, Dalglish, Bigelow, McKay, Carr, Bramhall, McQuillen, Thatcher, Ramsey

245. **Mental Hygiene.** This course deals with the basic factors in mental health conservation in its various aspects. The development and measurement of personality with special reference to individual and guidance problems are duly considered. Personality deviations are considered in order that the normal may be more fully understood and appreciated. Two and one-half credits. Daily, 2:00. Room H101. Anderson

POLITICAL SCIENCE

F. D. Daines, Professor

M. R. Merrill, Associate Professor

VISITING FACULTY

Sheldon C. Tanner, Pennsylvania State College

111. **Principles of Business Law.** The nature and sources of the law, judicial powers of the state and federal governments, general legal institutions governing business activity, legal rights and obligations arising out of common business transactions, fundamental principles of the law of contracts, sales, bailments, common carriers, agency, partnerships, corporations, negotiable instruments, real estate and bankruptcy. Two and one-half credits. Daily, 9:00. Room M305.

Tanner

122-222. **Government and Business.** Constitutional powers, police powers, combination and competitive practices, the meaning of control, development of the various types of control, rates and financial returns, interstate and anti-trust laws, the Clayton Act and Federal Trade Commission Act, regulation of securities and holding companies, labor laws, social security legislation, fair trade acts, business ethics, moral progress in the business world. Graduate credit allowed on completion of additional work. Two and one-half credits. Room M305. Daily, 10:00.

Tanner

201. **Current Political Problems.** A course designed for Senior and graduate students majoring in Political Science and related subjects. Required of those graduating in Political Science. Two and one-half credits, Daily, 8:00. Room M204.

Merrill

SOCIOLOGY

Joseph A. Geddes, Professor

Arden Frandsen, Professor

Caroline M. Hendricks, Associate Professor

C. L. Anderson, Associate Professor

VISITING FACULTY

Bessie A. McClenahan, Professor of Social Work, School of Social Work, University of Southern California.

In cooperation with the Director of Industrial Education of the State Department of Public Instruction, the Social Work Division offers unusual opportunities during the Summer Session of 1938 for training in coordination work. Courses offered in the field of industrial education are elsewhere designated. Those offered in personnel or adjustment work are provided through the cooperation of the departments of Education, Psychology, Public Health and Sociology. (See State Certificate required for trade and industrial coordinators). School principals who are responsible for the adjustment of behavior problems and judges of juvenile courts as well as probation workers, social workers and school coordinators for whom the courses are primarily offered will find the work suited to their needs.

Beginning with the Summer Session of 1938 training for social work at Utah State becomes graduate. Senior students may be admitted to graduate courses by permission of the instructor. Courses carrying graduate credit are designated 200 or over.

SOCIAL WORK

S. W. 273. Principles of Social Case Work. An introductory course dealing with the principles and methods of modern family case work. Class discussion based largely upon an analysis of a series of family case records. Investigation, diagnosis, and treatment of economic, medical, and conduct problems. This course is required of vocational part time general continuation coordinators. Two and one-half credits. Daily, 8:00. Room M206. McClenahan

S. W. 277. Social Treatment of Children's Behavior Problems. (Case Work and the Schools). Analysis, investigation, and treatment of the problems of children from the social-psychological point of view. A study of cases, a review of the theories of causes and treatment, an acquaintance with specialized agencies handling such problems. For child welfare workers, probation and school part time general continuation coordinators. Two credits. M. T. W. Th., 10:00. Room M206. McClenahan

203a. **Clinical Psychology.** A study of psychometric devices for measuring aptitudes, interests, social traits, and emotional characteristics of both normal and exceptional individuals. The devices will be evaluated for their specific uses in diagnostic and remedial teaching, in social case work, and in educational and vocational guidance. Prerequisites: General Psychology and Elementary Statistics. Two and one-half credits. Daily, 10:00. Room M134. Frandsen

S. W. 245. **Mental Hygiene.** This course deals fundamentally with the conservation of mental health in its various aspects. The development and measurement of personality with special reference to individual and guidance problems are duly considered. Personality abnormalities and aberrations are considered in order that the normal may be more fully appreciated and understood. Two and one-half credits. Daily, 2:00. Room H101. Anderson

SOCIOLOGY

Soc. 71. **Social Problems of the Family.** In this course the relations of the family with outside groups, agencies, and institutions are stressed. Attention is also paid to the inter-relation between the different members of the family. Home life is treated as a changing, developing, basic organization which should be in constant reciprocal relation with outside agencies. Two and one-half credits. Daily, 9:00.

Hendricks

Soc. 156. **Personality and Leadership.** The growth of the personality is related in this course to the interactive process through which the individual finds nutriment in his relations with the family, the school, the church and various other groups. Leadership emerges as the individual comes to interpret and to represent the groups. Two credits. M. T. W. Th., 7:00. McClenahan

Soc. 170. **Juvenile Delinquency.** A study of juvenile offenders. The causes of delinquency are considered with the purpose of arriving at intelligent remedies. Various methods of home, social, and institutional treatment are studied; parental cooperation, personal supervision allied with probation and parole, institutional treatment etc. Two and one-half credits. Daily, 10:00. Hendricks

PHYSICS

Leon B. Linford, Professor

L. H. Linford, Instructor

3b. **Introductory Physics.** A brief survey of the fields of Electricity and Magnetism, Light, and Sound. A continuation of Physics 3a given Summer 1937. Physics 3b may be taken without having taken course 3a. Two and one-half credits. Daily, 9:00. Room W101.

L. H. Linford

119. Electronic, Atomic, and Nuclear Physics. A study of electric discharge, photoelectric and thermionic effects, atomic structure spectra, and atomic nuclei and their transmutations. Special attention will be given recent work and theories in these subjects. This course is designed primarily for High School Science teachers. Prerequisite, Physics 20, 21, 22. Three credits. Daily, 10:00 and one hour arranged. Room W101. L. H. Linford

ZOOLOGY AND ENTOMOLOGY

W. W. Henderson, Professor
J. Sedley Stanford, Assistant Professor
D. M. Hammond, Instructor

1. Principles of Biology. A survey of the basic principles of biology which form the foundation of all manifestations of life. In this course the great biological generalizations are emphasized in order to bring about a greater understanding and appreciation of life. The application of biology to human problems such as education, race improvement, and disease is especially emphasized. This is not a course in technical Zoology, but a thorough consideration of the basic principles which govern life and the application of these to mankind. Two and one-half credits. Daily, 8:00. Room M227. Hammond

10-110. Natural History Camp at Tony Grove, Logan Canyon. Students who register for Zoology, and Entomology, and others, are invited to attend the field Course in Natural History that will be given week ends during the summer session at the college camp in Logan Canyon. This course is described in detail on pages 11-12 of this catalogue. One credit.

102. Systematic Entomology. The structure of insects is studied sufficiently to enable the student to use keys employed in classification. Each student must collect, mount, and properly identify a representative collection of insects found in the vicinity of Logan. Two and one-half credits. Graduate credit may be allowed for this course. Time to be arranged. Stanford

111. Heredity and Eugenics. A brief study of the laws and principles which govern heredity as shown by experimental breeding and cytology and some of the more important human applications. Two and one-half credits. Daily, 9:00. Room M277. Henderson

123. Zoogeography. The distribution and adaptations as well as identification and habits of animals will be studied with particular attention to those species found locally on field trips in marshes, fields, deserts and mountains. Cache county and northern Utah offer a wealth of birds, mammals, fishes, insects and other animal life for a profitable field study supplemented by class room, laboratory and museum studies. Two and one-half credits. Lectures M. W. F., 9:00. Field trips or laboratory M. W. 2:00 to 5:00. Room M230. Stanford

130. **Human Biology.** This course is offered for those students who desire to investigate the relationships of man and the lower animals. Man's reaction to climate, activity and food also will be stressed. Two and one-half credits. Lectures, Daily, 7:00. Room M227.

Stanford

131. **Organic Evolution.** A critical study of the facts of evolution as obtained from a careful study of comparative anatomy, embryology, geographical distribution, blood tests and other fields upon which the doctrine of evolution is based. Factors causing evolution will be considered and discussions will be undertaken on other bodies of related thought. Prerequisite, some thorough course in biology. Graduate credit is allowed. Two and one-half credits. Daily, 10:00. Room M227.

Henderson

201. **Zoological Research.** The student who wishes to engage in some line of original research and is qualified to do so may elect and study some topic from eugenics, ecology, morphology or some other branch of zoology. Open to undergraduate students only by special arrangement with the department. Thesis required. Credit and hours to be arranged.

Staff

210. **Entomological Research.** Students may select or will be assigned certain problems dealing with different phases of entomology. The amount of credit will depend on the nature of the problems and the time spent. Thesis. Open to undergraduates only by special permission. Prerequisites, Entomology 13 ,14, and 102. Hours to be arranged.

Staff

Eugenics and Family Relations. During the Summer Session Dr. Paul Popenoe will be in attendance one week from June 20 to 24. He will give one lecture each day at 11:00 and one round table discussion each day at 2:00 on Important Eugenic Considerations and Family Relations. All Zoology students are urged to be present at these lectures and round table discussions.

INTERSESSION CLASSES—JULY 25 to AUGUST 19

EDUCATION

214. **Teaching Procedures.** The work of the class will be concerned with selected topics from current research, educational yearbooks, and other reports dealing with critical problems of teaching in elementary and secondary schools. Two and one-half credits. Daily, 8:00 to 9:30. Room M279.

Carlisle

217. **Problems in Secondary Education.** The work of the class will be devoted to a review of selected research reports and national committee publications dealing with the more pressing problems of

secondary education. Two and one-half credits. Daily, 10:00 to 11:00. Room M279. Carl

233S. Farm Mechanics Course of Study. An analysis of farm mechanical objectives, teaching units, farm skills, farm shop equipment and layout, time distribution by units and organization of farm mechanical course of study in terms of Utah agriculture. Five credits. Daily, 8:00 to 10:00. Room M280. Humphre

ENGLISH

141. Introduction to Greek Literature. This course provides an opportunity to become acquainted with both Greek epics and the Greek dramas. The reading is done in translation. Five credits. Time arranged. Class meets three hours daily for four weeks. Room N310. Vick

GEOLOGY

114. Field Methods. Field work on mapping of the Logan Quadrangle can be given to a limited number of advanced students in geology. Registration subject to approval by the instructor. Five credits. William

HISTORY

134 or 234. United States History. History of the West. This course will deal with the frontiers, the Old West, the rise of the New West and special emphasis will be given to the Trans-Mississippi West. Five credits. Daily, 8:00 to 10:00, 11:00 to 12:00. Room N312. Ric

PHYSICS

20, 21, or 22. Mechanics and Molecular Physics: Electricity and Magnetism; or Heat, Light, and Sound. Provided there is sufficient demand, the one of the above three courses desired by the most students will be given. The above three courses make up the course required of science majors and engineers. There will be 36 lectures and laboratory exercises. Five credits. Daily, 8:00. Room W101. Leon B. Linfo